



DELHI PHARMACEUTICAL SCIENCES AND RESEARCH UNIVERSITY

PHARMANNUAL 2019-20



The First Pharmacy University Dedicated to the Pharmaceutical Sciences in India
Incorporating it's Constituent Institute
Delhi Institute of Pharmaceutical Sciences and Research

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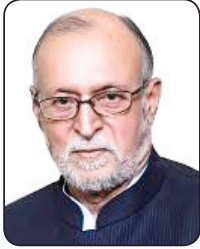


Mr. R. K. Bhalla

उपराज्यपाल
दिल्ली
LIEUTENANT GOVERNOR
DELHI



राज निवास
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MESSAGE

I am pleased to learn that Delhi Pharmaceutical Sciences and Research University (DPSRU), is bringing out its Annual Report "*Pharmaannual 2019-20*". Right now, we are all passing through the worst period of pandemic of COVID-19 that has cost lakhs of lives and infected millions across the world.

Pharmaceutical sector constitutes one of the most important pillars of the healthcare system, especially in this phase of global medical emergency. DPSRU, the first Pharmacy University of India has special responsibility in contributing to the fight against this pandemic

I am delighted to know that DPSRU is not only dedicated towards imparting quality education in the field of Pharmacy and related disciplines but is also working tirelessly to undertake projects with renowned experts to evolve treatments for various diseases, thereby building a healthier India.

Best Wishes.

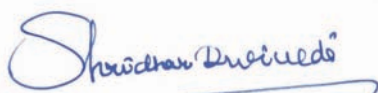
(Anil Baijal)



Chairman Board of Governors, DPSRU

It gives me immense pleasure and mixed feeling of pride and humility to write few words about Pharmannual 2019-2020, Delhi Pharmaceutical Sciences Research University (DPSRU). To put it succinctly DPSRU is a university of its own kind not only in India but in entire South East Asia and SAARC region. The University has made remarkable progress since its inception in 2015 in all areas mainly academic, research and contribution to the society. It has a unique of DPSRU Innovation and Incubation Foundation (DIIF), Skill Development Centre and DBT- BIRAC Incubator Centre. These three valuable centers reflect its determination to be a class apart from usual mundane activities of university life. Its attempt to forge links with other International Universities is again a notable attempt. Hosting of an International Conference of Cardiovascular Sciences -2020 at its own campus which provided impetus for research to its young participants. The credit for such a remarkable progress shown by university goes to its academic leadership and young dynamic faculty. University has also shown its desire to contribute positively in mitigating present pandemic of corona virus disease -19 (COVID-19). DIIF unit of the University has made available a hand sanitizer at an affordable cost, a timely and commendable step. I am sure many such more innovative steps are in pipe line which will make this University unique center for learning and research in pharmaceutical and allied health sciences. Let us all hope and pray that DPSRU attains its vision and dream in coming years.

I wish great success for Pharmannual 2019-2020.



Prof. Shridhar Dwivedi

MD, PhD, FAMS, FRCP(London) FIACS (Canada)

Senior Consultant Cardiologist, NHI

Former Dean Hamdard Institute of Medical Sciences & Research

MANISH SISODIA
मनीष सिसोदिया



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D.O. No. : DYCM/2020/26
Date : 28th April, 2020.

MESSAGE

It is a matter of delight that Delhi Pharmaceutical Sciences and Research University is releasing its 'Pharmaannual' for the year 2019-20, and I am again having the chance to congratulate them.

Despite being a relatively new establishment, DPSRU has come a long way on the path of quality education and is continuing to achieve new heights every year. I see that DPSRU has a vision to impart quality professional and technical education to the students. In addition to pharmacy courses starting from bachelors to doctorate, courses like physiotherapy and sports pharmacy are the examples of this vision of DPSRU. Moreover, DPSRU is successfully managing World Class Skill Center (WCSC) and DPSRU Innovation Incubation Foundation (DIIF) which focus on empowering the students and researchers and helping them to become independent. This multifaceted growth of the university is commendable.

Since last many years, we have been very actively working in the field of education and I am so pleased to see that DPSRU itself is maintaining and taking the quality of education to next levels.

In this connection, I congratulate the entire family of DPSRU and wish for their continuous growth.


(MANISH SISODIA)

MANISHA SAXENA, IAS

Secretary



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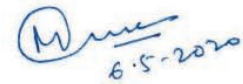
MESSAGE

I feel happy to note that **Delhi Pharmaceutical Sciences and Research University** is publishing their annual magazine Pharmaannual 2019-20.

I am glad to observe that DPSRU provides quality education, research and training at all levels and is catering to the needs of the students from all across the country. I am indeed pleased with the fact that not only pharmacy and physiotherapy, DPSRU runs more professional courses too such as Sports Fitness and Yoga Application. This diverse yet focused approach towards higher education is definitely appreciable.

It is the first Pharmacy University of our country and with its quality education system, is completely justifying with its name and status. In addition to their usual tasks of teaching and research, they have been working towards an overall evolution of the students. The contribution of DPSRU in the field of technical education has been quite noteworthy.

I am sure that with this promptness, DPSRU will leave no stone unturned and set examples for other educational institutions as well. I extend my warmest wishes for their further growth and achievement of their goals.


6.5.2020

(Manisha Saxena)

S. S. GILL, I.A.S.
Director



Department of Training & Technical Education
Government of NCT of Delhi

D.O. No. : PS/Dir/TTE/2020

Date : 16th June 2020

MESSAGE

It gives me immense pleasure to know that the **Delhi Pharmaceuticals Sciences and Research University (DPSRU)**, New Delhi is publishing its annual report titled as Pharmannual for the year 2019-20.

The DPSRU has emerged as one of those leading centers of learning in India that have kept pace in teaching and learning with development in Pharmaceutical Profession.

I commend the effort put in by the University during this testing time of COVID-19 pandemic especially for the Healthcare system, Pharmaceuticals Industries, Research and Development and Pharma Education of the country through its pool of talented students and staff it is the first university in India which is dedicated exclusively in the Pharmaceutical and Allied Science.

I would also like to appreciate the collaborative effort and hard work of the faculty and students of DPSRU in bringing out the Annual Report.

(Sarpreet Singh Gill)



Delhi Pharmaceutical Sciences and Research University

(Govt. of NCT of Delhi)

Professor (Dr.) S. K. Gupta
PhD, Dsc (HC) FIPS, FISHER, FRMSA

Distinguished Professor
Head of Department
Clinical Research

Formerly
Professor & Head
Department of Pharmacology, AIIMS
Director General
Institute of Clinical Research, India



10 April, 2020

MESSAGE

It gives me immense pleasure to know that Delhi Pharmaceutical Science and Research University (DPSRU), the only Pharmacy University is publishing Pharm-Annual 19-20 which will give glimpses of the various activities organized during the year.

One of the unique features of the university is that apart from pharmaceutical sciences it is running various schools of Allied Health Sciences, Physiotherapy, Sports Sciences Research and Management, DPSRU Innovation & Incubation Foundation, Yoga and Fitness and Skill development Centre all these specialties make DPSRU a unique center of excellence.

The university has tie up with various national and international Institutions to promote world class research and innovation. Faculty members and students have published their research work in prestigious National and international Journals and have also been awarded many prizes from National and International agencies.

I would like to congratulate the Dynamic Vice-chancellor and his Distinguished faculty who have made efforts to make DPSRU a center of excellence.

(Dr. S. K. Gupta)

Professor & Head Department of Clinical Research

President of International Society for Pharmacoeconomics and Outcomes Research (India)



DELHI PHARMACEUTICAL SCIENCES AND RESEARCH UNIVERSITY

(Established Under Act 07 of 2008, Govt. of NCT of Delhi)

Pushp Vihar, Sector-III, M.B. Road, New Delhi - 110 017



PROF. S. S. AGRAWAL

Ph.D. (AIIMS), D.Sc. (R.G.P.V.), FIC, FIPS, FISHR

**National Research Professor
of Pharmacology**

Founder Vice Chancellor

Delhi Pharmaceutical Sciences &
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Former DG, PVC & Gp. Dy. PVC
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Founder Director

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Former Dean

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Elected President

Indian Pharmacological Society –
2005

Former National Coordinator

QIP, Pharmacy, (AICTE)
GOVT. OF INDIA

Message



From the desk of Founder Vice Chancellor and National Research Professor, DPSRU

I am glad that my dream of opening of a Pharmaceutical Sciences & Research University .After joining as First Vice Chancellor (DPSRU) in August, 2015. I opened 13 specialised centres to serve the nation, there is indeed a great scope in future for opening more courses in Allied Sciences. I found that my success for the university has been marked with the approval of PCI (increase in seats 60 to 100 in DIPSAR) AND UGC recognition of the university. However, progressive success has been marked with Pharmacy, Physiotherapy and Hospital Management and Hospital Administration and MBA DURING 2015 – 16

Today's world has ushered in a new era of education, where knowledge cannot be confined to classrooms and texts, but has to be modernised to help in the nation building so as to meet the challenges of the 21st century. This university, Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi was established by act of the Delhi Assembly in 2008. But it has come into operations in 2015, after I had the privilege to join as its first Vice Chancellor in August 2015. The vision of DPSRU is to prepare quality pharmacists, pharmaceutical scientists, physiotherapists, hospital managers and public health professionals, etc for the country. Now it is the endeavour of this university to ensure that education in the field of pharmacy and allied health sciences is imparted to all irrespective of class, caste, creed, colour or culture. The university has been equipped with sophisticated equipments, laboratories, state of the art museum, playground, swimming pool, hostels for boys and girls, SBI-ATM, food court, herbal garden, quarters for faculty and staff, guest house with all facilities, physiotherapy OPD, Yoga centre, etc. Modernization and change in curriculum is the need of the hour, to keep pace with the requirement of the industry. In this direction we have made changes in the Bachelor of Pharmacy syllabus for VIIIth semester, by giving a choice of elective of four subjects viz. Drug Regulatory Affairs, Clinical Pharmacy, Pharmacovigilance and Pharmoeconomics, with two compulsory subjects Research Methodology and Scientific Paper Writing. The student will also undergo training, seminar presentation and project writing during this semester. This is the first such change in

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PROF. S. S. AGRAWAL

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Former Dean

Faculty of Science & Head,
Department of Pharmacy,
University of Delhi, Delhi

Elected President

Indian Pharmacological Society –
2005

**Former National
Coordinator**

QIP, Pharmacy, (AICTE)
GOVT. OF INDIA

the country. Post graduate courses in seven disciplines of Pharmacy (Pharmacology, Pharmaceutics, Pharmaceutical Chemistry, Pharmacognosy & Phytochemistry, Drug Regulatory Affairs, Quality Assurance and Clinical Pharmacy). Also Master in Public Health, Master in Hospital Management and MBA (Pharmaceutical Management) have been started from this academic session. It would not be out of place to mention here that we have introduced entrance tests for PhD programmes of this university followed by a six month pre-PhD course work, in guidelines of UGC, New Delhi. It is pertinent to mention here that the teaching faculty, staff and students have brought many laurels to the university through their commitment and involvement and made DPSRU an inseparable part of National Pharmaceutical Research system. Skill development programmes and preparing students for establishing themselves as entrepreneurs is also the effort of the faculty. Training and Placement of students is an essential part and parcel of this university. In the next session we intend to add few more post graduate courses like Master in Physiotherapy (Orthopaedics), Masters in Physiotherapy (Electrotherapy), Master in Pharmacoeconomics, Master in Medical Device, to cater to the needs of the country. Indeed, I strongly believe that it is our collective responsibility to take DPSRU to greater heights. The onus of turning these challenges into opportunities lies in responding faith and commitment in ourselves in accomplishing this task. This annual report is a platform used for recording progress of DPSRU, events, fond memories so as to disseminate to all. We assure that all of us together will continue to serve as pioneer University of India for Pharmacy, with constant support from one and all. My warm wishes to all students, faculty and staff members for the success of university and goal set in their life.

Prof.(Dr) S.S. Agrawal

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CONTENTS

1. From the Vice Chancellor 's Desk	11
2. Editorial	14
3. Vision 2030.....	16
4. University: At a Glance	20
5. Faculty and Staff.....	31
6. Newly Joined Faculty	35
7. Research Interest of Faculty.....	39
8. Publications and Patents.....	47
9. Awards and Achievements.....	63
10. Library and Media Converge.....	69
11. Internal Quality Assurance Cell (IQAC)	76
12. Conference, Seminar and Workshops	93
13. PG & Ph.D. Program	111
14. International Networking.....	117
15. DPSRU Innovation and Incubation Foundation (DIIF)	120
16. Yoga & Fitness Centre.....	121
17. AICTE-QIP Nodal Center Activities	123
18. Placement Cell	124
19. School of Physiotherapy.....	130
20. School of Allied Health Sciences	131
21. World Class Skill Centre (WCSC)	135
22. Academy of Sports Sciences Research and Management.....	139
23. Academic Pride, GPAT and Topper Students	142
24. Extracurricular Activities & Cultural Programs.....	145
25. DPSRU Alumni Forum.....	154

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FROM THE VICE CHANCELLOR'S DESK



Prof. Ramesh K. Goyal, Ph.D.
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The year 2020 will be remembered for not only decades to come but centuries to follow. This mainly because of the health calamity: the pandemics of COVID-19 affecting taking millions of people and taking millions of lives, coupled with several other precedential environmental events like 5 eclipses, earthquakes, electric thunders killing hundreds of people, excessive rains and the list goes on. I am happy to see that our staff members could stand against these and showed sensitivity and commitment to fight against the calamities especially against COVID-19. Attempts to discover novel compounds from herbal drugs and coming up with formulations for the treatment of corona, upscaling the availability of safe & effective disinfectants and hand sanitizers, masks are some of the research based programs. In addition, our University made

series of videos, posters and participated in webinars and public health programs. Application of Yoga, physiotherapy and advise on medical treatment to fight the corona were some of initiatives taken by our faculty members.

Delhi Pharmaceutical Sciences and Research University, **the First Pharmacy University of India and third in the World** after the China Pharmaceutical University of Nanjing, China and the Shenyang Pharmaceutical University, Shenyang, China, is now entering into 5th year. It had two convocations held successfully is getting transformed from latent phase to active phase and internationalization. We visited World's first Pharmacy University China Pharmaceutical University, Nanjing, China signed the MoU for collaboration. Stavropol State Medical University conferred "Honorary Professorship" which is

second only the honour being given in 80 years to a non-Russian Professor. Our University had representatives from Malaysia, Walailak University, Thailand, Syria and Sri Lanka. In addition, we had Guest lectures by Prof. Naranjan S. Dhalla, Winnipeg, Canada, Prof. Asher Kimchi, USA, Prof. Pawan Singal, Canada and many others. An MoU was also signed for students and faculty exchange with Al-Hawash Private University, Syria. We have collaborations with Hunan University, Changsha, in China for research projects.

The Chancellor of the University is Hon'ble Lt. Governor Shri Anil Bajjal who, called for making DPSRU as the Centre of Excellence for Herbal Research, exploring various Bio-diversities and collaboration with top institutions in India and the world. As a follow up we had a visit of Aravalli Hills Biodiversity Delhi and Andaman and Nicobar Islands wherein interacted with various research institutions as well as the Chief Secretary and the Secretary and Director of the Tribal welfare. We have established the 'World Class Skill Centre' for health and wellness, an ambitious project of the Government. In the era of COVID this has become a major contributing factor for the initiation of new drug discovery from herbals.

To expand horizons and promote research activities, the University entered into MoU with National Government institutions like Translational Health Science and Technology Institute (THSTI) and National Institute of Pharmaceutical Education and Research (NIPER) Raebareli, and other institutions and hospitals like, Apollo Hospital, New Delhi, Lloyd Group of Institution. The University has expanded the horizons with the intake capacity of the Diploma, UG and PG/ Ph.D. courses increased from 180 and 35 in 2014-15 to 400 and 160 in 2018-19 respectively. The number of courses being offered in Diploma, UG and PG / Ph.D. also increased from 2 and 6 in 2014-15 to 5 and 18 excluding Ph.D. courses. In 2020-21, we are starting many other new courses

like PG Diploma in Clinical research with Apollo Hospital Research & Education (AHRE), M.P.T. in Sports Physiotherapy, M. Sc. (Sports Sciences), Executive M. Pharm. In Drug Regulatory Affairs and more Skill development courses in Sports Sciences and Beauty & Wellness. The courses will further increase with the availability of space and infrastructure.

This year we have prepared a strategic document 'Vision 2030' wherein we have given the projections of next 10 years. This is the reflection of the mentoring and blessings of giant personalities of pharmaceutical and allied health sciences of India.

DPSRU continues to be have focus for research and innovation. Our faculty members published over 200 papers, files patents and get awards consistently every year. In addition to academic activities, several works shops, seminars and guest lectures. Our University continues to have strong tie ups with industry. Innovative products are being developed with companies. One of the major breakthrough is the sanction by the BIRAC, DBT a grant of 4.72 Cr for establishment of BIONEST Centre for state-of-the-art facility for pharmaceutical formulations and more start-ups in the field of health sciences. A research based first in India nutraceutical formulation for the critical care patients in collaboration with Alniche. At Innovation and Incubation (DIIF), 5 of our 16 start-ups have the success stories. Loopus Weartech, one of the start-up won the prestigious Harvard Global Award in Elderly Health care category by Harvard University of USA. The Praecisio of our Professor Geeta has validated cost effective cold chain Shipping Solution and being approached by many Pharma companies, Similar is the Holycon with Positive Liquid, Brajkush Devise produced HOCl having DRDO as customer, Evol Medicine with Eco Smart Air Mask, all ready for marketing. Our institute has now the Bio Nest Bio Incubator supported with 4.72 Crores by of the DBT BIRAC for more product developments.

is the Only University selected by Lufthansa, Germany for Second consecutive year for the Impact-Week Design thinking program.

Our University has been thriving at the quality education and welfare of the students. This year 60 plus students qualified in the national competitive examination GATE which, I suppose probably again the highest number in the country along pharmacy institutions. We have now 113 Ph.D. students and more important one third come with Govt. scholarships from agencies like ICMR, DST, CSIR etc. and equal number getting collaboration and aid with research centres like DRDO, THISTI, IPC and pharma industries. On social front our BPT Centre is now getting over 700 patients per month and it has been consistently increasing.

Our faculty continues to excel in research and publications. This year our faculty members contributed to the list 8 books, 21 book chapters, 181 original papers, 10 research projects, 8 patents. Our faculty got 4 5 Awards and had 51 Distinguished achievements. This year 21 new recruitments for Faculty have been done and 10 more are likely to be there shortly. With number of faculty increase three times, I am sure, these numbers will make our University fly high.

From the student's side, we arranged curriculum enrichment programs for every class. For D. Pharm. Students we had one-day session by Dr Mahesh Burned, for B. Pharm. we had industrial visits arranged and for M. Pharm. Special workshop at National Institute of Biologicals was organized. Orientation program for fresh students was organized for UG, PG and Ph. D. separately and also separate programs for B. P. T. and B. Sc. students and Ph.D. students was organized. As routine activity, the University continued national, professional and cultural days like Independence Day, Republic Day, National Voters Day, Constitution Day, World Heart Day, Pharmacy Day, National Pharmacy Week and many others. In addition,

University also carried out activities mandated by health & educational bodies like Ministry of Health, UGC and AICTE. Swasthya Abhiya, Swachchhtha Abhityan with Dus ka Dam to eradicate dengue, Mera Bharat and Unnat Bharat Abhyan are some of these programs.

Our University has been associated with the International Academy of Cardiovascular Sciences (IACS) and had invited the Nobel Laureate in Prof. Faried Murrad in 2014. This year we organized the International Conference Cardiovascular Sciences in collaboration of IACS, ISHR, AIIMS. New Delhi and renowned hospitals like Apollo, NIH and many others. There was a Mega Health check- up camp. Many workshops with International and national speakers were organized especially on burning and new topics like 'Phyto-pharmaceutical. Drug Regulation'. 18 Guest lectures were organized for the benefit of students as a part of subject enrichment.

With the COVID entry, activities might have gone down at the end of the session. However, through online mode, a number of webinars have been organized and the trend will continue.

I take this opportunity to express my thanks to our students and staff members to have given full cooperation and support to let the standards of the university go up. I am grateful to the mentors Lt. Governor Shri Anil Bajjal ji, Dy CM Shri Manish Sisodia ji, Secretary (Education) Sh. S. P. Singh and Smt. Manisha Saxena, Director, Sh. S. S. Gill, Pr. Secretary (Finance), Members General Council, Board of Governors, Finance Committee, Academic Council and Board of Studies for their constant guidance. Last but not the least the support of associated Pharmaceutical Companies National and International institutions to collaborate is acknowledged from the deep of my heart.

Jai Hind!! Jai Bharat!!

EDITORIAL

(Prof. Harvinder Popli & Prof. D. P. Pathak)



The world is passing through a difficult phase as COVID-19 pandemic continues to take a significant toll on human lives and livelihood. Despite the lockdown in several countries, the pandemic is continuing to spread, putting immense pressure on the healthcare systems globally. Universities and higher education facing challenges related to examination and the academic calendar to avoid academic loss. We are taking appropriate measures for conducting online classes through video conferencing, preparing e content and e lab experiments for the future of students. Faculty is being trained regularly for Teaching-Learning through various modes as on line learning, Mobile Apps, Social media, YouTube and E-mails. Besides that, university is working on Internal Assessments, Final examinations, Trainings and Placement.

In these times, healthcare workers have emerged as corona-warriors braving the tough situations and saving precious lives through timely interventions.

Pharmacists have been playing an important role in these times, supporting doctors and other paramedic colleagues for adequate patient care. Additionally, the role of pharmaceutical industry in maintaining health of the society has become much more crucial in terms of searching a cure for the disease as well as preventive vaccine.

Over the last few decades, India has emerged as the pharma hub of the world, being the largest suppliers of generic medicines all over the world with a 20% share in global supply by volume and 50% of global demand for vaccines. Over 80% of antiretroviral drugs used to combat AIDS are supplied by Indian pharmaceutical firms, which is a significant contribution to mankind as otherwise the less developed countries would not be able to afford therapy for this global crisis. COVID-19 pandemic has again highlighted contribution of Indian pharma industry as India opened export of hydroxychloroquine to over 55 countries that can help save thousands of lives. This is a moment

of pride for pharmaceutical education sector in India that we could develop the country's capability to a level where we serve humanity in such a significant manner, and at the same time also a moment of reflection where we take renewed pledge to continue our efforts to enable the country to also become a hub for innovative pharmaceutical research and find novel treatment options for human diseases.

At DPSRU, it is our constant endeavor to promote a culture of innovation and accountability. University follow well-designed curriculum defined by PCI, DCPOT for various graduate programmes in various disciplines of Pharmacy and Allied Sciences including Physiotherapy, Hospital Management, Public Health and Sports Science. We continuously hold workshops, seminars, lectures and programs to enhance practical skills of our students in contemporary topics. During the year we conducted several such programs in areas such as Management Forum in healthcare, Entrepreneurship workshops, Physiotherapy Workshops, Sports trainings, interface with Regulatory and Quality professionals from the industry for latest updates and hands-on training sessions for advanced technology instruments. Innovation is becoming the bedrock of our culture with our incubatees at DPSRU Innovation and Incubation Foundation (DIIF) making us proud through their novel ideas and projects. One such project won the prestigious nomination at Harvard.

The seeds of innovation that we are nurturing through DIIF have started fructifying into tangible products useful for the society. It is a matter of great pride for the university that a product developed through collaboration between DPSRU and pharma industry was launched for commercial use by the honorable LG Shri Anil Bajjal in the presence of luminaries from academia, government bodies, industry and leading nephrologists of the country. Through

this product, we are privileged to serve the Indian patients undergoing dialysis and critical illnesses for their nutritional needs. One of our startups, Brajkush helped to fight COVID-19 through new age of disinfectant and hand sanitisers which are nontoxic, water based formula that suits skin to disinfect viruses and fungi to be used in homes, offices and during travel. We are continuing our journey to make the innovation culture in the university application-oriented and hope to launch many more such products to serve medical fraternity and patients in the country.

As we promote innovation for treatment options for various diseases, we are maintaining our strong focus on preventive health disciplines for healthy living. Yoga, nutrition and preventive health-camps are a focus that we continue to invest in periodically and contribute to a Fit India by promoting healthy lifestyles.

Another great honor for the university this year was to host the International Conference of Cardiovascular Sciences-2020 (ICCS-2020). It was a huge opportunity for our students and faculty to get exposure to view of speakers and thought leaders from across the globe and provided platform for deliberation on medical advances for fighting the rising burden of cardiovascular diseases in India and globally. Our students actively participated throughout the year to serve communities through Health Camps, Awareness camps and Physiotherapy Camps.

Through these accomplishments, we are laying a strong foundation for our future and march confidently towards our ambition of building a fundamentally strong, world-class institution featuring in top universities of the world and achieving our vision of becoming the ultimate destination for education, training and research in pharmaceutical sciences and allied areas and thereby, cater to the health needs of the people at large.

VISION 2030



(Prof. Ramesh K. Goyal, Vice Chancellor, DPSRU)

In last one century, while passing through paradigm shifts in terms of practice and strategies, the profession of pharmacy has opened several vistas in the healthcare system. Starting with use of herbals and then to chemicals in the treatment of diseases the domain of pharmacy got expanded from mere therapeutics to cosmetics and nutraceuticals. The advent of molecular modeling in chemistry and understanding of cellular and molecular mechanisms of action of drugs, there was emergence of genomics, proteomics and metabolomics in the new drug discovery strategies. The concept of pharmacovigilance that started with simply with adverse drug reaction reporting became a source of “data bank” in medical science for identification of novel biomarker drug targets and genomic based understanding of diseases/processes. The practice of clinical pharmacy that started in 1960’s in USA became vibrant and wide spreading many countries giving rise to yet another branch pharmaco-economics and outcome research. The forensic pharmacy wherein there were simple rules of manufacturing and dispensing of medicine, is now a “regulatory science” by itself. Medical devices, plasma therapy, DNA vaccine development, molecular and genomic diagnostics, tele-pharmacy ambulatory pharmaceuticals care are some of the newer emerging area that has come under the umbrella of

pharmacy. Under these circumstances, education in pharmacy cannot remaining a simple institution. Profession of pharmacy is multidisciplinary and to keep pace with the developments and to provide effective means of health care to the society, having the University of Pharmacy is highly justifiable and needs to be developed as multi-faculty, multidisciplinary University.

Delhi Pharmaceutical Sciences and Research University is the First Pharmacy University of India and third in the World after the China Pharmaceutical University of Nanjing, China and the Shenyang Pharmaceutical University, Shenyang, China. We have prepared the Vision 2030 to develop a road map for actionable plans, in line with the vision and mission of the university; and focusing on various pillars such as education, research, innovation, entrepreneurship in the emerging areas in the health care with specific role of pharmaceutical and allied sciences. This policy document is expected to provide direction to different stakeholders of the university including staff, alumni, policy makers, Government and industry. It is likely to help making strategies for infrastructure, finance and academic planning. Every strategy will provide a promise and commitment that will inspire, influence, ignite and intrigue stakeholders to get expected and specified outcomes.





Following are the projections given in the VISION 2030

Year	2015	2020	2025	2030
Total no. of Students	600	1700	2500	4000
No. of Schools/Units	2	7	10	12
No. of Depts.	10	31	40	50
No. of UG courses	2	4	10	15
No. of PG courses	8	18	25	40
No. of certificate course	Nil	3+2	10	20
Ph.D.	8	15	20	25
Centre of Excellence	3	6	10	15
Budget Outlay	10 Cr. (Infra)	40 Cr. (Infra)	100 Cr.	200 Cr.
	1 Cr. (GIA)	25 Cr. (GIA)	50 Cr.	75 Cr.
Land	10.36 Acre.	40 Acre.	40 Acre.	60 Acre.
Building infrastructure	26,843 sqm	50,000 sqm	50,000 sqm	1,00,000 sqm
Academic Buildings	2	4	4	6
Administrative Buildings	Nil	2	2	3
Ground/Stadium/Spotrs Complex	1	2	3	4
Hospital	OPD	1	2	2
Hostels	Girls (1) 120	Girls (1) 150	Girls (1) 150	Girls (2) 200
	Boys (2) 130	Boys (2) 200	Boys (2) 200	Boys (3) 300
International Students	Internat'al Students (Nil)	Internat'al Students (1)	Internat'al Students (2)	Internat'al Students (2)

Some of the specific projections of Vision 2030 are as follows:

Additional Schools and Centers of Excellence to be added

<ul style="list-style-type: none"> • School of Biomedical Engineering • School of Pharmaceutical Management • School of Hospital and Clinical Pharmacy & Pharmacovigilance • School of Integrative Medicine • School of Artificial Intelligence and Information Technology. • School of Drug Regulatory laws and Regulatory Sciences. 	<ul style="list-style-type: none"> • Center of Precision Medicine & Pharmacy • Center of Training and Trainee Unit • Center of excellence for Drug Design • Centre for Medico Vigilance and Material Vigilance • Center for Precision Medicine
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Programs to be introduced

<p>UG Level</p> <p>D. Pharm. (CAM) B. Pharm. (Ayurveda Medicine) B. Pharm (Homeopath Medicine)</p> <p>Integrated Programs</p> <p>B. Pharm + LLB Pharm. D. Pharm.D. (Post Bacc.)</p>	<p>PG & Ph.D. Level</p> <p>M. P. T. (Sports Physiotherapy) M. P. T. (Neurophysiotherapy) M. P. T. (Cardiopulmonary Physiotherapy) M. P. T. (Musculo-Skeletal Physiotherapy) M. Sc. (Sport Sciences in various specializations) M. Sc. (Sport Pharmacy) M.Sc. (Bioinformatics) M.Sc. (Diagnostics) M. Sc. (Stem Cell Therapy) M.B.A. (International Pharmacy Trade & Economics) M.B.A. (Traditional Medicine Formulations) M.Sc. (Artificial Intelligence)</p>
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Proposed Skill Development Courses

1. Course for Documentation and Office Management
2. Warehouse Operations (Picking, packaging, storage, delivery of goods)
3. Good Manufacturing Practices & Hygiene
4. Production Operators
5. Course for Medical Lab Attendant (training to collect sample. handle patient specimens, enter data, perform clerical services and carry out basic lab procedures).
6. Physical Therapy Attendant
7. Hospital Care Attendants
8. Home based Health Care Attendants
9. Emergency cum Ambulance Attendant

10. Medical Sales
11. Certificate Course in Medicine Management

Online Courses

1. To announce massive Online open courses (MOOCS) and develop at least 20 new courses by 2030.
2. To introduce fee waiver scheme from for needy students from the University.
3. To provide large number of Electives both at UG as well as PG

Outreach

To increase the number of classroom/laboratory for outreach and extension activities from 3 to 10 by 2030 to impart education to the children of nearby villages.

Teaching/Non-Teaching Staff

DPSRU will continue to strive for the quality of the faculty and staff. It will attract highly qualified and talented professionals and provide a healthy and encouraging environment that allows the faculty and staff to learn and grow; we will like to have Distinguished Professors from developed countries. The university policies and frameworks are designed and developed a policy to provide such opportunities to faculty and staff for professional and personal development. We continue to recruit and retain the very best minds to ensure that the university. We will ensure that our processes and reward systems are strong, competitive and transparent. The University will continue to encourage faculty and staff to attract consultancy, a well-designed policy and framework has been developed. We encourage faculty to participate in personal and professional development programs, conferences, workshops, and seminars, regardless of the status of their employment. We support and will continue to support faculty and staff in their early career with grants and incentives and organize specialized capability enhancing programs.

Research & Development/ Consultancy

To address and meet the challenges encountered by societies and industries, advanced frontiers in knowledge are one of the pillars on which the quality of education rests and impacts the reputation of university. In research, the emphasis areas will comprise of, lifesaving drugs for the specific urban and rural significant health diseases, mental health, development of API, Disease targeted Nutraceuticals, Green Nanotechnology and many more of such. DPSRU has had strong research base in pharmaceutical sciences. The University will continue to make DPSRU as a favorite destination for research in pharmaceutical and allied health sciences and Management. Setting up intra disciplinary cluster areas for the same will thrust the pharma environment.

DPSRU aims to create following centers of excellence to promote research.

- To have a research laboratory and research project(s) for every faculty by 2030.
- To award 50 Ph.D. degrees per year and to have 50% of Ph.D. projects linked to industry by 2030.

- To produce 50 Intellectual Properties and/or 50-100 Consultancy every year.
- To achieve "h Index" of DPSRU "100" by 2030.
- To produce at least 50-60 commercially products by 2030.
- To invest 20% of revenue on research (including human resource, equipment, library, ICT and physical infrastructure) every year by 2030.
- To establish 10 research laboratories by 2030 with support from industries.
- To have average 2 research projects with each faculty from outside funding agencies.
- To have 50 active Memoranda of Understanding (MoUs) with International and National Institutions and organizations.
- Quality Ph.D. to be produced.

Infrastructure development

In order to have proper functioning of the University and to develop it as the institute of Excellence in Pharmaceutical Sciences in the Capital City of Delhi, an appropriate land is required for the University. It has been decided that we can come up with the plan of expansion in two stages which may go simultaneously and accordingly a plan was formulated for the redevelopment of the existing campus of the University.

Utilization of the existing land and the building of DIPSAR & DPSRU Campus in Pushp Vihar Sector-III, and develop the following.

- Construction of a new block (G+3 storied) as an extension of New DPSRU block on the top of the parking entry adjacent to old animal house building
- WCSC Block above Swimming Pool (Block-E):
- New residential block for (Block-F) Vice Chancellor, Registrar, Medical Officer and Group 'A' Officers:
- Construction of two additional blocks near the old DIPSAR building:
- Construction of a new block (G+3 storied) (Block-C) dedicated as Examination block and OPD Physiotherapy.
- The Delhi Pharmaceutical Sciences and Research University is intending to take up the work through Public Works Department (PWD).

UNIVERSITY: AT A GLANCE



(Dr. Ajit Kumar Thakur)

To be the ultimate destination for education, training and research in pharmaceutical sciences and allied areas and thereby, cater to the health needs of the people at large.

VISION

To develop core competency in pharmaceutical sector and contribute in building leaders, administrators and personnel who can take up responsibilities as pharmaceutical science professionals, appropriate for community, institutions and industries on health and management related fields.

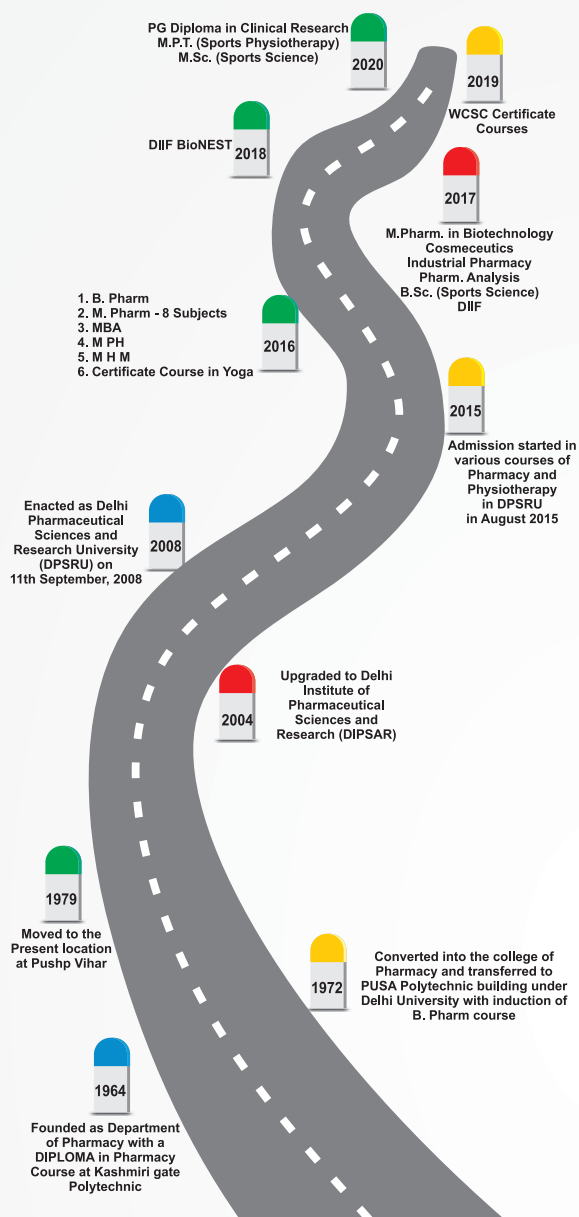
MISSION

- To have a comprehensive, multidisciplinary institute for learning and research with holistic approach in pharmaceutical sciences
- To provide infrastructure and research facilities for the dissemination of the advanced knowledge to the students in various branches pharmaceutical sciences through innovative teaching-learning processes with interdisciplinary approach such that they propagate their wisdom to acquire all kinds of knowledge and generate new ideas
- To educate and train manpower for the development of the country and establish linkages with industries for the promotion of science and technology through several health related courses in MLT, GNM, and X-Ray Technology
- To cultivate the spirit of embracing internationalism/ diversity and competitiveness/ competition amongst students such that novel and creative ideas harnessed, leading to unique discoveries and inventions, for the advantage of society at large

OBJECTIVES

- **Curriculum Designing:** Unique Courses with Global Thinking & Local Need
- **Teaching Learning Process:** Pedagogy with Participative Learning
- **Research & Innovation:** Research Excellence with Innovation & Incubation
- **Infrastructure:** Ambience for Rigorous Learning
- **Student Progression:** Uncaging the Dreams by Job Creation
- **Governance:** Leadership without Power & Power without Hierarchy
- **Best Practice:** Adoption of Yoga and Sports for Healthy Life

QUALITY POLICY



Delhi Pharmaceutical Sciences and Research University (DPSRU), is the first Pharmacy University of India, established by an Act 7 of 2008 of State Legislature of Delhi as a State University by the Notification No. F14(16)LA-2008/Law/134-143 dated 24th October 2008. The effective date of the establishment of the University was declared on 1st February by the Notification No. F. 2(412)/2008/SB/Vol.II/71 dated 21.01.2010. The University was empowered to award degrees as specified by the UGC under section 22 of the UGC Act 1956 through its own departments and constituent colleges in regular mode vide notification No. F-9-19/2015/(CPP-I/PU) dated 22nd September 2015. Delhi Government made the University functional by notification on 24th July, 2015. The University

is recognized by UGC under section 2f. NBA had accredited earlier M. Pharm. (Pharmacology) at DIPSAR, the constituent institute of the University. Various courses of the University are approved by statutory bodies like Pharmacy Council of India (PCI); All India Council for Technical Education (AICTE) and Delhi Council for Physiotherapy and Occupational Therapy (DCPOT). The University is also running Skill Development Courses in Health & Wellness of World Class Skill Centre of the Department of Training & Technical Education, Delhi.

Profession of Pharmacy and Pharmaceutical Sciences has been one of the most dynamic fields in the healthcare system that has undergone several paradigms shifts in last century. Beginning with simple plant-based dispensing of drugs, it changed to chemistry based modern medicines with industrial revolution in the world. The profession of pharmacy in 20th century shifted from 'product oriented pharmaceutical sciences to patient-centered system by which pharmacists started to assume new responsibility as clinical pharmacist. The traditional pharmacy education also changed from production-oriented knowledge development to clinical and hospital-based training institutions or colleges of pharmacy. With advances in genomic technologies, and personalized medicine, the profession of pharmacy cannot remain in a single capsule of mere pharmacy institution but requires expansion to the level of University wherein, various disciplines can come together to keep pace with the development and provide effective means of health care need to the world.

The University started its journey in 1964 as "Department of Pharmacy" of Department of Delhi Training and Technology Education, Government of NCT of Delhi. It became 'College of Pharmacy' with the starting of B. Pharm. course in 1972. M. Pharm. course was also added and in 1979 it moved to bigger campus Pushp Vihar. Keeping pace with developments of clinical pharmacy in India it got upgraded to Delhi Institute of Pharmaceutical Sciences and Research (DIPSAR) and then enacted as the University, the first University of Pharmacy in India.

The University has currently following seven units:

1. Delhi Institute of Pharmaceutical Sciences and Research (DIPSAR)
2. School of Pharmaceutical Sciences
3. School of Allied Health Sciences and School of Physiotherapy
4. Academy of Sports Sciences Research and Management (ASSRM)
5. DPSRU Innovation and Incubation Foundation (DIIF)
6. Yoga and Fitness Centre
7. World Class Skill Development Centre of DTTE, New Delhi

The University runs D. Pharm., B. Pharm. B.P.T., B.Sc. (Sports Science) with pharmacy focus and PG courses like M. Pharm. In 12 specializations (Cosmeceutics, Drug Regulatory Affairs, Pharmaceutical Analysis, Industrial Pharmacy, Pharmaceutical Biotechnology, Pharmacognosy and Phytochemistry, Quality Assurance, Hospital Pharmacy, Pharmacology, Pharmaceutics, Pharmaceutical Chemistry, Clinical Research); MBA (Pharmaceutical Management); MPH (Master of Public Health); MHM (Master of Hospital Management) in addition to Ph.D. Programs in different discipline. The University has skill development courses like Certificate courses in Yoga, Sports Fitness and Yoga Application, Sports Digitalization & Fitness management and Beauty & Wellness Consultant.

INFRASTRUCTURE & FACILITIES

Delhi Pharmaceutical Sciences and Research University (DPSRU), the first Pharmacy University

in the country was established by an Act 07 of 2008 State legislature of Delhi dedicated to the profession of pharmacy has an infrastructure which is dynamic in nature. The University is committed to significant enhancement of its infrastructure and facilities to provide access to high-quality, affordable pharmacy education that advances knowledge and facilitates the all-round development of the students. The University campus is spread over an area of 10.36 acres having around 1700 students and around 250 staff members offering undergraduate, post graduate and doctoral programmes.

The University boasts some of the best facilities to promote comprehensive teaching and learning and has currently seven units. Apart from D. Pharm. and B. Pharm the University runs M.Pharm with twelve disciplinary areas (Pharmaceutics, Pharmacology, Pharmaceutical Chemistry, Pharmacognosy and Phytochemistry, Cosmeceutics, Industrial Pharmacy, Drug Regulatory Affairs, Pharmaceutical Analysis, Pharmaceutical Biotechnology, Quality Assurance, Hospital Pharmacy and Clinical Pharmacy) and MBA (Pharmaceutical Management); MPH (Master of Public Health); MHM (Master of Hospital Management) programmes and conduct research to cater various sectors of industry. The University is also running Ph.D. programmes in major streams of Pharmacy and Allied Health Sciences.

DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH

DIPSAR is one of the departments of Directorate of Training and Technical Education (DTTE), was



founded in 1964 as a Department of Pharmacy at Kashmiri Gate Polytechnic for imparting Diploma in Pharmacy. This department was later on shifted to Pusa Institute where B. Pharm. course was introduced in 1972, and M. Pharm. in 1979. The department was elevated to the 'College of Pharmacy' and it moved to a bigger campus at Pushp Vihar, New Delhi. This College of Pharmacy was upgraded and named as 'Delhi Institute of Pharmaceutical Sciences and Research' vide gazette notification of July 2004, under DTTE, Government of NCT of Delhi and it was affiliated to University of Delhi. With the establishment of DPSRU, the institute (DIPSAR) is now a constituent institute of DPSRU, both functioning in the same campus, located in Pushp Vihar, New Delhi.

The mission of DIPSAR is to project this institute on the global map of pharmaceutical education by imparting quality pharmaceutical education at doctoral, masters, degree and diploma levels. As pharmacy is the backbone of healthcare sector, Delhi Institute of Pharmaceutical Sciences and Research has a vision of serving the society by producing quality pharmacists at various levels. This Institute mentoring the soft life-skills like positive attitude, right aptitude, problem-solving, effective communication and team-building for all-round development of personality of students, which will empower them to take lead in entrepreneurship and placements.

Recent Developments:

- The Institute has been ranked at 26th position by MHRD, National Institute Ranking Framework (NIRF) 2019.
- DIPSAR is the nodal centre for coordinating the masters and doctoral admissions under the QIP scheme of AICTE for pharmacy teachers.
- DIPSAR is the centre for imparting the masters and doctoral education under the QIP scheme of AICTE for pharmacy teachers.
- DIPSAR is the centre for conducting the short-term Quality Improvement Programs of AICTE for the pharmacy teachers all over the country. DIPSAR has Scheduled four short-term QIP during 2020.
- Keeping in-tune with India's National Sanitation and Hygiene program, DIPSAR has installed two sanitary napkin vending machine and incinerators at the institute and hostel premises.
- With the objective of continuing education and updating knowledge, guest lectures of over 15 erudite national and international speakers in diverse areas of research were organized at DIPSAR, for the benefit of post-graduate students, doctoral students and faculty members.
- With the objective of continuing education and updating knowledge, visit of post-graduate students and faculty members to state-of-art research facilities, regulatory organizations and industrial units like National Malaria Research Institute, School of Pharmacy-Jamia Hamdard, Indian Pharmacopeial Commission and Belco Pharma were organized.

SCHOOL OF PHARMACEUTICAL SCIENCES

School of Pharmaceutical Sciences was established under DPSRU University in the year 2015 with an aim to promote and provide specialized professional courses of different fields of Pharmaceutical sciences. The school in the year 2015 started with B. Pharm, M. Pharm (Department of Pharmaceutics, Department of Pharmaceutical Chemistry, Department of Pharmacology and Department of Pharmacognosy) and PhD. Later in the year 2017, the School of Pharmaceutical Sciences continued its growth with few more branches added in M. Pharm courses i.e. Industrial Pharmacy, Cosmoceutics, Drug Regulatory affairs, Pharmaceutical Analysis, Pharmaceutical Biotechnology and MBA in Pharma Management in order to provide more specialized courses with a vision of better opportunities for young pharmacist.

The vision of the School of Pharmaceutical Sciences aims to nurture the pharmaceutical professionals by developing highly competent skilled Pharmacist who can serve to the society in a better way and can become integral part of health care system. The Department of Pharmaceutics

aims to equip the students with the knowledge of research and development, formulation development, Scale up and technology transfer, regulatory affairs, patent filing and industrial safety issues. The Department of Pharmaceutical Chemistry along with Pharmaceutical Analysis aims to nurture its students with the knowledge of medicinal chemistry and analytical method with more scientific approach. The Department of Pharmacology along with Pharmaceutical Biotechnology aims to provide its students the knowledge of biopharmaceuticals, clinical research and pharmacovigilance. The Department of Pharmacognosy focusses on development of drugs from herbal plants and standardization of herbal drugs. Followings are our values, objective and future plans:

- Excellence and integrity in teaching, research, clinical practice and service
- Commitment to a learning environment that embraces diversity, inclusiveness, equity and respect
- Promoting and rewarding critical thinking and continuous quality improvement
- Productive engagement with our alumni, clinical and educational partners, and community
- Establishment of 'Centre of Excellence' for Nanoscience and Nanotechnology
- Establishment of Scale up Technology Lab for commercialization of products
- Set up of Quality Control and Quality Assurance lab for various novel drug delivery systems
- Building up current areas of strength by forming small collaborative units and establish an interdisciplinary biomedical research Centre at DPSRU
- Explore the herbal wealth of Biodiversity parks in the neighbouring areas.
- Testing Laboratory for AYUSH, Natural Products and Phytopharmaceuticals
- Development of specialized Medicinal Herbal Garden in the DPSR University Campus.
- to provide the supportive environment for

bench to bedside kind of translational research in areas of national priority by collaborating with institutes of national and international importance.

- to start value added courses in clinical research, pharmacovigilance, and biopharmaceuticals in collaborations with Indian Pharmacopoeia Commission, Apollo Hospitals, Biocon etc.
- Development of Post Graduate Degree and Diploma Courses to provide Teachers required strengthening courses with respect to pharmacy in BAMS, BHMS & BUMS.

LECTURE THEATRE/DELIBERATION ROOMS

Fully air-conditioned four deliberation rooms at DIPSAR block and six lecture theatre at DPSRU block with the capacity of more than 60 students provide the most conducive atmosphere for dynamic and focused discussions. All lecture theatres are well ventilated and equipped with the latest audio-visual facilities which give the right ambience for the teacher and the taught. All blocks are equipped with firefighting solutions. All classrooms and utility areas are provided with power backup. Special sessions or classes are held on effective communication, leadership and team work skills.

DEPARTMENTS, RESEARCH AND INSTRUMENTATION FACILITIES

All the Departments of Delhi Pharmaceutical Sciences and Research University, DIPSAR and Schools of University are actively involved in teaching and research at undergraduate, post-graduate and doctoral levels. The labs are spacious and well-equipped and acts as an ideal training ground for budding pharmacy professionals that allow students to perform experiments and bring to practice what they have learned in theory.

Department of Pharmaceutics: The Department of Pharmaceutics has four M. Pharm specializations viz., Pharmaceutics, Cosmeceutics, Industrial Pharmacy and Drug Regulatory Affairs. The relatively new branches like Cosmeceutics, Industrial Pharmacy and Drug Regulatory Affairs are designed to prepare the students for a career

in pharmaceutical and cosmetic industries, clinical research organizations and regulatory agencies. The department is well equipped with the state-of-the-art laboratories, modern facilities like Novel Drug Delivery Systems (NDDS) Laboratory. The focused research areas of the department are Nanodrug delivery, Vesicular/particulate drug delivery and targeted drug delivery systems along with the formulation of various conventional dosage forms. The department is equipped with latest instruments like:

- 3 D printer
- Autoclave
- Backman coulter counter
- Ball Mill
- Binocular Microscope
- Biosafety Cabinet Class-II
- BOD Incubator Shaker
- Bulk Density Apparatus
- Capsule filling machine
- Clarity test Apparatus
- Coating and polishing machine
- Conical Percolator
- Disintegration and Dissolution Apparatus
- Environmental Chamber
- Fermenter
- Flame Photometer
- Friabilator
- HPLC
- Humidity Chamber
- Malven Zetasizer
- Microfluidizer
- Monsanto Hardness tester
- Pfizer Tablet Hardness Tester
- PSS particle size analyzer
- Rotary Tablet Punching Machine
- Turbidity meter
- Ultrasonicator
- UV – Visible Spectrophotometer
- Vortex Mixer

Department of Pharmacology: The Department of Pharmacology has four specializations in M.Pharm viz., Pharmacology, Hospital Pharmacy, Clinical Pharmacy and Pharmaceutical Biotechnology. The Department of Pharmacology have well defined infrastructure for all the M.Pharm. related courses

and for the B.Pharm. The main research areas include cardiovascular disorders and metabolic syndrome, diabetes and its complications, ocular therapeutics and cancer. Other core competencies of the department include drug discovery related to inflammatory diseases, multiple sclerosis, psoriasis, neuropharmacology and psychopharmacology.

The laboratories are having facilities for pharmacology simulation experimentation for Undergraduate/Postgraduate students. CPCSEA approved Animal House of University having Rats, Mice and Rabbits are used after approval of protocols by IAEC for Postgraduates/Ph.D. Research works for In-vivo Animal Models, Pharmacology & Toxicology and Screening of Drugs. The department has established important molecular pharmacology techniques like SDS-PAGE, gel electrophoresis, western blot and the technique for isolation of hepatocytes from mice for primary cell culture. The technique for measuring trans-epithelial electric current to conduct transporter studies and techniques such as recording electrical activity of heart (electrocardiography) in the anaesthetised rats, documenting diabetic retinopathy using fundus camera are being routinely undertaken.

The highlights of the instruments in the department are:

- Autoclave
- Binocular Microscope with Camera
- Condon's Rat Manometer
- Deep Freezer
- Digital Actophotometer
- Digital Actophotometer
- Digital Plethysmometer
- Digital Tele-thermometer
- Drug Analyzer
- Electroconvulsimeter
- Fundus Camera
- Hot Plate Analgesiometer
- HPLC
- Langendorff Heart Assembly
- Lyophilizer
- Multimode Microplate ELISA Reader
- RT-PCR Machine

- Rotarod Apparatus
- Semi Auto analyzer
- Short Wave Diathermy
- Tail Flick Analgesiometer
- UV Visible Spectrophotometer
- Vortex Mixture/Shaker
- Western blotting Apparatus

Department of Pharmaceutical Chemistry: The Pharmaceutical Chemistry department has three specializations in M. Pharm. viz. Pharmaceutical Chemistry, Pharmaceutical Analysis, and Quality Assurance and is actively involved in designing and synthesizing new drug derivatives as well as evaluation of marketed pharmaceuticals and phytopharmaceuticals. The focused research areas involve synthesis, characterization, and screening of new chemical entities for anti-alzheimer, anticancer, analgesic, anti-inflammatory, anticonvulsant, anti-microbial, and antioxidant activities. Faculty members are actively engaged in research and they publish their work in national and international reputed peer-reviewed journals. The M. Pharm Pharmaceutical Analysis course is designed to provide industry-ready professionals for the analysis and quality control of pharmaceuticals with the appropriate knowledge base, skill set, and practical expertise. Emphasis is also given for demonstration, calibration, and validation of various analytical instruments as well as the development and validation of the assay method for new drugs and formulations. In addition, the department has initiated computer-aided drug design including molecular docking and 3D QSAR techniques for designing potential drug candidates. The department offers a wide variety of job opportunities to students in academics, pharmaceutical companies, medical device companies, government agencies, and research laboratories.

The department is equipped with sophisticated instruments like:

- Attenuated Total Reflector (ATR)
- Carbon, Hydrogen, Nitrogen Analyser
- Conductivity meter
- Digital Colorimeter
- Digital Hot Air Oven
- Digital Ice Maker
- Digital melting point apparatus
- Digital pH meter
- Double distillation Unit
- Flame Photometer
- High Precision Balances
- HPLC
- Micro Centrifuge
- Microwave Synthesizer
- Nephelo-turbidity meter
- Parallel Synthesizer (6 Plus Reaction Station)
- Potentiometer
- Refractometer
- Rotary Evaporator
- Rotary flask shaker
- Supercritical Fluid Extraction (SFE) unit
- Thermo Scientific Flash 2000 analyser
- UV-Visible Spectrophotometer
- Vacuum Pump

Department of Pharmacognosy and Phytochemistry:

Pharmacognosy subject is one of the core branches in the pharmacy curriculum and Department of Pharmacognosy and phytochemistry is involved in the study and research of various medicinal constituents of plants. The niche areas include identification of plant drugs, extraction, separation, purification, identification, phytochemistry and structural elucidation of pure compounds from medicinal plants. It also encompasses plant tissue culture, standardisation of herbal drugs, estimation of analytical/bioactive marker and validation studies.

The department has the following facilities.

- Analytical balance
- Autoclave
- BOD Incubator
- Hot air oven
- Laminar air flow
- Micro Centrifuge
- Moisture balance
- Muffle Furnace
- Projection microscope
- Rotary shaker
- Rotary vacuum evaporator
- Soxhlet apparatus
- Student microscope
- Trinocular Microscope
- UV-Detection Chamber
- UV-Visible Spectrophotometer
- Vacuum oven

CENTRAL INSTRUMENTATION FACILITY

The Central Instrumentation facility has a complement of various sophisticated instruments and facilities to promote interdisciplinary research. The facility caters the need of cutting edge research in many areas of science and technology. It provides a platform for training students and researchers with the latest instruments in the field of pharmaceutical sciences. A full time technician is appointed with specific expertise, to aid with the operation of the instruments.



COMPUTER FACILITY/ INFORMATION TECHNOLOGY CENTRE

Technology provides means for good governance and active learning and all the major research laboratories, faculty rooms, administration, library, animal house, seminar hall, lecture theatres, auditorium, guest house etc. are connected by LAN and internet connections. The University has excellent state-of-the-art computing facilities and system analysis units in its computer centre equipped with more than 100 computers to cater to needs of students. The information technology centre is well equipped with advanced computers along with all the necessary peripherals as well as requisite software facilities and operating systems and has internet facility at their disposal round the clock. This centre also provides a variety of services to the students in literature search, computation and graphics. Major software packages available: Windows, Norton Antivirus, server OS 2004.

Up gradation to 100 Mbps from earlier 40 Mbps leaseline and networking of entire DPSRU campus has been completed and fully functional. Information technology centers provide 24x7 access to internet. The Institute has fiber optic network with switch backbone connecting auditorium, Seminar Hall to the main building. The

network nodes cover all research laboratories by expanding the network through structured cabling in all the floors/ research labs of the Institution building. Apart from software packages, the peripheral support includes laser Printers, color scanners, CD-Writers, LCD Projector etc. Trouble shooting support is also being provided in resolving network and hardware related problems, along with software support for beginners.

ANIMAL HOUSE

The students and faculty have access to the air-conditioned Animal House Facility, which is a newly constructed three-storied building with basement and houses a number of experimental animals. Animal House Facility was established to facilitate the animal-based studies of various investigators from different departments. This Animal facility is utilized for experimental research in accordance with the principles of good laboratory practices and CPCSEA guidelines. All research protocols are approved by the Institutional Animal Ethics Committee (IAEC) of the Institute. The salient features of this facility include:

- The animal house facility is located away from the teaching and administrative block to provide noise and pollution-free conducive environment for animals.
- Each floor has four rooms of size 10ft x 14ft to house different animal species. There is a separate washing, autoclaving and stocking area.
- A room for veterinarian doctor and record keeping is also identified.
- The environment of the facility is maintained using separate Air Handling Units for each floor. The animal house is connected to RO Water facility for providing clean drinking water for animal population.
- Each room opens into 4ft wide clean and dirty corridors on either side for regulated unidirectional movement of material.
- There is a lift (size 8ft x 6ft) in the facility for smooth movement of animals, workforce and material.
- The facility also has quarantine area for rodents (rats/ mice) and rabbits.
- Each species is housed in individual rooms,

in which the temperature, humidity, dark and light cycles are monitored.

Our animal house supplies rats/mice/ rabbits to other colleges/research Institutes approved by CPCSEA. The experienced and helpful technical staff of the Animal House assists the research workers in their animal experiments, and is responsible for proper maintenance of this key facility.



MEDICINAL HERBAL GARDEN

The medicinal herbal garden within the campus has important traditional, medicinal and aromatic plants, herbs, shrubs and trees. The herbal garden is used by M. Pharm. and Ph. D. students working on herbal projects for growing plants for use in their experiments and collection. The main purpose of the herbal garden is to facilitate the experimental work and initiate the conservation of rare medicinal plants. Here herbs are cultivated according to their season to get maximum yield of useful component of herbal drug. At present one herb is used to get constant yield on mass on scale. Its sowing is done in April and is harvested in August. This helps in obtaining constant and good quality of active principles. It also helps in training PG students about collection and cultivation of natural products.



MUSEUM

The University has an organized museum which is facilitated with all kinds of educative anatomical models. Museum has been established as an integral part of the Pharmacology Department, aimed to make the students understand the link between the human body and pharmacological and therapeutic agents.

PHYSIOTHERAPY OPD

Physiotherapy OPD is well equipped and working on various sub-specialities of physiotherapy. The services are provided to the out patients and University staff free of charge as a part of community health care services. The variety of rehabilitation services are provided by experienced and well trained team of Physiotherapist and Medical Officer.



YOGA AND FITNESS CENTRE

After signing the MOU on 2nd March 2017 with Indian Renewal Energy Development Agency (IREDA) IREDA to promote yoga, a certificate program was initiated for the benefit of community and society. Yoga course has been included in the curriculum which will benefit the students to perform and concentrate better. More than the one hundred students of M. Pharm, MHM, MPH, MBA in three batches are trained in the yoga centre in the ground floor of University building.

EXAMINATION BRANCH

Examination Branch of Delhi Pharmaceutical Sciences and Research University was inaugurated by Prof. Ramesh K Goyal, Hon'ble Vice-Chancellor, DPSRU in the presence of Shri S.S. Gill, IAS, Director, DTTE and Shri Sujan Lal Meena, Chief Engineer, PWD (South), Govt. of NCT of Delhi as Chief Guests on 15th Feb. 2020. On this occasion Dr. Ramchander Khatri, Assistant Controller of Examination, DPSRU, Mr. Hussain Alam, Consultant Examination, DPSRU, faculty and staff members of DPSRU/DIPSAR were present.



Examination branch is the most crucial and inevitable part of any institution. It is actively involved in the evaluation process of students. Teaching and Assessment are the two major processes of any Academic Institution. Examination Branch plays a key role in the process of assessing the students with a high level of confidentiality and transparency. The Examination Branch is well established and maintained branch of Delhi Pharmaceutical Sciences and Research University with a team of committed and dedicated staff members. The Examination Branch of DPSRU is headed by the Assistant Controller of Examinations with a team of experts as, Examination Consultant and supporting staffs.

The Prime responsibilities of Examination Branch

is to notify the examinations schedule, processing of examination applications, issuance of Hall Tickets, appointment of Superintendent, Deputy Superintendent for conduct of all examinations in fair and systematic manner, conduct Evaluation process, publish results, issuance of Marks Sheets, Provisional Certificates and Degree Certificates, Official Transcript and Conduct of Convocation, under the timely directions and approvals of Honourable Vice Chancellor. Examination Branch maintains all records pertaining to the Examinations.

AUDITORIUM

The University has a beautifully designed auditorium which serve as a platform of interface with a seating capacity of 450. Centrally air-conditioned, well-planned, well-equipped and elegantly furnished auditorium is provided with all the modern amenities for conducting scientific seminars and meetings. In order to cater to the increased student strength, it is planned to increase the seating capacity of the auditorium.



BOARD ROOM

The University has a state-of-the-art board room which serves as an arena for cultivating team spirit equipped with modern multimedia facilities for important official meetings and proceedings. It provides a forum for interactive sessions, workshops and presentations with a seating capacity of 50.

NSS CENTRE

National Service Scheme Centre is established in University building with voluntary association of teaching, non-teaching staff and students. Various NSS activities are conducted under the Coordinator Dr. Saminathan J. and Co-coordinators Prof. Rajiv Kumar Tonk.

OTHER INFRASTRUCTURE AND CAMPUS FACILITIES

Power Backup: The University has a Diesel Generator to provide power supply to the Department and Laboratories in times of power supply failure.

Sports Complex: The University has a spacious sports complex with facilities for playing outdoor games viz Cricket, Football, Volley ball, Basket Ball, Badminton and Athletic track, also possess the Indoor facilities viz: table tennis, chess, Carrom. The multipurpose sports ground of the University is in par with National standards of sports facilities.



Food Court: A fully air-conditioned food court that offer nutritious and wholesome food and snacks for the students, faculty and staff. Also Mother Dairy Booth started functioning in the year 2020.



India International Hospitality Centre (IIHC): A guest house is situated inside the campus with the name of "India International Hospitality Centre". It has visitors room, five double seated rooms and 3 suites (for VIP guests) which are fully furnished and has been recently renovated. All rooms are fully furnished and air-conditioned.



Hostels for boys & girls: Students have exclusive hostels for boys and girls with spacious, comfortable, well-furnished rooms and a 24-hour security system. A new PG block for girl's hostel has been created along with the existing ones. A fully air-conditioned study hall and an IT room is in the pipeline.



Staff Quarters: The residential complex includes well maintained Staff Quarters.

Gymnasium and Swimming pool: University has a state of art Gymnasium and swimming pool aiming at preparing healthy all-rounder professionals.

SBI ATM at University Campus

Parking Space: Students and faculty have been provided with exclusive Parking lots for their vehicles.

Internal Complaint Committee for Women for prevention, prohibition and redressal of sexual harassment of woman employees and students: University has constituted a committee with competent people to create a secure physical and social environment to deter any act of sexual harassment and to raise awareness on sexual harassment of woman employees and students.

Anti-ragging Squad: University level anti ragging squad has been constituted for taking necessary steps to prevent any incidence of ragging which is prohibited in the campus.

Security Service: The Campus has a 24 Hours Security Service along with CCTV Surveillances.

FACULTY AND STAFF

(Mr. Ankit Goel & Mr. Vivek Mishra)

Prof. Ramesh K. Goyal, Vice Chancellor
Prof. Harvinder Popli, Offg. Registrar

DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH

Prof. Dharam Pal Pathak, Offg. Director

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY / QUALITY ASSURANCE

Dr. Dharam Pal Pathak Professor
Dr. Sharad R. Wakode Professor
Mrs. Amrita Parle Lecturer (Sel. Grade)
Dr. Ramesh B. Bodla Lecturer (Sr. Scale)
Dr. Saurabh Dahiya Associate Professor
Dr. Himangini* Lecturer

Temporary full-time faculty

Dr. Ruhi Ali Dr. Sana
Mr. Saleem Akbar Dr. Ahsan Ahmad Khan

Teaching assistant

Ms. Anjali

DEPARTMENT OF PHARMACOLOGY

Dr. Rajani Mathur Assistant Professor
Dr. S. Latha Lecturer (Sr. Scale)
Dr. Sachin Kumar** Assistant Professor

Temporary full-time faculty

Ms. Priya Joon Mr. Sayed Md. Mumtaz

Temporary part-time faculty

Dr. Neeta Goel Dr. Shailendra Asthana

DEPARTMENT OF PHARMACEUTICS / HOSPITAL PHARMACY

Dr. Prabhat K. Sahoo Professor

Dr. Deepti Pandita Professor
Dr. Meenakshi K. Chauhan, Associate Professor
Mr. Bhag Chand Lecturer (Sel. Grade)
Dr. Gaurav K. Jain Associate Professor
Dr. Satish Manchanda* Lecturer

Temporary full-time faculty

Dr. Beauty Behera Ms. Mamta Bishnoi

Temporary part-time faculty

Dr. Alka Gupta

Teaching assistant

Mr. Mukesh Ms. Bhumika
Ms. Laxmi

DEPARTMENT OF PHARMACOGNOSY

Mrs. Manju Vyas Associate Professor
Mr. Pratap N. Raju Lecturer (Sel. Grade)
Dr. Sakshi Bajaj* Lecturer

DEPARTMENT OF CLINICAL RESEARCH

Dr. Suresh. K. Gupta Distinguished Professor

Temporary part-time faculty

Dr. Devesh Gupta Dr. Manoj Sharma

Other Temporary/Full Time Faculty

Dr. Shivakshi Dr. Manoj Bhardwaj
Mrs. Laxmi Rathore

SCHOOL OF PHARMACEUTICAL SCIENCES

Prof. Harvinder Popli, Director

DEPARTMENT OF PHARMACOLOGY / BIOTECHNOLOGY

Prof. Ramesh K. Goyal Vice Chancellor
Prof. Shyam S. Agrawal National Research Professor

Dr. Mukesh Nandave Associate Professor
Dr. Ajit Kumar Thakur Assistant Professor

Temporary full-time faculty

Dr. Aparna Chowdhary Dr. Saba Abidi

Temporary part-time faculty

Dr. Shailendra Asthana

Teaching Assistant

Mr. Rahul Gupta

**DEPARTMENT OF PHARMACEUTICS /
INDUSTRIAL PHARMACY/ COSMECEUTICS /
DRUG REGULATORY AFFAIRS**

Dr. Harvinder Popli Professor

Dr. Geeta Aggarwal Professor

Dr. Sushama Talegaonkar, Associate Professor

Dr. Madhu Gupta Associate Professor

Dr. Minakshi Garg Associate Professor

Temporary full-time faculty

Dr. Madhurima Roy Ms. Foziya Zakir

Ms. Harshita Mishra

Temporary part-time faculty

Dr. Varsha Pradhan Mr. Surinder Kumar Kamal

Ms. Reena Bhattacharya Ms. Nupur Goel

Ms. Abhilash Abhay Gupta

**DEPARTMENT OF PHARMACEUTICAL
CHEMISTRY /PHARM ANALYSIS**

Dr. Rajiv Kumar Tonk Professor

Dr. Prabodh Chander Associate Professor

Temporary full-time faculty

Dr. Ashwani Kumar Verma Dr. Saroj Verma

Temporary part-time faculty

Dr. Radha Sharma

Teaching Assistant

Mr. Gautam

**DEPARTMENT OF PHARMACOGNOSY AND
PHYTOCHEMISTRY**

Dr. Ajay Sharma Professor

Dr. Mahaveer Dhobi Associate Professor

Temporary full-time faculty

Dr. Poonam Arora

Temporary part-time faculty

Ms. Sara Usmani

SCHOOL OF ALLIED HEALTH SCIENCES

Dr. Jaseela Majeed, Head

**DEPARTMENT OF PHARMACEUTICAL
MANAGEMENT / HOSPITAL MANAGEMENT /
PUBLIC HEALTH**

Dr. Jaseela Majeed Associate Professor

Dr. Puneeta Ajmera Associate Professor

Dr. J. Swaminathan Assistant Professor

Dr. Sheetal Yadav (PT) Assistant Professor

Ms. Rakhi Ahuja* Assistant Professor

Temporary full-time/part-time faculty

Dr. Shivani Dadwal Ms. Abhilash Abhay
Gupta

Dr. Priyanka Chauhan Dr. Saba Abidi

Ms. Reena Bhattacharya

SCHOOL OF PHYSIOTHERAPY

Dr. Shilpa Jain, Head

Dr. Richa H Rai Professor

Dr. Shilpa Jain (P.T.) Associate Professor

Dr. Sheetal Kalra (P.T.) Associate Professor

Dr. Sapna Dhiman (P.T.)* Assistant Professor

Dr. Jyoti Kataria (P.T.)* Assistant Professor

Dr. Varsha Chorsiya* Assistant Professor

Dr. Parul Sharma (P.T.)* Assistant Professor

Dr. Manish Kumar (P.T.)* Assistant Professor

Temporary part-time & full-time faculty

Dr. Madhurima Roy Dr. Prashant

Ms. Geeta Naresh Dr. Anil Sabharwal

Dr. Vikram Dr. Raqib Ali

Ms. Poonam Dhimri Dr. Piyush Ranjan

Ms. Meena Subhramanian Dr. Surbhi Tandon

Mr. Gautam

Mr. Mayank Bharadwaj

Mr. Rajesh Kumar (Accounts Clerk)

MEDICAL UNIT

Dr. Priyanka Sonam

Medical Officer

Ms. Suhasini D

Nurse

Mr. Jiledar*

Mr. Naresh Kumar*

ADMINISTRATIVE STAFF

Mr. Rajesh K. Bhalla

Senior Accounts Officer

Mr. Vivek Mishra

Section Officer-I

Mrs. Anjana Birdi

Section Officer-II

Mr. Vikas Gupta

Assistant Accounts Officer

Mr. Aditya Kaushik

Section Officer

Mr. Ankit Goel

Section officer

Mr. Balbir Singh

Stenographer, Grade-I

Smt. Meera Yadav

Assistant Section officer

Mrs. Indumathi

Stenographer, Grade-II

Mr. Trilok Chand

UDC

Mr. Gopal Singh

UDC

Ms. Poonam Bharti

UDC

Mr. Sandeep

Jr. Assistant

Mr. Umesh Tomar

Jr. Assistant

Mr. Man Singh

Student Section

Mr. Kirshan Kumar

EPBAX Operator

Mr. Nishant Kaushik

Jr. Steno

Mr. Rahul

MTS

Mr. Gaurav Kumar*

Student Section

Ms. Monika Negi*

Jr. Steno

Mr. Hemant Kumar

Driver

Mr. Kaushal Kishor*

Driver

Mr. Pawan Bidhuri*

Driver

EXAMINATION SECTION

Dr. Ramchander Khatri

Asstt. Exam Controller

Mr. Hussain Alam

Consultant (Examination)

Mr. Lakshay Dahiya*

Mr. Rohit Kumar Naruka*

Mr. Gaurav*

Office Assistants

Ms. Lata Dutt (Dealing Assistant)

Mr. Saurav Katwal*

Computer Staff and Data Entry Operators

Ms. Jyoti

Ms. Saroj*

Mr. Pankaj K. Yadav*

Ms. Anjali Singh*

Mr. Vikram Singh*

Mr. Vikas Yadav*

Mr. Sahil*

LIBRARY STAFF

Mr. Shanker Sengupta

Librarian

Ms. Yogita Ahuja

Assistant Librarian

Ms. Sarita Rani

Library Attendant

Ms. Namrata*

Library Attendant

Ms. Divya Kushwaha*

Library Assistant

LABORATORY STAFF

Lab Assistants*

Mr. Denesh

Ms. Deepali

Mr. Mohit

Mr. Sukbhir

Mr. Sujoy Robinson

Mr. Ram Kumar

Ms. Neeta Rathore

Mr. S.K. Sinha

Ms. Shalini Pathania

Lab Attendants

Mr. Ram Narayan

Mr. Dharamveer

Mr. Pradeep Kumar

Ms. Divya Bhardwaj

Mr. Devender Kumar*

Mr. Avinash Bansal*

Mr. Jatin Gautam*

Ms. Kashish*

Mr. Ramji Lal*

Mr. Amit Mehto*

Mr. Mohd. Firdos*

OTHER STAFF

Mr. Rajju

Mali

Mr. Jitender Shiwach*

Boys Hostel Matron

Mrs. Prem Lata*

Girls Hostel Matron

Ms. Bimla Rawat*

Store Keeper

Mr. Priyadarshee Pathak*

Mr. Naresh*

Mr. Manish*

Mr. Gaurav*

Mr. Deepak *

Mr. Yogesh Kumar*

Mr. Sunil Meena*

Mr. Ranjit Paswan*

Mr. Sajan Singh* Mr. Jasbir Singh*
 Mr. Sandeep* Mr. Gaurav Kumar*
 Mr. Rohit Singh Naruka*

**DPSRU INNOVATION AND INCUBATION
 FOUNDATION**

Mr. Abhinav Agarwal* Chief Innovation &
 Strategy Officer
 Ms. Manjali Goswami* Assistant
 (Admin & Opr.)
 Mr. Raj Kumar* Lab Technician
 Mr. Yashwant* M.T.S.
 Ms. Rupender* M.T.S.

WORLD CLASS SKILL DEVELOPMENT CENTRE

Prof. Ramesh K. Goyal Chairperson
 Dr. Madhu Gupta Offg. COO
 Mr. Anshul Bagai Co-ordinator (Hon.)

Academic Master Trainers

Mrs. Archana Mehta Dr. Tusshar D. Alekar
 Dr. Jitendra Chauhan Dr. Divya Kataria
 Mr. Harshit Gupta Ms. Disha

YOGA & FITNESS CENTRE

Dr. Shilpa Jain (P.T.), Co-ordinator
 Sh. C.P. Ray* Acharya

ACADEMY OF SPORTS SCIENCES AND RESEARCH MANAGEMENT

Mr. Anshul Bagai, Director

Dr. A.K. Uppal	Sr. Professor & Advisor Academics	Ms. Yashaswini	Research Executive
Ms. Disha Vats	CAO	Mr. Dushyant Rana	Sports Officer
Mr. Navin	HR	Dr. Gagandeep Kaur	Faculty
Mr. Suresh Chandra Sahu,	Sr. Executive Accounts	Mr. Rohit	Faculty
Mr. Akash Kumar	Accounts Executive	Mr. Ashish Sharma	Faculty
Mr. Priyanshu	Sr. Admin Executive	Mr. Amandeep Kaur	Faculty
Mr. Deepak Kumar	Admin. Executive	Mr. Ravi Shankar	Faculty
Mr. Kumar Goyal	Research Executive	Ms. Harsha Sharma	Executive Assistant to Director

ADJUNCT PROFESSOR

DELHI PHARMACEUTICAL SCIENCES AND RESEARCH UNIVERSITY

Dr. G.N. Singh, Ex. Drugs Controller General of India, CDSCO, India
Dr. S. Dwivedi, Ex. Dean, HIMSR, New Delhi
Dr. K. K. Aggarwal, President, CMAAO, New Delhi
Dr. R. C. Deka, Ex. Director, AIIMS, New Delhi
Dr. S.K. Gupta, Ex. Head, Department of Pharmacology, AIIMS, New Delhi
Dr. Arun K. Agrawal, Ex. Dean, Maulana Azad Medical College, New Delhi
Dr. V. M. Katoch, Ex. Director General, Indian Council of Medical Research, New Delhi

NEWLY JOINED FACULTY



(Prof. Ajay Sharma & Dr. Saurabh Dahiya)



Dr. Ajay Sharma is currently working as Professor, Department of Pharmacognosy, School of Pharmaceutical Sciences, Delhi Pharmaceutical Sciences and Research University, New Delhi. He has done Ph.D. from Poona College of Pharmacy, Bharati Vidyapeeth University, Pune. He has about 14 years of teaching and research experience. He has been awarded Postdoctoral Research Fellowship from Yeungnam University Republic of Korea, Senior Research Fellowship from Department of Biotechnology, New Delhi, India and Junior Research Fellowship from University grants commission, New Delhi, India during his studies. He has published more than 55 research articles in peer reviewed journals of national and international repute. He has presented papers in national and international conferences. He has contributed a book and two book chapter. He has filed one Indian patent. He is the member of various national and international bodies. He has served the previous organizations in various capacities as Director, Dean and Head of Department. His research area includes Drug discovery and development from natural sources, Ethnopharmacology, Natural product chemistry, Metabolomics, Plant Biotechnology, Bioactivity guided fractionation and Bioconversions. He can be contacted at ajaysharmapharma1979@gmail.com



Dr. Deepti Pandita is working as Professor in the Department of Pharmaceutics, Delhi Pharmaceutical Science and Research University, New Delhi. She has done her Ph.D. in Pharmaceutics from Jamia Hamdard, New Delhi and post PhD was a FCT Postdoctoral Fellow at University of Madeira, Portugal. Dr. Pandita has 18 years of teaching and research experience. Dr. Deepti has received major research grants from AICTE and SERB, under Research Promotion and Young Scientist Schemes respectively, and Best Pharmaceutical Scientist Award- 2014, Haryana State Branch, APTI. She has earned to her credit seven book chapters and over 80 publications in peer-reviewed journals with high impact factor like Journal of Controlled Release, Materials Science and Engineering: C, Trends in Food Technology, Drug Discovery Today, Molecular Pharmaceutics, Biomacromolecules, Nanotoxicology etc. She also has two Indian Patents to her credit. She has guided/guiding 4 PhD and 44 M. Pharm scholars. Her present areas of research include Nanomedicine & Nanotheranostics, Bioconjugates, Stem Cell Research for Tissue Engineering, Drug Discovery & Repurposing, 3D Printing for Personalized & Precision Medicine, Targeted Phytochemicals Delivery. She can be contacted at deeptipandita@yahoo.co.uk



Dr. Saurabh Dahiya is presently working as Associate Professor (Pharm. Chem.) at DIPSAR, Delhi Pharmaceutical Sciences and Research University, New Delhi, India. He gained postdoctoral research experience at School of Medicine University of Louisville, Kentucky, USA and Ph.D. from Jamia Hamdard, New Delhi. He got Industrial Research Training at Ranbaxy Research Laboratories, Gurgaon, Haryana, India. To his credit, he has research publications of very high impact like Human Molecular Genetics, Journal of Immunology, Metallomics, The Quality Assurance Journal etc. to name a few. 03 Ph.Ds have been awarded under his supervision. He has registered 03 copyrights with Govt. of India. He has more than 12 years of experience in

academic institutions of repute, amalgamating various roles in Teaching, Research and Administration (Principal) in Pharmacy. He was conferred with Principal of the Year Award 2019 by Association of Pharmacy Professionals. His areas of research interests include analytical assays, validation, synthesis and development of target specific dosage forms including radiopharmaceuticals, analytical profiling of pharmaceutical formulations, and clinical research on life-style diseases. He can be contacted at saurabhdahiya@gmail.com



Dr. Gaurav Kumar Jain is working as an Associate Professor, Pharmaceutics, DIPSAR, Delhi Pharmaceutical Science and Research University, New Delhi. Dr. Jain has done his Ph.D. in Pharmaceutics and has more than 15 years of teaching and research experience. He has published more than 75 research papers in peer reviewed international journals and presented papers in national and international conferences. Dr. Jain has filed one US and four Indian patents and authored five text books, including renowned 4th edition of Lachman and Lieberman's Text Book of Industrial Pharmacy. His area of interest includes Product development and Translational research with expertise in nano- and targeted drug delivery, QbD, scintigraphy and pharmacokinetics. Dr. Jain also holds position of Vice President, Indian Pharmaceutical Association-Delhi. He can be contacted at gkjdpdsru@gmail.com



Dr. Minakshi Garg is presently, Associate Professor in Delhi Pharmaceutical Sciences and Research University, New Delhi. Dr. Garg is a doctorate in Pharmaceutics from Dr. Hari Singh Gour University, Sagar an oldest and renowned University of India. She has about 14 years of rich industrial experience. She got associated as Assistant Director with Fresenius Kabi Oncology Limited, Gurgaon. She was a part of global regulatory affairs meetings of Fresenius Kabi and American Association of Medicines. She has an expertise in development of liposomal drug delivery systems, generic parenteral formulations, in particular the oncology drug products and new drug applications for various global markets including EU, US, Japan and Pharmerging markets. After gaining rich expertise in formulation development, she gained an ample experience in global regulatory affairs. She has filed several ANDAs, NDAs, NCE-1 applications for US market, marketing authorization applications for Europe and new applications in Pharmerging markets such as South Africa, Mexico, Thailand, Singapore, Malaysia. She has got published various research papers/review articles in Journals of International repute and 5 US/EU patents. The patented formulations are commercially available. She can be contacted at minakshigarg@gmail.com



Dr. Richa Hirendra Rai, Professor in School of Physiotherapy, Delhi Pharmaceutical Sciences and Research University, is a graduate from Maharaja Sayajirao University, Baroda, Gujarat and has been awarded the Master in Physical Therapy, Cardiovascular and Respiratory Physiotherapy from T.N. Medical college, University of Mumbai, Maharashtra. She has been a board and university topper. Having done her MBA (Finance), she has also bagged CFA and Ph.D. in Hospital and Health Care management. She is also a certified Yoga Therapist from Yog Niketan, Baroda. She has attended and organized several national and international level events, workshops and conferences and chaired various scientific sessions. Having several articles to her credit in internationally renowned Physiotherapy journals and authored books, she has won awards for scientific paper presentations and accolades from revered institutions like AIIMS, New Delhi. Possessing diverse knowledge of physiotherapy with over 18.5 years of professional experience, her key areas of

interest have been a milieu of ICU care, Preventive Cardiology and Rehabilitation along with Conception and Implementation of Respiratory care, application of Diverse Clinical Physiotherapy skills and Exercise Protocol in Community Health Care. She can be contacted at richahrai@gmail.com



Dr. Puneeta Ajmera is working as an Associate Professor in the Department of Public Health, School of Allied Health Sciences, Delhi Pharmaceutical Sciences and Research University, New Delhi. She has done her Ph.D. in healthcare management. She has total experience of 16 years that includes around 13 years of teaching and 3 years of industry experience. She has published more than 50 research papers in peer reviewed international journals and presented papers in national and international conferences. She has filed two patents and authored three books on healthcare system and health policy. Her areas of interest include Maternal and Child health, Globalization of healthcare, Industry 4.0 and Lean management in healthcare, Decision making in healthcare with expertise in MADM (AHP, TOPSIS, VIKOR) approaches and Structural Modelling techniques like ISM, TISM etc. She can be contacted at puneeta_22@yahoo.com



Dr. Sheetal Yadav (P.T.) is working as an Assistant Professor in the department of Hospital Management, School of Allied Health Sciences at Delhi Pharmaceutical Sciences and Research University. She has done her MBA in Hospital and Health Management from IIMR University Jaipur and is pursuing her Ph.D. in Hospital Administration. She has 10 years of experience including 7.5 years of teaching and 2.5 years of industry experience. She is Green Belt in Six Sigma Methodology from Indian Statistical Institute, Delhi. She has published 18 papers in peer reviewed international journals. She has co-authored 3 books on Healthcare system, Health Policy and Human Resource Management in Hospitals. Her areas of interest include Telemedicine, Quality Management in hospitals and healthcare including Accreditation, Six Sigma and Lean management. She is can be contacted at sheetal Yadav.ihmr@gmail.com



Dr. Sheetal Kalra (P.T.) is working as Associate Professor, School of Physiotherapy, Delhi Pharmaceutical Sciences and Research University, New Delhi. She is a graduate from DAV College, Yamunanagar, and a Post Graduate from SBSPGI, Dehradun. She has done her post-graduation in Sports Physiotherapy and is also pursuing Ph.D. in Physiotherapy from SGT University, Guugram. She has got over 15 years of teaching and hospital experience at places like Guru Jhambeshwar University, Indraprastha University, Manav Rachna International University and SGT University. She has got more than 30 publications till date in peer reviewed national and International journals and has got a book published as well. She is joint editor with Indian Journal of Health sciences and care and is also a reviewer with American Journal of Transplantation and Indian Journal of Yoga, Health and Physical education. Till date she has guided more than 40 students pursuing Master's in Physiotherapy. Dr. Kalra is the recipient of many awards like Academic Excellence Award, Medanta and Young Achievers Award, INCPT AIIMS. She has been invited speaker in many national and international conferences which includes International conference at AIIMS, International conferences at Singapore and Jakarta and many more. Her areas of interest include Women health, Physical fitness, ergonomics at work place and Sports Rehabilitation. Her present focus is on establishing Institute as brand and creating best teaching practices at School of Physiotherapy, DPSRU. She is can be contacted at sheetalkalra1237@gmail.com



Dr. Prabodh Chander Sharma is working as an Associate Professor in the Department of Pharmaceutical Chemistry, School of Pharmaceutical Sciences, Delhi Pharmaceutical Science and Research University, New Delhi. Dr. Sharma has done his Ph.D. in Pharmaceutical Sciences and has more than 18 years of teaching and research experience. He has published more than 90 research and review papers in peer reviewed international journals and presented papers in national and international conferences. He was awarded Fast Track Scheme for Young Scientists by SERB-DST. Dr. Sharma has visited Switzerland, Germany, Singapore in his academic endeavors. His areas of interest include design and synthesis of novel heterocyclic compounds for antiinfective and anticancer activities. He can be contacted at sharma_prabodh@rediffmail.com



Dr. Abhishek Dadhich is working as an Assistant Professor in the Department of Pharmaceutical Management, School of Allied Health Sciences, Delhi Pharmaceutical Sciences and Research University, New Delhi. Dr. Dadhich has done his PhD in Management and has more than 12 years of teaching, training, and research experience. He has obtained various certification for Public Procurement issued by South Asia Regional Procurement Services, The World Bank, Washington DC, USA, certifications for Quality assurance of Medicines by UNFPA and Effective Vaccine Management by World Health Organization (WHO). He is AICTE Scholar recipient, GATE 2004 qualified. He has various publications in national and international journals and has presented his research work at various national level conferences. He has coordinated and delivered talks in various national and international management development program (MDP's) on various emerging issues like; Patient's Medication Safety and Quality Management in Hospital, Promoting Rational Use of Medicines in Community, Regulatory Framework & Pharmacovigilance' and "Good Pharmacovigilance Practices (GVP), Logistic management of Reproductive Healthcare Commodities by UNFPA., Access to Essential Medicine in Low- and Middle-Income Countries, Quality Assurance in Pharmaceutical Supply Chain Management. His area of interest includes consumer behaviour towards Over-the-Counter medicines, physician prescription behaviour, rational use of medicines. He can be contacted at apanabhi@gmail.com

RESEARCH INTERESTS OF FACULTY



(Prof. Sharad R. Wakode)

DELHI PHARMACEUTICAL SCIENCES AND RESEARCH UNIVERSITY



Dr. Ramesh K. Goyal

Biomarker based new drug discovery and development of herbal products, phytopharmaceutical drugs. Development of new drugs through 505b(2) pathway. Clinical research including Pharmacovigilance. Specific are: Diabetes, Cardiovascular complications & inflammatory disorders.



Dr. Shyam S. Agrawal

Drug Discovery, drug Development and conducting preclinical and clinical (BA/BE studies) trials in the area of antifertility, oncology, cosmetovigilance and herbogilance. Study of oral contraceptives and antiovolatory agents in rats. Screening for estrogenic and antiestrogenic activities of herbs and herbal formulation from Dabur Research foundation.



Dr. Suresh K. Gupta

New drug development for the management of cataract, glaucoma and diabetic retinopathy. New drug discovery for the management of various cardiovascular disorders by natural products. Role of Pharmacoeconomic and outcomes research for the better management of health care system in the country.

DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH

Department of Pharmaceutics / Hospital Pharmacy



Dr. Prabhat K. Sahoo

Development of formulations (niosome, intranasal bypass DDS, niosomal antiacne gel, emulgel, transungual drug delivery). Gold nanoparticles based supramolecular architecture for non-Hodgkin lymphoma



Dr. Deepti Pandita

Nanomedicine & Nanotheranostics, Bioconjugates, Stem Cell Research for Tissue Engineering, Drug Discovery & Repurposing, 3D Printing for Personalized & Precision Medicine, Targeted Phytochemicals Delivery



Dr. Meenakshi Kanwar Chauhan

Vesicular/particulate drug delivery- for improved bio-pharmaceutical performance through topical and oral routes. Ophthalmic drug delivery system. Formulation approaches to improve ocular bioavailability of drugs. Protein/peptide drug delivery technology.



Dr. Gaurav K. Jain

Industrial pharmacy and product development; Translational research; Oral, dermal, ocular drug delivery using Nanotechnology; Targeted drug delivery, Technology transfer, Gamma scintigraphy and Clinical studies.



Dr. Satish Manchanda

Particulate Drug Delivery, Nano- drug delivery, ocular drug delivery, topical drug delivery, solubility enhancement, HPLC method development etc.

Department of Pharmaceutical Chemistry/Quality Assurance



Dr. Dharam Pal Pathak

Drug design, synthesis and pharmacological evaluation of fatty acid derivatives, oxadiazole, and benzthiazole derivatives. Chemical, biological, radiological and nuclear decontamination and mitigation in case of emergencies.



Dr. Sharad R. Wakode

Synthesis and development of new medicinal heterocyclic scaffold and investigation of biological activities such as antiviral, anti-inflammatory, anti-diabetic, anti-Alzheimer. Analytical method development, stability studies and validation of newer finished products and formulations. Photochemical investigations for the isolation, purification and characterization of its chemical constituents from selected Medicinal plants and screening for their Biological activity.



Mrs. Amrita Parle

Planning, designing, synthesizing, characterizing and screening of novel compounds. Development and validation of analytical methods like Reverse HPLC, HPTLC, UV, LC/MS-MS for Drug molecules. Pharmacovigilance



Dr. Ramesh B. Bodla

HPLC Method development and validation of Drug and their combinations in formulations and APIs. Quality assessment and Quality control of drugs and Phytochemicals. Plant tissue culture studies of static and cell suspension cultures using Elicitors and Bioprecursors for the Bio Production of secondary metabolites. Synthetic Medicinal Chemistry for potential drug molecules or drug analogs and their Biological screening.



Dr. Saurabh Dahiya

Analytical assays, validation, synthesis and development of target specific dosage forms including radiopharmaceuticals, analytical profiling of pharmaceutical formulations, and clinical research on life-style diseases.



Dr. Himangini

Design, Synthesis and characterization of new heterocyclic compounds with their biological effects. Standardization, isolation and characterization of herbal drugs.

Department of Pharmacology



Dr. Rajani Mathur

Metabolic disorders and its complications. Pharmacological Screening of potential drugs for cardioprotective effects, ocular therapeutics, molecular mechanisms of metabolic disorders



Dr. S. Latha

Pharmacological Screening of Anti-angiogenic herbal drugs and their isolated compound. Neuroprotective effect of herbal extract and isolated compound.



Dr. Sachin Kumar

Cancer metabolism; targeted delivery of phytochemicals to cancer with nanocarriers and toxicological studies.

Department of Pharmacognosy



Mrs. Manju Vyas

Evaluation of Different biological activities of medicinal plants.



Mr. Pratap N. Raju

Standardization of phytochemical and their biological studies.



Dr. Sakshi Bajaj

Studies and researches into medicinal constituents of plant, involve qualitative and quantitative analysis. Also desired active metabolites to be isolated, characterized and studied as interested lead compound.

SCHOOL OF PHARMACEUTICAL SCIENCES

Department of Pharmaceutics/Industrial Pharmacy/Cosmeceutics/Drug Regulatory Affairs



Dr. Harvinder Popli

Application of Nanotechnology and Phytopharmaceuticals for development of differentiated drug Delivery Systems for Systemic delivery, Cosmetology. Regulatory policies for impurity profiling, Medical Devices, IVD and Biologicals. Health economics and role / applications of AI in Healthcare.



Dr. Geeta Aggarwal

Nanocarriers for drug targeting, Transdermal and Topical drug delivery by using colloidal carriers, Exploitation of natural polymers and lipids for enhancement of bioavailability of drugs, Validation for temperature-controlled packaging materials, Expertise sharing with industry for Formulation and Development



Dr. Sushama Talegaonkar

Development of wide variety of smart and intelligent nano drug delivery systems (Bioinspired nanoparticles, Nanovesicular systems, Self-emulsifying drug delivery systems, etc.) for biomedical applications, targeted drug delivery and Bioavailability enhancement.



Dr. Madhu Gupta

Pharmaceutical Nanotechnology and targeted drug delivery for magical molecule delivery, ligands for targeting of bioactives, polymers. Nanoformulations development in the area of cancer, wound healing, fungal infection psoriasis, and many more.



Dr. Minakshi Garg

Formulation development along with their global regulatory filing. Development and characterization of stabilized liposomal drug delivery systems and solubility enhancement of poorly aqueous soluble drugs.

Department of Pharmaceutical Chemistry/Pharmaceutical Analysis



Dr. Rajiv Kumar Tonk

Designing, synthesizing, and characterization of new chemical entities incorporating heterocyclic scaffolds as potential antimicrobial, anti-inflammatory (COX-1, COX-2 and ITK inhibitors), Anti-Alzheimer, Anticancer and Antiviral agents. Development and validation of analytical methods for drugs and drug formulations.



Dr. Prabodh Chander Sharma

Design and synthesis of novel thiazole, thiazolidin-4-one, fluoroquinolone derivatives for anti-infective and anticancer activities.



Dr. Ashwani Kumar

Designed and synthesized NCEs using computer-aided techniques for discovering clinical candidates in various therapeutic areas, such as Inflammation, Infectious diseases and Cancer. Invented a kinase inhibitor for airway inflammation, currently to be taken up for clinical trials.



Dr. Saroj Verma

In silico exploration of anti-infective molecules (Virtual screening/QSAR), investigation of mechanistic aspects of molecules (Molecular docking/ dynamics simulation), studies on drug target mutations with the help of protein informatics, synthesis and biological screening of designed molecules.

Department of Pharmacology / Biotechnology



Dr. Mukesh Nandave

Investigating the role of nutraceuticals and Phytopharmaceuticals for Myocardial ischemia & reperfusion injury, Diabetes, Obesity, Pain management. Effects of Sirtuin1 (SIRT1) activation in ageing-related cardiovascular diseases, System Xc- antiporter inhibition in epileptogenesis, and Targeting AMPK, SIRT1, and cholesterol pathways for prevention of metabolic abnormalities-associated cancer.



Dr. Ajit Kumar Thakur

Neuropharmacology & psychopharmacology with specific reference to investigation of neurotransmitters and biomarkers in CNS co-morbidity associated with metabolic disorders & stress. Ultimate goal of research efforts is to discover therapeutic hits and leads suitable for drug development purpose, or for better standardization of therapeutically used herbal extracts/isolated phytoconstituent(s).



Dr. Aparna Choudhary

Nanobiotechnology. Expertise in gene therapy: In silico siRNA design using different computational biology techniques; synthesis and characterization of nanoparticle-based delivery to target Alzheimer's disease and other neurological disorders.

Department of Pharmacognosy and Phytochemistry



Dr. Ajay Sharma

Drug discovery and development from natural sources, Ethnopharmacology, Natural product chemistry, Metabolomics, Plant Biotechnology, Bioactivity guided fractionation and Bioconversions.



Dr. Mahaveer Dhobi

Bioactivity guided isolation and structure elucidation of pure compounds from medicinal plants; Method Development, Validation Standardization and quality control for estimation of analytical markers in plants; Screening of plant extracts and their isolates for Central Nervous System related disorders.

Department of Pharmaceutical Management/Hospital Management/Public Health



Dr. Jaseela Majeed

Healthcare market, Commercial Drug Development, Quality Systems and Compliance, Health care Management and Public Health Management, Human resource management, Analytical Method Development and Validation of Newer Drugs and formulations, Stability studies including accelerated stability testing of finished products.



Dr. Puneeta Ajmera

Maternal and Child health, Globalization of healthcare, Industry 4.0 in healthcare, lean management in healthcare, Decision making in healthcare using MADM & Structural modelling techniques like ISM, TISM.



Dr. Abhishek Dadhich

Consumer Behaviour towards Over-the-Counter Medicines, Physician Prescription Behaviour, Rational Use of Medicines, Pharmaceutical Supply Chain Management, Pharmaceutical Services in Hospital.



Dr. J. Swaminathan

Rural Health, Urban Health Development, e-Healthcare Systems. Analytical Method Development and Validation for Newer Drugs, Application of Quality by Design for formulation development of drugs, Hepatoprotective, Anti-ulcer, Analgesics, and anti-inflammatory activity in herbal drugs.



Dr. Sheetal Yadav (P.T.)

Telemedicine/e-Health, Quality in hospitals and healthcare i.e., Accreditation, Six-sigma and lean management, Postnatal depression.



Ms. Rakhi Ahuja

Increasing role of artificial Intelligence and Digitization in Healthcare, e-Health, Increasing dependence on m-health apps, Virtual healthcare and Tele health, Universal Health Coverage, AI in pharmaceutical Marketing and Supply Chain, Concept of IoMT

SCHOOL OF PHYSIOTHERAPY



Dr. Richa H. Rai

Cardiac and Pulmonary Functional Assessment and Rehabilitation, ICU Care, Metabolic Syndrome, Yoga and Fitness, Community Health Care.



Dr. Shilpa Jain (P.T.)

Biomechanics, pathomechanics, work place ergonomics, Yoga and Physiotherapy integration, worked on Myopia and Hyperopia by using MFR technique. prevention of injury and enhancing performance of the athletes and handling microcurrent for aesthetic purpose. Inflammation of skeletal muscle at molecular level.



Dr. Sheetal Kalra (P.T.)

Working on fitness of school children, work related musculoskeletal disorders, women health, intervention related to cervical and low back pain, training techniques for enhancing performance in various sports.



Dr. Sapna Dhiman (P.T.)

Motor Control and Motor Learning for Pediatric group (Cerebral Palsy, Autism Spectrum Disorders, Developmental disorders etc.) with specific reference to Posture, Balance, Trunk control and activities of daily living. Evaluate abnormal blocks to development of the children with special needs and emphasize on normal development. Evaluate caregiver burden of children with special needs and design strategies for the same.



Dr. Jyoti Kataria (P.T.)

Biomechanics and Pathomechanics of Scapular Alterations. Latest Advancements in scapula pathologies rehabilitation, Foot Mechanics and its components, Core muscle relationship, Pilates and ergonomics, Sports Patho- Mechanics and its relationship.



Dr. Varsha Chorsiya

Biomechanics, Human Factors and Industrial Ergonomics, Environmental Health, Women Health, Occupational Health & Safety, Physiotherapeutic & Rehabilitation and Geriatrics.



Dr. Parul Sharma (P.T.)

Assessment & Rehabilitation of Neurological Disorders. Comparative evaluation of a new iontophoretic drug for the treatment of Knee Osteoarthritis.



Dr. Manish Kumar

Cause-Effect-Relationships of different Applied Manual Physiotherapy Approaches both Neurotherapeutic and Musculoskeletal techniques and Pilates Management Strategies. Disability evaluation process and Rehabilitation including role of various Prosthetics and Orthotics. Biomechanical Analysis of different Kinematic Chains of the Human Body, its influence by weight gain and in developing methods to analyse, evaluate different interventions which can be incorporated to rectify these poor mechanics of the human body.

PUBLICATIONS & PATENTS

(Dr. Sushama Talegaokar & Dr. Satish Manchanda)

DPSRU Faculty

Books

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Majeed J. Moringa: The Incredible food, Swipe Pages 2019, ISBN-978-93-88601-23-8.

Majeed J. "Water Hyacinth: Wealth From Waste", Swipe Pages 2019, ISBN-978-93-88601-22-1.

Book Chapters

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Research Projects

Ajit Kumar Thakur. Investigation of the antineuropathic efficacy of Homeopathic Dilutions of Toxicodendron pubescens using preclinical models. Project Proposal recommended by **CCRH, Min. of AYUSH, Govt. of India**. Project Funding: 13.14 Lakh, 2020.

Geeta Aggarwal. Industry sponsored (**Cognitrex**) consultancy project entitled 'Market Research on Pharmaceutical and Biological Formulations' completed in 2019-20.

Jaseela Majeed, Charan Singh. Epidemiological Study for hemato oncological and solid tumors in child and adults in metropolitan population in association with Rural Health training center (RHTC), Najafgarh, New Delhi (**F.No.1-1 (Dir)/2019-RTC/1955 dated 16 August 2019**).

Jaseela Majeed, G.S Anandan. Traditional Burnoil formulation and its therapeutic benefits in different degrees of burn injury. A collaborative project with Parakodan Vaidyans Ayurvedic & Research Centre. Kerala.

Keerti Jain and Mukesh Nandve. Adhoc research project entitled "Comprehensive Biological Evaluation of Different Drug Loaded Surface Engineered Dendrimer Conjugates for Treatment of Cancer" (worth INR 30 Lakhs) recommended by **ICMR**.

Madhu Gupta. Research grant received by **TMA Pai University Research Fund** Under TMA Pai Seed Grant-Major on "Molecular characterization, detection of drug resistance genes, strain identification of MDR Acinetobacter baumannii and nanotechnology to identify novel natural products as antibiotic

potentiators", 10 Lakhs. (Ongoing).

Mukesh Nandave Tumor Model and Mechanistic Studies of the AC2, AC7 and AC26 for the treatment of Glioblastoma funded by **SERB**.

Mukesh Nandave. Pharmacological Evaluation of PHMZ Formulations in Experimental Rat Model of Traumatic Brain Injury funded by **Pharmazz Inc., Illinois, USA**.

Mukesh Nandave. Pharmacological Evaluation of Topical Wound Healing Activity of Topical Gel and Biodegradable Hydrogel Film in Excision, Incision and Burn Injury Models of Wounds in Rats funded by **Pharmazz Inc., Illinois, USA**.

Patents

Ramesh K. Goyal and Geeta Agrawal, Stable Pharmaceutical Nasal Composition for rhinorrhoea Application number 202011007732 dated 24th Feb. 2020 Status: Filed

Ramesh K. Goyal, Sayed Md Mumtaz, **Madhu Gupta**, A. Nazeerul Ameen, Bazikov Igor Alexandrovich. Topical Nanolipidic Gel Formulation For Diabetic Foot Ulcer. Ref. Application No. 201811042714, 2019. (Submitted on 14th Nov. 2019, Patent Application No. E-5/1397/2019/DEL), Status: Filed.

Ramesh K. Goyal, Shilpa Jain and Geeta Agrawal, Novel muscle relaxant pharmaceutical Formulation for skeletal muscle pain and injury, Status: Filed

Conference Publications

Ahuja R and Abidi, S Artificial Intelligence in Cardiovascular Sciences: A Revolution in Healthcare in International Conference of Cardiovascular Science (ICCS 2020) organized by Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi. (Feb 21-23, 2020)

Ashish Vishwakarma, Poonam Arora, Mahaveer Dhobi. Standardization, Phytochemical Screening and in vitro anti-oxidant assay of *Thespesia populnea* (Linn.) bark. International Conference on Natural Products and Human Health- 2020. February 27-29, 2020, University of Delhi, New Delhi, India.

Bhardwaj B, Tonk RK. Artificial Intelligence Horizon for Pharmaceuticals. International Conference of Cardiovascular Sciences; 2020 21 – 23 Feb; DPSRU Delhi, India.

Bushra, Mahaveer Dhobi. Pollution hazards and herbs. 7th International Congress of the Society for Ethnopharmacology, India (SFEC 2020). February 15-17, 2020, Jamia Hamdard, New Delhi, India.

Gautam N. Talegaonkar, S. Ischemia and No Obstructive Coronary Artery Disease (Inoca): Woman Heart Disease, The International Conference of Cardiovascular Sciences-2020, February 21-23, 2020 (ICCS-2020), DPSRU, M.B. Road, Pushp Vihar Sector-3, New Delhi-110017.

Gupta M, Khullar, S. Soni, A. Talegaonkar, S. Design and Development Of Novel, Oral Mucosa Films For Oral Cavity Ulcers, APTICON 2019, Oct 11-13th, 2019, 24th National Annual Convention of APTI, DIT University, Dehradun.

Jain K. Anti-angiogenic dendrimers for treatment of cancer. International Conference [SPER-BANGKOK 2019]; 2019 Oct 3-4; Bangkok, Thailand.

Jain K. Macrophage targeted delivery of Amphotericin B through Ligand Conjugated Nanocarrier. International Conference of Cardiovascular Sciences; 2020 Feb 21-23; New Delhi, India

Jain K. Prototype on IOTA Healthcare solutions. Lufthansa Impact Week; 2019 Sep 18-26; New Delhi, India [won most INNOVATIVE idea award].

Jain K. Study on Anti-angiogenic activity of Dendrimers for Therapeutic Effect. International Conference of Cardiovascular Sciences; 2020 Feb 21-23; New Delhi, India.

Jain S. Role of Pyroptosis on Cardiac Muscle Cell Damage: A review. International Conference of Cardiovascular Sciences-2020, February 21-23; Delhi, India

Jain S. The Effect of Anodal Transcranial Direct Current Stimulation on Reaction Time Proceedings in World Physiotherapy Congress: 3rd International Conference 2019, October 17th-22nd October; Rajasthan, India

Kataria J. Relationship of foot posture and navicular drop test with balance among running athletes in New Delhi in Varanasi Physio Conclave and Secured 1st Position among Senior category held on 2nd February 2020.

Kataria J. Role of Scapula in rehabilitation of subacromial impingement at 2nd Educational Expo

& Conference for Physiotherapy, PURVANCHAL -2
Physiocon 2019 on 29th- 30th November

Keshri R, Popli H. Brand Building in Healthcare System. Emerging Dimension in Hospital Healthcare System. 2019 April 4, DPSRU, New Delhi.

Keshri R, Popli H. Role of Cow Milk in Treatment of HIV. 6th World Congress on Nano Medical Sciences. 2019 Jan 7-9, JamiaHamdard, New Delhi.

Kumar M, Pattanaik M, Mohanty PP. Effect of task related circuit training on locomotors task performance (gait) involving the lower extremities in chronic stroke patients. Proceedings of the 50th Annual Conference of the Indian Association of Physiotherapists; 2012 March 16-18; New Delhi, India.

Kumar M, Poddar S. Correlation between Navicular Drop and Gait Speed in Young Adults. Proceedings of the 5th International Conference of Physical Therapy; 2016 Dec 10-11; New Delhi, India.

Kumar M, Poddar S. Relationship between Navicular drop and Gait Speed in Normal & Overweight Young Adults. Proceedings of the Indo Japanese Conclave III; 2017 Feb 13-14; MRIU, Faridabad, Haryana, India.

Majid J. As a Panelist for special session: Flood Impact Reduction - Preparedness & Post Flood Crisis Management. DST- CII India – Netherlands Technology Summit; 2019 Oct 15-16; Hotel J W Marriott, New Delhi, India.

Majid J. rapporteur for the session: Re-purposing of Medicines for Reduced Approval Timeframe, Decreased Costs and Making Use of Existing Data, including issues related to Active Pharmaceutical Ingredients in 2019 World Conference to Access to Medical Products SDG's 2030; 2019 Nov 19-21: 2019, Hotel Taj Palace New Delhi, India.

Mittal L, Tonk RK, Asthana S. Identification of Immune Checkpoint Inhibitors through Structure-Based Approaches Targeting the Pd-1/Pd-L1 Interface. Interdisciplinary Science Conference on Big Data and Computational Biology; 2019 21-22 Oct; Jamia Millia Islamia New Delhi, India.

Khan FM, Vishwakarma, A. Arora, P. Dhobi. M. Phytochemical and Airway Anti-allergic Studies of Vitex Negundo Linn. Leaves and Roots. 7th International Congress of the Society for Ethnopharmacology, India (SFEC 2020). February 15-

17, 2020, Jamia Hamdard, New Delhi, India.

Pandey N, Dhobi M. Standardization and in vitro anti-inflammatory activity of *Maytenus emarginata* (Willd.) leaves. 7th International Congress of the Society for Ethnopharmacology, India (SFEC 2020). February 15-17, 2020, Jamia Hamdard, New Delhi, India.

Faiyaz S. Pandey, N. Dhobi, M. Dang. R. Evaluation of anti-hyperlipidemic activity of *Cissus quadrangularis* Linn stem. International Conference on Natural Products and Human Health- 2020. February 27-29, 2020, University of Delhi, New Delhi, India.

Sharma P, Efficacy of the instruments used in the diagnosis of restless legs syndrome, National Conference: Neuroconnect-3, 2019, Max Super Speciality Hospital, Saket, New Delhi.

Sharma P, Neurodoping – for sports performance, National conference sportsconnect2, 2019, Dilli Hatt Auditorium, New Delhi. (Got 1st Prize in POSTER PRESENTATION)

Sharma P, Tonk R, Comparative evaluation and Formulation of an iontophoretic drug for the therapeutic treatment of knee osteoarthritis, 2nd national conference on recent advances and challenges in healthcare, 2019 March 15-16, G.D Goenka University, Gurugram.

Sharma P, Tonk R, Effect of Microgravity on Knee articular cartilage and its Rehabilitation, International Conference on Aerospace Rehabilitation, 2020 March 13-14, GD Goenka University, Gurugram. (Got 2nd Prize in BEST PAPER PRESENTATION).

Sharma P, Yoga as a therapeutic intervention in chronic illness: a systematic review, FEMCON 2, 2019 March 30-31, Jaipur National University, Jaipur.

Shekhar N, Thakur AK, Siju EN. Evaluation of nephroprotective activity of leaves extract of *Rotula aquatica* Lour. 7th International Congress of Society for Ethnopharmacology, 2020 Feb 15-17; Jamia Hamdard, New Delhi, India

Shekhar N, Tyagi S, Yadav N, Thakur AK. Potential role of gut metabolite Trimethylamine N-Oxide as a biomarker in predicting neurological and cardiovascular diseases. International Conference of Cardiovascular Sciences – 2020, 2020 Feb 21-23; Delhi Pharmaceutical Sciences and Research University, New Delhi, India.

Siddiqui L, Mishra, PK. Iqbal, and Talegaonkar.S., DoE assisted optimization of lignin nanoparticles: Synthesis, cytotoxicity and hemotoxicity studies; SFEC 2020, 7th international congress of society for ethnopharmacology, Feb 15-17, 2020, Convention center, Jamia Hamdard, New Delhi.

Tariq U, Sarkar S, Thakur AK, Banerjee SK. Decreased Expression of SCN5A Gene Involved in Remodeling of Cardiomyoblast: Focusing on Energy Metabolism. Dr. SC Tyagi Award International Conference of Cardiovascular Sciences – 2020, 2020 Feb 21-23; Delhi Pharmaceutical Sciences and Research University, New Delhi, India.

Tonk RK, National conference on “Online Pharmacy: Regulatory Prospective”, 1st March 2019, KRMU.

Tonk RK, National Conference on New horizons in drug discovery & developments the role of NMR on 18th Feb 2019 at SPER, Jamia Hamdard.

Tyagi S, Shekhar N, Yadav N, Thakur AK, Jaggi AS. Investigation of the role of acute and repeated stress on remote ischemic preconditioning and adenosine preconditioning induced cardio protection in rats. International Conference of Cardiovascular Sciences – 2020, 2020 Feb 21-23; Delhi Pharmaceutical Sciences and Research University, New Delhi, India.

Uma, Tonk RK. Synthesis and biological evaluation of new chromenone derivatives against Alzheimer's. APTICON; 2019 Oct 11-13; DIT University Dehradun, India.

Uma, Tonk RK. Synthesis, ADME Properties, Molecular Docking, Antibacterial and Anthelmintics Evaluation of New 2-Aminobenzothiazole Derivatives. International Symposium & 9th Bioinformatics Workshop on Informatics, Drug Discovery & Development; 2019; Jamia Hamdard, Delhi India.

Uma, Tonk RK. Synthesis, ADME Properties, Molecular Docking, Antibacterial and Anthelmintics Evaluation of New 2-Aminobenzothiazole Derivatives. IPC; 2019; Amity University, India.

Yadav D, Popli H, Yadav S.K, Khar R.K. Protective effect of Eugenol against electrical induced seizure model of Epilepsy: ISNSCON. 2019 Jan, New Delhi.

Yadav V, Tonk RK, Khatri R. Molecular docking, 3D-QSAR, fingerprint-based 2D-QSAR analysis of pyrimidine analogues of ALK inhibitors as an

anticancer agent. International Conference on Drug Discovery; 2020 29 Feb – 02 March; Birla Institute of Technology & Science, Pilani - Hyderabad, India.

Yadav V, Tonk RK. Designing and synthesis of pyrazolo[1,5-a]pyrimidine derivatives as ALK1 inhibitor promotes cardiomyogenesis. International Conference of Cardiovascular Sciences; 2020 21 – 23 Feb; DPSRU Delhi, India.

Yadav V, Tonk, RK, Khatri R, Molecular Docking, 3D-QSAR, Fingerprint-Based 2D-QSAR Analysis of Pyrimidine Analogues of ALK Inhibitors as an Anticancer Agent (February 7, 2020). Proceedings of International Conference on Drug Discovery (ICDD) 2020. Available at SSRN: <https://ssrn.com/abstract=3534268>

Zai I, Sukhwinder, Talegaonkar, S. Design and development of herbal sunscreen by using Biopolymer lignin; IPA Convention 2019, Pharma RIA, Sep 11-12, 2019, Vigyan Bhawan, New Delhi.

Zakir F, Ahmad FJ, Kohli K. Design and development of Thermoreversible nanoformulation for the treatment of osteoporosis. 6th World Congress on Nanomedical Sciences, 2019 Jan 7-9; New Delhi, India.

Zakir F, Ahmad FJ, Kohli K. Investigation of a nanodelivery system of an antiosteoporotic drug. National Conference on Nano/Bio-Technology, 2019 Dec19-21; New Delhi, India.

Invited Speaker/Resource Person

Dhiman S, “Ergonomic Advice” at SMS India Pvt. Ltd. Gurugram, 19th January 2019.

Dhiman S, “Exercise as Medicine” in 3rd international physiotherapy Conference-2019 on 19th & 20th October at Janaradan Rai Nagar Rajasthan Vidyapeeth, Pratap Nagar, Udaipur.

Dhiman S, “Physiotherapy Management of Spastic Paediatric Population” in the conference on “Multidisciplinary Approach for Spastic Pediatric Population” on at Banarsidas Chandiwala Institute of Physiotherapy, 21th February’ 2019.

Dhiman S, “Strategies to Improve Trunk Control in Children with Cerebral Palsy” in 8th International Conference of Physical Therapy-AIIMS 2019 on 21st-22nd December, 2019 at AIIMS.

Dhobi M, and Shalu Pal. Anti-osteoarthritic activity

of stem of *Capparis decidua* Edgew (Forssk.) - an ethnomedicinal plant. 7th International Congress of the Society for Ethnopharmacology, India (SFEC 2020), 2020, Jamia Hamdard, New Delhi, India from 15th – 17th feb 2020.

Dhobi M, *Clitoria ternatea* L. – Norneolignans: potential compounds for memory disorders. 5th Hunan International Forum on Biomedicine-Traditional Chinese Medicine. October 23-26, 2019, Changsha, China.

Dhobi M, Exploration of Aravali biodiversity herbal wealth for the development of phytopharmaceuticals. International Conference on Natural Products and Human Health- 2020., University of Delhi, New Delhi, India from 27th – 29th feb 2020.

Dhobi M, Phytopharmaceutical drug regulations in India: A platform for innovation and development of drugs from traditional herbal medicine., China Pharmaceutical University, Nanjing, China, 22 October, 2019.

Goyal RK. Impact of 4th Industrial Revolution in Pharmaceutical Sciences: Opportunities and Challenges for Research” FDP, GTU, Ahmedabad, 28th Dec 2019

Goyal RK. Promotion of Traditional Herbal Medicines in Asian Countries through Phytopharmaceutical Drug Regulation” International Herbal Conf. Deshbandhu College Delhi, 27th Feb 2020.

Goyal RK. “Changing Trends in Traditional Medicine-based New Drug Discovery & Development in the Era of 4th Industrial Revolution” Nanjing University, China, 22nd October 2019

Goyal RK. Clinical cases in cardiology: From bedside to bench and back to bedside” International Conf. Cardiovasc Sciences, New Delhi, 22th Feb 2020.

Goyal RK. Glocalization for the Promotion of Traditional Herbal Medicines in Asian Countries through Phytopharmaceutical Drug Development Regulation” Hunan University, Changasha, Oct 24 2019.

Goyal RK. New Drug Discovery & Development in the Era of 4th Industrial Revolution” 4th Meeting of Society of Xenobiotics, IISC, Bangalore, 19th September 2019

Goyal RK. Pharmacovigilance Contributing to the Safe Drug Development” National Conf. Deshbandhu

College Delhi, 6th Jan 2020

Goyal RK. Phytopharmaceutical Drug Regulation in India: A Step in the Promotion of Traditional Medicines in the Era of 4th Industrial Revolution” SEC International Conf. Jamia Hamdard, 15th Feb 2020.

Goyal RK. Phyto-pharmaceutical Regulation of CDSCO: A key for the Internationalization of Herbal Formulations” GND University, Amritsar, 15th September 2019.

Goyal RK. Quality Control, Challenges and Opportunities in Biologicals” NIB, Greater Noida, 5th June 2019.

Goyal RK. Role of Media & Communication with Research Prospects on Globalization of Pharma Industry in India” Amity University Gwalior, 22nd august 2019.

Gupta M. “Hybrid Nano-engineered System Designed For Synergistic Drug Delivery For Solid Tumor Management” on “Global Meet on Pharmaceutical Sciences, Drug Formulation & Delivery” held during June 19-20, 2019 at Venice, Italy

Gupta M. “Role and application of Nanotechnology in Drug Delivery” in INMASS, DRDO, held on 19th Aug. 2019 to 23rd Aug 2019.

Jain S. “Aesthetic Physiotherapy “Physio Vibes National Conference. Jagannath University, Jhajjar, 8 th September 2019

Majid J. ‘Personality Development and Inculcating Scientific and Research Temperament in Young Professionals’ on 2019, May 15 at Shobit University, Adarsh Institutional Area, Sahran pur, Uttar Pradesh.

Majid J. ‘Role of Analytical techniques in New Drug Development’. 2019, June 27 at Fathima College of Pharmacy, Kollam Kerala.

Kataria, J. “Critical review on Scapula Dyskinesia among Sports Athlete’s” during 2nd National Sports Physiotherapy Conference NSPC, at P.L Auditorium New Delhi, 15th September 2019

Kataria, J. “Latest Advancement in Scapular Pathologies” in 8th International Conference of Physical Therapy INCPT, AIIMS New Delhi from 19th -23th December, 2019

Kataria, J. “Role of Core Muscles in Post-natal care” during Two days hands on workshop of antenatal

and postnatal fitness at Rockland hotel New Delhi, on 17th & 18th August 2019

Popli, H. Key coordinator for conducting Lufthansa Impact week with 24 International Faculty across the globe for training students for Innovation and Ideation in Sep 18 and then Sep 19.

Popli, H. "Mainstreaming Ayush: ArogyaBhawan" Feb; 2019, Hyderabad.

Popli, H, Trends in Drug Delivery Systems "New trends in Pharmaceuticals Sciences" in the XXXI- QIP on DIPSAR; April, 2019

Popli, H Journey of Innovation case study DIIF, at National Arogya Fair, Hyderabad Feb, 2019

Popli, H, Healthcare Scenario in emerging markets, Continuing Education Programme sponsored by IPC "Anangpuria", 2019

Popli, H. Challenges of Startups, in PhD chamber startup 2019

Rai, R. Chairperson for Scientific Paper Presentation at NSPC 14th -15th Sept 2019

Rai, R. Organising Team member for Physiotherapy Consultancy Camp at Bajaj Electrical Pinkathon Jawaharlal Nehru Stadium Recovery Zone, 8th Sept 2019

Talegaonkar, S., Bioceramic Nanoparticles In Bone Disorders" in APP 3rd Indo Caribbean Conference on issues in drug design and development in pharmaceutical sector at Arya college of Pharmacy on 18th July 2019. Jaipur

Talegaonkar, S. 3D Printing: Current trends and future prospects" in AKTU sponsored Faculty Development Programme (FDP) on "Personalized Drug Delivery through 3D Printing: Newer Challenges for Pharma Industries" NIET, Greater Noida, 28th February 2020

Talegaonkar, S. Development of Bioceramic based Nanoconjugates for Osteoporosis, in Faculty development program on "Multidisciplinary approaches in pharmaceutical sciences" education from 8th -20 July 2019, sponsored by AICTE at ISF College of Pharmacy Moga.

Talegaonkar, S. Novel liposomal formulation for effective treatment of Rheumatoid arthritis" P in Faculty Development Program on "Optimized Techniques and Recent Advances in Drug Delivery

System" from 10 – 22th June 2019 Moga.

Talegaonkar, S. Nanocellulose fibers (CNF) as Biopolymeric carrier: Safety and Toxicity Profile" in International Conference on Breakthroughs in Toxicology and Human Health (ICBTHH), (39th Annual Meeting of Society of Toxicology), 27th to 29th December, 2019 at Jiwaji University, Gwalior, M.P.

DIPSAR Faculty

Book Chapters

Chauhan MK, Sultana Y. Flow of Fluids. In: Sultana Y editor. Textbook on Unit Operations in Pharmaceutical Engineering. India: CBS Publishers and Distributors Pvt Ltd; 2019. 1-27.

Manchanda S, Das N, Chandra A, Chaurasia S. Fabrication of advanced parenteral drug-delivery systems. In: Tekade RK editor. Drug Delivery Systems, A volume in Advances in Pharmaceutical Product Development and Research. USA: Academic Pr; 2020. 47-84.

Paroha S, Dewangan RP, **Sahoo PK**. Pharmaceutical technology for improving the bioavailability of natural products. In: Saneja A., Panda A., Lichtfouse E. editors. Sustainable Agriculture Reviews. USA: Springer, Cham; 2020. 43; 1-32.

Articles

Agarwal R, **Gupta SK**, Srivastava S, Saxena R. IOP Lowering Effects of Ocimum basilicum Seed Extract in Two Rabbit Models of Ocular Hypertension. Clin Health Sci. 2019;4(1):39-46.

Aggarwal R, Targhotra M, Kumar B, **Sahoo PK**, **Chauhan MK**. Polyplex: A Promising Gene Delivery System. Int J Pharm Sci Nanotech. 2020;12(6):4681-86.

Aggarwal R, Targhotra M, Kumar B, **Sahoo PK**, **Chauhan MK**. Polyplex: A Promising Gene Delivery System. Int J Pharm Sci Nanotech. 2020;12(6):4681-86.

Aggarwal R, Targhotra M, Kumar B, **Sahoo PK**, **Chauhan MK**. Treatment and management strategies of onychomycosis. J Mycol Med. 2020:100949.

Aggarwal R, Targhotra M, **Sahoo P.K**, **Chauhan MK**. Onychomycosis: Novel Strategies for Treatment. J Drug Deliv Sci Tec. 2020;57:101774.

- Bajaj S, Wakode S**, Kaur A, Fuloria S, Fuloria N. Anti-inflammatory and ulcerogenic activity of newer phytoisolates of *Swertia alata* C.B. Clarke. *Nat Prod Res*. DOI: <https://doi.org/10.1080/14786419.2020.1775224>
- Bajaj S, Wakode SR**, Khan W, **Manchanda S, Kumar S**. Simultaneous HPTLC analysis and in vitro antileishmanic activity of various secondary metabolites in extract of the traditional medicinal herb *Artabotrys hexapetalus* (L.f.). *Ayu*. 2018;39:92-100.
- Bhutani R, Kapoor G, **Pathak DP**, Husain A, Kant R, Ali R. A Mini Review on Recent Advancements in the Therapeutics Potentials of Benzothiazoles. DOI: 10.2174/1573407216666191223093550
- Bhutani R, **Pathak DP**, Kapoor G, Husain A, Iqbal Md A. Novel Hybrids of Benzothiazole-oxadiazole-4-thiazolidinone: Synthesis, in silico ADME study, molecular docking and in vivo anti-diabetic assessment. <https://doi.org/10.1016/j.bioorg.2018.10.025>.
- Chandra A, Aggarwal G, **Manchanda S**, Narula A. Development of Topical Gel of Methotrexate Incorporated Ethosomes and Salicylic Acid for the Treatment of Psoriasis. *Pharm Nanotech*. 2019;7(5):362-374.
- Chauhan MK**, Bhatt N. Bioavailability Enhancement of Polymyxin B with novel drug delivery: Development and Optimization using Quality-by-Design Approach. *J Pharm Sci*. 2019;108(4):1521-28.
- Chauhan MK**, Sharma PK. Optimization and characterization of rivastigmine nanolipid carrier loaded transdermal patches for the treatment of dementia. *Chem Phys lipids*. 2019;224:104794.
- Gond A, **Gupta SK**. Evaluation of the Novel Herbal Formulation for its Cardioprotective Action against Streptozotocin Induced Diabetes in Rats. *Biochem Pharmacol (Los Angel)* 2019;8(2):266.
- Insa D, **Wakode S**, Sharma A. Valuable Insight into Recent Biological Activities of Different Benzimidazoles. *Current Trends in Pharmacy and Pharmaceutical Chemistry*. 2019;1(3):1-22.
- Kalyan S, **Parle A**. A Validated LC-MS/MS Method for Determination of Dapagliflozin in Tablet Formulation. *IOSRPHR*. 2019;9(8):1-6.
- Kalyan S, **Parle A**. Dapagliflozin: An anti-diabetic drug with cardiovascular benefits. *Int J Pharm Sci & Res*. 2020; 11(5):1986-1993.
- Kalyan S, **Parle A**. Quality by design: changing outlook of pharmaceutical development. *Int J Pharm Sci & Res*. 2019;10(9):4100-08.
- Kapoor G, **Pathak DP**, Bhutani R, Husain A, Jain S, Iqbal Md A. Synthesis, ADME, Docking Studies and in vivo Anti-Hyperglycaemic Potential Estimation of Novel Schiff Base Derivatives from Octadec-9-enoic Acid. *Bio Chem*, 2019; 84:478-492.
- Khasimbi S, Yadav I, **Wakode S**, Sharma A. Development of Novel 2-Aminobenzothiazole Derivatives as Antibacterial and Antifungal Agents. *World J Pharm Pharm Sci*. 2019;8:9.
- Kumar B, Pandey M, Pottoo F, Fayaz F, Sharma A, **Sahoo PK**. Liposomes: Novel drug delivery approach for targeting Parkinson's Disease. *Current Pharmaceutical Design*. 2020;10.2174/1381612826666200128145124.
- Kumar N, Bajwan R, **Chauhan MK**. Inflammatory Bowel Disease: A comprehensive Review. *Int J Pharm Sci Nanotech*. 2020;13(2):4808-14.
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Sampa Saha, **Meenakshi K Chauhan**, Parmit Chaudhary Project Title: "Compartmentalized particles as a multiple drug delivery kit for efficient management of Parkinson's disease (PD)". Name of the Agency: Indian Council of Medical Research (ICMR). Duration: 24 months.

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Conference Publications

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Aggarwal R, Chauhan MK. Chitosan Niosomes for Controlled Delivery of Brimonidine Tartrate to the Ocular Membrane. National Forum of Pharmacy Students on National Pharmacist Day; September 25, 2019, New Delhi, India.

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Chauhan MK, Aggarwal R, Mishra J, Sharma PK. Nanoparticulate Encumbered Scaffolds for Neurodegenerative Induced Dementia. Conference on Science and Technology for the future of Mankind; January 7-10, 2019, New Delhi, India.

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evolution and challenges. Proceedings of the national conference on online pharmacy: Regulatory Perspectives; March 1, 2019, Gurugram, Haryana, India.

Kumar B, Sahoo PK. Curcumin loaded Ethosomal gel for improved topical delivery: Formulation, Characterization and Ex vivo studies. National seminar on Advances in Pharmaceutical industry- New Avenues & Career opportunities; September 12, 2019, Gurugram, India. (First Prize)

Kumar N, Chauhan MK. Extended Release of Brimonidine from Commercial Hydrogel Contact Lens for Glaucoma. 24th APTICON; October 11-13, 2019, Dehradun, India.

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Mishra J, Agarwal R, Chauhan MK. Chitosan Nanosomes for controlled delivery of Brimonidine tartrate in ocular delivery of open angle glaucoma. International conference on nanotechnology and its application to ocular drug delivery system; January 26-28, 2019, Gujarat, India.

Mittal S, Chauhan MK. 3D printing and its conflicts with intellectual property rights. International conference on Prospects of IPR in innovative practices; August 27, 2019, Rohtak, India.

Mittal S, Chauhan MK. Heart muscle bioengineering: A model for regenerative medicines. International conference of Cardiovascular Sciences; February 21-23, 2020, Delhi, India.

Mittal S, Chauhan MK. Microneedle delivery devices -approach for cancer therapy. National Seminar; September 12, 2019, Gurugram, India.

Neha SL, Sahoo PK. Comparison between Solid Lipid Nanoparticles versus Nanostructure lipid Carrier. IPA Convention 2019 PHARMARIA; September 11-12, 2019, Vigyan Bhawan, New Delhi.

Neha SL, Sahoo PK. OTC Medication an Uphill journey. 24th Annual national convention of association of pharmaceutical teachers of India APTICON; October 11-13, 2019, Dehradun, Uttarakhand.

Paroha S, Paswan SK, Vishwakarma VK, Yadav HN, Sahoo PK. Atrial natriuretic peptide facilitates cardioprotection of ischemic preconditioning on ischemia-reperfusion-challenged rat heart. International conference of cardiovascular sciences; 2020 Feb 21-23; Delhi, India.

Prajapati S, Parle A. Regenerative Medicine: The Future of Biomedical Sciences. 9th International Conference on Food Processing and Fortification with emphasis on vitamin D; March 5-6, 2020, New Delhi, India.

Prajapati S, Parle A. Synthesis, Characterization and Antifungal Activity of Aryl Benzimidazole Derivatives. International Conference on Personalized Medicine: Concept & Role Player; February 19-20, 2020, Lucknow, Uttar Pradesh, India.

Prakash U, Kumar N, Chauhan MK. Brinzolamidespanlastics for glaucoma. International conference on nanotechnology and its application to ocular drug delivery system; January 26-28, 2019, Gujarat, India.

Sharma A, Chauhan MK. Predictive biomarkers for cancer. National Seminar; September 12, 2019, Gurugram, India.

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Sharma J, Chauhan MK. Vaccine development against the renin angiotensin system for the treatment of hypertension. International conference of Cardiovascular Sciences; February 21-23, 2020, Delhi, India.

Sharma J, Singh N, Chauhan MK. Tailor made medicine- an innovative approach in healthcare for individualised drug treatment; National Forum of Pharmacy Students on National Pharmacist Day; September 25, 2019, New Delhi, India.

Sharma P, Chauhan MK, Yadav JP. Kinetic Modelling of Drug Release from Diltiazem Matrix Tablet Based

on Nature of Matrix forming natural and Synthetic Polymer. International conference on nanotechnology and its application to ocular drug delivery system; January 26-28, 2019, Gujarat, India.

Singh N, Chauhan MK. Engineering precision biomaterials: a new approach for personalized medicine in cardiovascular healthcare. International conference of Cardiovascular Sciences; February 21-23, 2020, Delhi, India.

Singh VK, Parle A. Computational approaches in drug discovery. Proceedings of the 2nd National conference on recent advances and challenges in healthcare; March 16, 2019, Gurugram, India.

Targhotra M, Chauhan MK. Chitosan Niosomes for Controlled Delivery of Brimonidine Tartrate to the Ocular Membrane. 24th APTICON; October 11-13, 2019, Dehradun, India.

Tayal D, Bajaj S, Kalyan S. Method development and validation for the simultaneous estimation of dapagliflozin and metformin in tablet formulation; March 14, 2020, Gurugram, India.

Tripathi R, Khan S, Mathur R. Development and characterization of novel oral polymeric nanoformulation of rutin for improving intestinal permeability. Poster presentation at 7th International Congress of the Society for Ethnopharmacology, India (SFEC 2020); February 15-17, 2020, Jamia Hamdard, New Delhi, India.

Yadav M, Chauhan MK, Sandal N. Evaluation of mercury adsorption and removal efficacy of pulverized chlorella. 7th International Congress of Society of Ethnopharmacology; February 15-17, 2020, Delhi, India.

Yadav N, Chauhan MK. Nanoburrs – approach to treat cardiovascular diseases. International conference of Cardiovascular Sciences; February 21-23, 2020, Delhi, India.

Yadav N, Chauhan MK. Ocular drug delivery- a sustained approach. National Seminar; September 12, 2019, Gurugram, India.

AWARDS & ACHIEVEMENTS



(Dr. Jaseela Majeed & Dr. Sachin Kumar)

DPSRU-Faculty

1. Prof. Ramesh Kumar Goyal

Awards

- Honored with **Pharma Ratan Award, 2019**, New Delhi.
- **Distinguished Leadership Award** by International Academy of Cardiovascular Sciences, 21 February, 2020, New Delhi.

2. Prof. Harvinder Popli

Awards

- **Distinguished Service Award** in Cardiovascular Science from International Medicine and Surgery, 21 February, 2020 New Delhi.
- **Double Helical National Health** award for contribution in research for ageing population in February, 2020.
- Presented with **Appreciation award in IPA Convention** held at Vigyan Bhawan, New Delhi on 11-12 September, 2019.
- Bestowed with an **Appreciation award** in Pharma speaker by Lloyd Institute of Management & Technology, Greater Noida, 2019
- **Lifetime Achievement Award** on 5th Annual National Conference as a Pharma Speaker held at Lloyd Institute of Management & Technology, Greater Noida, 2019.
- Conferred with an **Appreciation Award** by Indian Pharmaceutical Association Convection 2019 for contribution in Regulatory Science.
- Presented with an **Appreciation Award** for contribution in **Continuing Education Programme (CEP)** on Resurgence in Pharmaceutical Education at B.S Anangpuria Inst. of Pharmacy Faridabad, 2019.
- Nominated for **International Icon** award by Institute of Economics studies 2019.
- Awarded for the development of **1st Innovative Oral Intradialytic Product** along with Prof. Geeta Aggrawal which was commercialized by Alniche by Hon'ble Lieutenant Governor of NCT of Delhi on 26 July, 2019 at Vigyan Bhawan, New Delhi.

Achievements/Recognitions

- Nominated as governing council board member of Institute of Directors, India.
- Designated as **key coordinator** for conducting Lufthansa Impact week with 24 International Faculty across the globe for training students for Innovation and Ideation September, 2019.

3. Prof. Geeta Aggrawal

Awards

- Awarded for Launch of **1st Oral Intradialytic hyperprotein supplement for Dialysis and Critical Care patients** along with Prof. Harvinder Popli in collaboration with Alniche by Sh. Anil Bajjal, by Hon'ble Lt. Governor, Govt. of NCT of Delhi on 26 July, 2019.
- **Young Teacher Award** by Operant Pharmacy Federation in 2019.

4. Prof. Rajiv Kumar Tonk

Awards

- Presented with an **Appreciation award** by The Airports Authority of India (AAI) and Central Vigilance Commission (CVC) during celebration of Vigilance Awareness Week given on the theme "Integrity- A way of life" held on 6 November, 2019.
- Bestowed with an **Appreciation award** from Deputy Chief Minister Delhi Shri. Manish Sisodiya, for Excellent academic and administrative work for session 2019-20 in the UG Orientation Program held on 22 July, 2019.

Achievements/Recognitions

- Awarded a research Project in collaboration with IIT Delhi on "**Public Engagement on Health in India**" worth Rs. 15 Lakh funded by Bill Gates Foundation.
- Invited as **Chief Guest** in the UG orientation programme organized by CBS college of Pharmacy on 23 August, 2019 at Faridabad.

5. Dr. Sushama Talegaonkar

Awards

- Received a Certificate of Appreciation as an Adjudicator in the 17th Chhattisgarh Young Scientist Congress 2019 in the year of 2019, held in Pt. Ravishankar Shukla University Raipur 2019.

- Awarded with **"Best researcher of the year 2019"** for outstanding and Exemplary contribution towards Education and Research during Inaugural Summit of Indian Education Festival, 18 April, 2019

Achievements/Recognitions

- Nominated as **Member of Editorial board**, Pharmaceutical Nanotechnology, Bentham sciences.

6. Dr. Mukesh Nandave

Awards

- Bestowed with **Distinguished Contribution Award** by Society for Promotion and Research of Cardiovascular Sciences (SPARC), February, 2020, New Delhi.
- Awarded with **CMI Level 5 Award in Management and Leadership** by Chartered Management Institute (CMI), London, United Kingdom.
- Presented with **Registration Grant Award** by International Society for Heart Research (ISHR) for attending 2019 ISHR World Congress from 3-6 June, 2019 in Beijing, China.

Achievements/Recognitions

- Sanctioned with **DST International Travel Grant** to attend International Society for Heart Research (ISHR) for attending ISHR World Congress from 3-6 June, 2019 in Beijing, China.
- Selected for **AICTE-UKIERI Technical Leadership Development Program**

7. Dr. Mahaveer Dhobi

Achievements/Recognitions

- Nominated as **Jury member** at an international conference on Herbal Drugs at Jamia Hamdard, 2019.

8. Dr. Jaseela Majeed

Awards

- Awarded as **Sustainable Leader of United Youth Circuit (UYC)** for the Achievements of United Nations Sustainable Development Goals (UN SDGs) on SDG 4, SDG 5, SDG 10 and SDG 11 on 11 May, 2019.

Achievements/Recognitions

- Nominated as **Member, Working Group** of BRICS-BioMeD Informatics Network, India Chapter on 2019.
- As a **Rapporteur** in 2019 World Conference to Access to Medical Products SDG's 2030, 19-21 November 2019, New Delhi.
- Nominated as **Honorary Scientific Expert** to African

AID, an International Non-Government organization (NGO) operating globally on 13 August, 2019.

9. Dr. Shilpa Jain

Awards

- Bestowed with **"Academic Excellence Award"** in Neuraxis 2019.
- Awarded for **Annual Performance in DPSRU** by Deputy Chief Minister (Delhi) on 13 August, 2019.

Achievements/Recognitions

- Appointed as **Judge** for Scientific Session "Tekhnologia Physiotherapy" held on 29 February, 2020.
- Appointed as **Judge** in Poster Presentation in 8th INCPT-AIIMS December, 2019.
- Invited as **Chairperson** in Physio Nexgen, held on 13-14 October, 2019.
- Invited as **Esteemed Guest** in "Apollo Geriatric Con 2019" 12 October, 2019.
- Invited and felicitated as a **Special Guest** in INTERCONNECT held on 4-11 September, 2019.
- Invited as **Special Guest** in the inaugural ceremony of Well Studio on 7 September, 2019 at Banarsidas Chandiwala Institute of Physiotherapy
- Acted as **reviewer** in SIPCON 2020, Annual Conference of Society of Indian Physiotherapists.

10. Dr. Madhu Gupta

Achievements/Recognitions

- Worked as Associate Editor in Journal of Pharmacy and Allied Health Science in 2019.

11. Dr. Keerti Jain

Awards

- Received the **Best Oral Presentation Award** in International Conference [SPER-BANGKOK 2019] "Fostering Pharmaceutical Innovations to Bridge the Gap in Pharmaceutical Research and Industry" on the topic "Anti-angiogenic dendrimers for treatment of cancer" from 3-4 October, 2019 held at Narai Hotel, Bangkok, Thailand.
- Won the **Most Innovative Idea award** for the presentation of Prototype on IOTA Healthcare solutions at Lufthansa Impact Week Delhi from 18-26 September, 2019 organized by Lufthansa Group at SSCBS, New Delhi.

12. Dr. J. Swaminathan

Achievements/Recognitions

- Led the "Team Pharmareps" which participated at **AICTE Chhatra Vishwakarma Awards (CVA)**

2019 with their innovative idea "Swayam Kala: A handicraft conduit between the rural and urban population" during AICTE Regional Level convention at Jagan Institute of Management Studies, Sector 5, Rohini held on 10 January, 2020.

- Selected for **AICTE-UKIERI** Technical Leadership Development Program.

13. Dr. Jyoti Kataria

Awards

- Awarded for **Leadership in Rehabilitation** during Varanasi Physio Conclave held on 2 February, 2020 at Vishwanath Garden and Banquet Varanasi.
- Certificate of **Appreciation and Recognition** in ACADEMICS during 8th International Conference of Physical Therapy INCPT- AIIMS New Delhi.
- **Emerging Physio Award** during Purvanchal Physiocon-II, IInd National Expo & amp, conference of Physiotherapist at Sam Higginbottom University of Agriculture technology & Sciences on 29-30 November, 2019 at Prayagraj.
- **Academic Excellence Award** in World Physiotherapy Congress-3rd International Physiotherapy Conference on 17-22 October, 2019 at Janardan Rai Nagar Rajasthan Vidyapeeth (Deemed to be University) Udaipur.
- **Distinguish Service Award** by Shri Mir Ranjan Negi (Hockey Player) for the superlative work in upliftment of physiotherapy profession and society during IInd National Sports Physiotherapy conference on 14 -15 September, 2019.

Achievements/Recognitions

- Nominated as **Scientific Committee Head**, National Physiotherapy Conference, Physio Conclave 2 in February, 2020 held at Varanasi.
- Nominated as **organizing secretary** in Certified Kinesiology taping therapist Hands on Workshop held 25-26 January, 2020.
- Nominated as **Chairperson** in 8th International Conference of Physical Therapy, held on 19-23 December, 2019 at INCPT, AIIMS New Delhi.
- Selected as **National Convener of Scientific Committee** during 8th International Conference of Physical Therapy, held on 19-23 December, 2019 at INCPT, AIIMS New Delhi.
- Nominated as **Organizing Secretary** in Certificate Course in Manual Therapy, by Manual Therapy Foundation of India MTFI at New Delhi from 12- 22 December, 2019.

- Nominated as **Consultant** at International Combat Games by International Association of Combative Sports at Talkatora Stadium held on 22-24 November, 2019 in New Delhi.
- Nominated as **Executive Chairperson** in 2nd National Sports Physiotherapy Conference NSPC held on 15 September, 2019, at P.L Auditorium New Delhi.
- Nominated as **organizing secretary** in Certified Dry Needling Practitioner Course, CDNP Program from 23- 26 August, 2019.
- Nominated as **Organizing secretary** in Myofascial Assessment and Treatment tool system course by Xtreme International Academy held from 22- 24 June, 2019 New Delhi.

14. Dr. Parul Sharma

Awards

- **2nd Best Paper Presentation Award** in International Conference on Aerospace Rehabilitation, REACH 2020 held on 14th March, 2020 at G. D. Goenka University, Gurugram.
- Awarded for **Significant Contribution in academics** in 3rd International Physiotherapy Conference, 19-20 October, 2019 at Udaipur.
- **Achrekar Physio Award** in Sportsconnect2, 2019, Dilli Hatt Auditorium, New Delhi.
- **Best Poster Presentation** award in Sportsconnect2, 2019, Dilli Hatt Auditorium, New Delhi.
- **Academic Excellence Award** in Femcon 2, 2019, Jaipur National University, Jaipur.
- **Professional Excellence Award** in Ortho-Physio Conclave 2019, Medicity hospital, Gurugram.

Achievements/Recognitions

- Invited as a **Guest Speaker** in 3rd International Physiotherapy Conference, 19 -20 October, 2019 at Udaipur.
- Invited as **Judge** in Scientific session in 3rd International Physiotherapy Conference, 19 -20 October, 2019 at Udaipur.

15. Dr. Sapna Dhiman

Awards

- Presented with **Youth Icon-VIRAT Award** during 2nd National Sports Conference of Physiotherapy" Theme: Engaging Minds, Empowering Success held on 3 March, 2019.

Achievements/Recognitions

- Appointed as **Abstract Reviewer** for Scientific

Paper Selection Process during the Fifth Annual Conference of Society of Indian Physiotherapists on January, 2020.

- Nominated as **Consultant** in Pediatric Physiotherapist for parents of children with different abilities at Reforming Lives-Foundation for Specially Abled Children on 6 October, 2019.
- Selected as **Consultant** in Pediatric Physiotherapist at Sprouts - Child Developmental Centre, during World Autism Awareness Day, held on 6 April, 2019.
- Nominated as **Chairperson** in 2nd National Sports Conference of Physiotherapy” Theme: Engaging Minds, Empowering Success held on 3 March, 2019.

DIPSAR-Faculty

1. Prof. P K Sahoo

Awards

- Awarded as **“Best Professor in Pharmacy Studies”** (Northern region) during 27th Business School Affaire and Dewang Mehta National Education Leadership Star Awards, 2019

2. Dr. Meenakshi Chauhan

Awards

- Received the **3rd Best Poster award**. Aggarwal R, Chauhan MK. Chitosan Niosomes for Controlled Delivery of Brimonidine Tartrate to the Ocular Membrane. National Forum of Pharmacy Students on National Pharmacist Day on 25 September, 2019, New Delhi, India

Achievements/Recognitions

- Selected as the Best Professor in Pharmaceutics Studies (Northern region) by Dewang Mehta National Education Leadership Awards, 2019
- Evaluator, AICTE- Travel Grant Scheme, AQIS proposal evaluation
- Delhi Pharmaceutical Trust “Waste Disposal of Expired Medicines” as Project Mentor
- Member, Peer Review Committee, INMAS
- Evaluator, Young Scientist Research Project-progress, Council of Science & Technology, Lucknow, Uttar Pradesh

3. Dr. Rajani Mathur

Awards

- Received the **Distinguished Contribution Award** by Society for Promotion and Research of Cardiovascular Sciences, India.

Achievements/Recognitions

- Elected as a **member** of National Academy of Medical Sciences, India.

4. Dr. Satish Manchanda

Award

- **YOUNG RESEARCHER AWARD**, presented at “National Conference on Challenges and Opportunities in Research & Development in Pharmaceutical and Biological Sciences (CORDPBS- 2019) on 7 November 2019, organized by ITS Haridwar in association with IPGA (UTTRAKHAND BRANCH), Motherhood University Roorkee and IDPL Rishikesh, Uttarakhand.

5. Dr. Sakshi Bajaj

Awards

- Awarded the **First prize for Poster** “Method development and validation for the simultaneous estimation of dapagliflozin and metformin in tablet formulation” at “Evolution of Healthcare at Zero gravity/Aerospace” conference on 14 March, 2020, held at G.D Goenka University Campus, Gurugram, Haryana, India
- Bestowed with **Young Researcher Award 2019** in the field of pharmaceutical sciences in the National Conference on “Challenges and Opportunities in Research and development in pharmaceutical and biological sciences (CORDPBS-2019)” organized by ITS Haridwar in association with IPGA Uttarakhand branch, Motherhood university Roorkee and IDPL Rishikesh, 3 November, 2019 at IDPL, Veerbhadra, Rishikesh, Uttarakhand, India.

Awards/ Achievements/Recognitions from DPSRU, New Delhi

DPSRU-Faculty

1. Prof. Harvinder Popli

Achievements/Recognitions

- Nominated as Organizing secretary for International Conference of Cardiovascular Sciences-2020, on February, 2020 at DPSRU, New Delhi.

2. Dr. Sushama Talegaonkar

Achievements/Recognitions

- Appointed as **Chairman, Scientific Committee**, International Conference on Cardiovascular Sciences held on 21-23 February, 2020, DPSRU, New Delhi.

3. Dr. Mukesh Nandave

Achievements/Recognitions

- Nominated as **Coordinator**, International

Conference of Cardiovascular Sciences-2020 (ICCS-2020), 21-23 February, 2020 at DPSRU, New Delhi.

4. Dr. Mahaveer Dhoobi

Achievements/Recognitions

- Nominated as **Chairperson for poster presentation session** at International Conference of Cardiovascular Sciences-2020 (ICCS-2020) from 21-23 February, 2020 at DPSRU, New Delhi.
- Served as **Coordinator** for the workshop on Issues and Challenges for the Development of Phyto-pharmaceutical Drug participated by experts from 6 countries on 26 February, 2020, at DPSRU, New Delhi.

5. Dr. Shilpa Jain

Awards

- Presented with **Best Poster Award** in International Conference of Cardiovascular Sciences -2020 held on 21-23 February, 2020 at DPSRU, New Delhi.

6. Dr. Jaseela Majeed

Achievements/Recognitions

- Nominated as **Chairperson for poster presentation session** at International Conference of Cardiovascular Sciences-2020 (ICCS-2020) from 21-23 February, 2020 at DPSRU, New Delhi.
- Served as **Coordinator** for the workshop on Issues and Challenges for the Development of Phyto-pharmaceutical Drug participated by experts from 6 countries on 26 February, 2020, at DPSRU, New Delhi.

7. Dr. Madhu Gupta

Achievements/Recognitions

- Participated in a workshop on "How to prepare Common Technical Document for Regulated Market" held on 22 October, 2019 at DIIF on occasion of Pharmacy Week 2019.
- Nominated as **organizing committee member** for organizing the Trainer Program with Lufthansa Team as Impact Week from 18-20 September, 2019 at DPSRU.

8. Dr. Ajit Kumar Thakur

Awards

- Awarded for **Outstanding Services in Registration** during International Conference of Cardiovascular

Sciences-2020 on 21-23 February, 2020 at DPSRU, New Delhi,

Achievements/Recognitions

- Nominated as **Joint Organizing Secretary** of International Conference of Cardiovascular Sciences-2020 held on 21-23 February, 2020 at DPSRU, New Delhi.
- Worked as an **Operating Officer of NAMS**, India funded CME Programme held on 22 Feb 2020 at DPSRU, New Delhi.
- Organizing Member of International Heart Symposium-2019 on 28 Nov 2019 DPSRU, New Delhi.

9. Dr. Manish Kumar

Achievements/Recognitions

- **Organizing Committee Member**, International Conference of Cardiovascular Sciences-2020, 21-23 February, 2020 at DPSRU, New Delhi.

10. Ms. Rakhi Ahuja

Awards

- Received the **Best Poster Award** for the poster presented on "Artificial Intelligence in Cardiovascular Sciences: A Revolution in Healthcare" at International Conference of Cardiovascular Science (ICCS 2020) held on 21-23 February, 2020, DPSRU, New Delhi.

DIPSAR-Faculty

1. Dr. Meenakshi K Chauhan

Achievements/Recognitions

- Appointed as **Chairperson, Scientific Session**, International conference of Cardiovascular Sciences 2020, DPSR University, Delhi, Feb 22, 2020.
- Appointed as **Chairperson, Poster paper session**, International conference of Cardiovascular Sciences 2020, DPSR University, Delhi, Feb 21, 2020.

2. Dr. Sachin Kumar

Achievements/Recognitions

- Nominated as **Chairperson for poster presentation session** at International Conference of Cardiovascular Sciences-2020 from 21-23 February, 2020 at DPSRU, New Delhi.



SHRI ANIL BAIJAL
(Chief Guest)



LIBRARY & MEDIA COVERAGE

(Mr. Shankar Sengupta & Ms. Yogita Ahuja)

Established in 1979, the Library is a well-organized information system which enables the users to find out the required document and information in minimum time.

The recently renovated library covers a total area of 4400 sq. Ft and is fully air-conditioned. The Library has been equipped with modern furniture, reprography facility and library software system. In addition to its core strength of Pharmaceutical Sciences, the library collection today is a picture of diversity with books on Physiotherapy, Pharmaceutical Management, Sport Sciences, Hospital Management and Public Health. At present, the library has more than 20000 books covering all branches of Pharmaceutical Sciences.

The Library has subscribed 59 online Journals under the life sciences package of Bentham Sciences. The Library is well equipped and stocked with latest periodicals, books, magazines, journals and other research materials to students on a wide range of subjects and subscribes 8 International Journals and subscribed to 23 National Journals. It subscribes to 6 newspapers and 12 periodicals. The library will be soon become a digital Library.

Library plays a vital role in furthering the academic, research and consultancy mission of DPSRU/ DIPSAR and facilitates creation, dissemination and sharing of knowledge in the field of Pharmaceutical Sciences and its allied subjects.

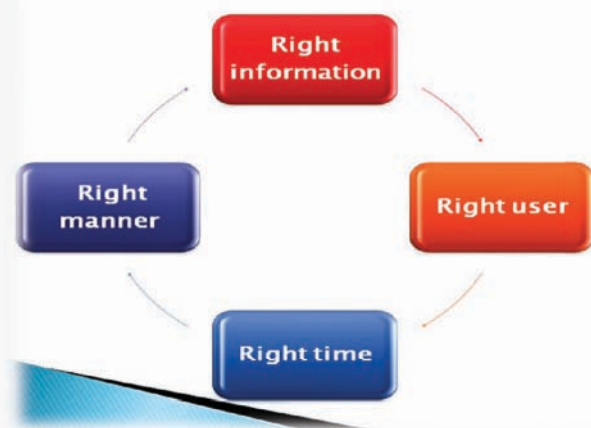


Aim

The aim of the Library is to cater to the needs of industry/all stakeholders/general public/ students/

research scholars and the faculty members of the Institute.

“Our Motive....Our Aim”



Vision for DPSRU Library

- To become an apex Resource Centre with a state-of-the-art library resources and services in the pharmaceutical sciences and its allied subject.
- To provide access to high quality information resources in all forms to the faculty, students, research scholars, stockholders, scientist, Pharmacists, industrialist & policy makers in support of teaching, learning and research mission of the Institute.
- To offer commitment of excellence in services, information resources and innovative services to support the intellectual inquiry, research and lifelong learning needs of DPSRU community.
- To build a global network of information centre on pharmaceutical sciences and its allied subject.
- To support pedagogy and R&D in pharmaceutical sciences studies.
- To manage the information resources effectively and actively promote the optimum usage.
- To achieve continuous improvement of services, facilities and resources.

Library Statistics

S. No.	Library Resources/Collection	Till Date
1.	Book	20365
2.	Journals	59 (14 International + 45 National)

3.	Magazines	12 (8 English & 4 Hindi)
4.	Newspapers	6 (English & 2 Hindi)
5.	Bound Volumes	2141
6.	Thesis	690
7.	Complementary CD/DVD	243

In the year 2019-20, the Library has added 950+ books in the field of Physiotherapy, Pharmaceutical Sciences, and its allied fields. The library has added books by leading authors in the niche areas of Regulatory Affairs, Bioinformatics, Food Regulation, Nutraceuticals and Entrepreneurship in its collection. Library subscribed to 2 International and 28 National Journals during 2019-2020.

Library Services

The library is acknowledged by the services it renders to its users. Accordingly, following services have been rendered to the users:

- Electronic News Alert
- New Arrivals Alert
- Faculty Publications Alerts
- Current Content of Print Journals
- Research and Reference Services
- Orientation programme for users
- Book Exhibition
- Training Sessions for Faculty Members and Ph.D. Scholars.

Future Plan of Library



Fully Automation of Library operations and services with RFID Technology

Implementation of Technology

- ▶ Library Automation with RFID Technology
- ▶ CCTV for security
- ▶ Install Touch screen Information KIOSK to access Web OPAC
- ▶ Install Wi-fi and power sockets for students
- ▶ Assign a I.P. range for access E-resources.
- ▶ E- brochure of Library
- ▶ Turnitin
- ▶ Remote Access of Library E- Collection
- ▶ Institutional repositories



Library Proposals

Process initiated for following new services and library operations:

- To subscribe Turnitin, it is the world's leading anti-plagiarism internet-based service:
- User awareness session organized by the library, for faculty members and research scholars under the supervision of Prof. Popli, Dean and Member Incharge, DPSRU Library.
- To subscription and Implementation of Library

Software with RFID Technology (software is finalized, subscription process started).

- Renewal and Subscription of Print Journals (National and International), Magazine, and Newspapers have been done for year 2019-20.
- Started News Alert Services
- Library Committee Constituted
- Organized Technical Demonstration/Training sessions of Turnitin

DPSRU IN NEWS MEDIA (2019-20)

ACCUPRESS

 <p style="text-align: center;">©Pharma Pulse</p> <p style="text-align: center;">Latest in Pharma / AYUSH / Chemicals / Food / Health / Medical Devices / IPR / Regulatory Affairs</p> <hr/> <p style="text-align: center;">Volume - 2 Issue - 115 13 - 19 May 2019</p>	 <p style="text-align: center;">©Pharma Pulse</p> <p style="text-align: center;">Latest in Pharma / AYUSH / Chemicals / Food / Health / Medical Devices / IPR / Regulatory Affairs</p> <hr/> <p style="text-align: center;">Volume - 2 Issue - 125 22 - 28 July 2019</p>	 <p style="text-align: center;">©Pharma Pulse</p> <p style="text-align: center;">Latest in Pharma / AYUSH / Chemicals / Food / Health / Medical Devices / IPR / Regulatory Affairs</p> <hr/> <p style="text-align: center;">Volume - 2 Issue - 129 19 - 25 August 2019</p>	
<p style="text-align: center;">Dy. CM of of Delhi inaugurates World Class Skill Centre in DPSRU</p>  <p>The orientation programme for M. Pharm., MPH, MHM and Pharm. Management students was organized by Delhi Pharmaceutical Sciences & Research University in G K Narayanan Auditorium of DPSRU. Prof. Ramesh K. Goyal, Hon'ble Vice Chancellor said that the vision of the university is to be the ultimate destination for education, training and research in Pharmaceutical Sciences and allied areas and thereby, cater the health needs of the people at large. <i>Shri Manish Sinha, Hon'ble</i></p>	 <p style="text-align: center;">©Pharma Pulse</p> <p style="text-align: center;">Latest in Pharma / AYUSH / Chemicals / Food / Health / Medical Devices / IPR / Regulatory Affairs</p> <hr/> <p style="text-align: center;">Volume - 2 Issue - 136 7 - 13 October 2019</p>	<p style="text-align: center;">DPSRU Organized Orientation Day for World Class Skill Centre Students</p>  <p>The orientation programme was organised at DPSRU. After welcome address by Prof. Harvinder Popli, Officiating Registrar of DPSRU, Prof. Ramesh K. Goyal, Hon'ble Vice Chancellor, DPSRU gave presidential address to the students and shared his vision for the university.</p>	
<p style="text-align: center;">DPSRU Organizes Hands on Training in Innovative Approach for Beauty Therapy</p>  <p>Delhi Pharmaceutical Sciences and Research University, World Class Skill Center: Beauty Consultant and Wellness department organized workshop on hands on training in</p>	<p style="text-align: center;">DPSRU ORIENTATION FOR WORLD CLASS SKILL CENTRE STUDENTS</p>  <p>The orientation programme is an opportunity for any student to learn, how to navigate this campus and will introduce World Class Skill Centre courses such as Beauty and Wellness consultant, Sports Digitalization and Performance Management, Sports Fitness and Yoga Application. Orientation can be used to build a network of resources that will help students and their parents to start their journey in better manner on the right path.</p>	 <p style="text-align: center;">©Pharma Pulse</p> <p style="text-align: center;">Latest in Pharma / AYUSH / Chemicals / Food / Health / Medical Devices / IPR / Regulatory Affairs</p> <hr/> <p style="text-align: center;">Volume - 2 Issue - 117 27 May - 2 June 2019</p> <p style="text-align: center;">NDA 2.0 MUST</p>	
			<p style="text-align: center;">Read More >></p> <p style="text-align: center;">Exploration of Erstwhile Biodiversity of Andaman & Nicobar Islands by DPSRU</p>  <p>As a follow-up of International conference on "Challenges for Global Competitiveness of AYUSH and Natural Products" and suggestion of Hon'ble Lieutenant Governor of Jharkhand Anil Bajjal, a research team from Delhi Pharmaceutical Sciences and Research University (DPSRU), Govt of NCT of Delhi headed by Vice Chancellor Prof. Ramesh</p>

DPSRU signs MOU with DIIF-RCDC-RDK-IITD and DIIF-PHD Chamber



Delhi Pharmaceutical Sciences and Research University (DPSRU) organized MOUs at DPSRU-DIIF (DPSRU Innovation and Incubation Foundation), on 28th May 2019. These MOUs are strategic in the direction of future aspirations for DIIF. DPSRU-DIIF boasts of a strength of 15 incubatees in the field of healthcare, pharmaceuticals & wellness. The incubations range from providing economical cold chain solutions, air pollution monitoring device, prosthetic limbs, an innovative disinfectant and much more. The

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select emerging markets..

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Orientation Programme of students @ DPSRU



Fresher's Orientation Programme was organized by Delhi Pharmaceutical Sciences and Research University (DPSRU), for the Academic Session 2019-20, at G.K. Narayanan Auditorium, DPSRU, New Delhi. Newly joined students of B. Pharm, D. Pharm and BPT were welcomed into the auditorium by 2nd year B. Pharm Student Volunteers who organized the programme. The Chief

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International Yoga Day, 2019 @ DPSRU

5th International Yoga Day with theme "Climate Action" was celebrated in DPSRU on 21st June, 2019 at G.K. Narayanan Auditorium. The celebration was started with lamp lighting. The Chief Guest of the day was Dr. Anil Jain who is presently working as Yoga Guru and Health Advisor in Central Govt. of India. The Guest of Honours was Dr. Arun K. Aggrawal (BOG Member), Dr. R.C. Deka (Ex-Director, AIIMS, New Delhi) and Mr. K.S. Popli (Ex-MD, IRDEA). The Registrar of University Prof. Harvinder Popli addresses the crowd with the guests. Honourable Vice Chancellor, DPSRU, Prof. R. K. Goyal enlighten the importance of practicing Yoga in daily life and journey of beginning of Yoga and Fitness Centre in DPSRU. Chief Guest Dr. Anil Jain also congratulated everyone on the occasion of International Yoga Day along with performing more advanced form of Asana and

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Hands-on Training Programme on Quality Control of Biologicals

2019-06-29



National Institute of Biologicals (NIB), an apex autonomous Institute under the Ministry of

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Orientation Programme of UG students held at DPSRU

2019-08-01

The Fresher's Orientation Programme was organized by Delhi Pharmaceutical Sciences and Research University (DPSRU), on 22nd July 2019, for the Academic Session 2019-20, at G.K. Narayanan Auditorium, DPSRU, New Delhi. Newly joined students of B. Pharm, D. Pharm and BPT attended the programme. Registration of newly joined students began at 9.00 AM. The students were welcomed into the auditorium by 2nd year B. Pharm Student Volunteers who organized the programme. The programme

DPSRU takes initiatives for making campus Swacha and Swastha Abhiyan

2019-09-15



It is well said 'Every drop makes an Ocean'. As the Prof. Ramesh K. Goyal, Vice Chancellor, Delhi Pharmaceutical Sciences and Research University (DPSRU), feels that every drop has its own significant and add value for making India 'Swachh and

www.accuprec.online

started as "Dus Ka Dum" for prevention of deadly disease like Dengue in DPSRU University on 8th September, 2019. It will be carried forward to next 10 Sunday. The faculty members actively cooperated and participated in the movement along with some students.



The faculty members namely Dr. Madhu Gupta, Dr. Mahaveer Dhobi, Dr. Ajit K Thakur, Dr. J Swaminathan, Dr. Mukesh Nandave and Dr. Keerti Jain along with students surveyed the whole campus for dengue and drained water that was left in syntax, muddy pit and on the floor. Dr. Madhu Gupta poured kerosene oil in the clogged water in order to prevent

12:26 3.13KB/s 76%

India's 1st Pharma University DPSRU signs MoU with world's 1st Pharma University CPU



Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi, the first Pharmacy University of India, has signed a Memorandum of Understanding with the world's first Pharmacy University China Pharmaceutical University (CPU), Nanjing. The MoU was signed between the Vice Chancellor (VC) Prof. Ramesh K. Garg

Hon.VC of DPSRU gets 'Pharma Ratan Award'



Vice Chancellor from Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi was conferred upon Pharma Ratan Award for Life Time Achievement. Ceremony for Pharma Ratan Award 2019 was organized on 25th November, 2019 at Hotel Crown Plaza, Rohini, New Delhi. This was a global event wherein more than hundred researchers and eminent personalities from Pharma Industry like Novartis, Cipla, and Academia from India and Abroad participated.

PHARMA TIMES

http://thepharmatimes.in/alniche

Home · New Launches

Alniche Launched Novel Product In Collaboration With DPSRU

By The Pharma Times News Bureau · July 27, 2019 · 807

New Delhi, July 28, 2019: On this day Alniche Lifesciences has launched a Novel product (Complipro / Ezepro) in Vigyan Bhavan under the graceful presence of Shri Anil Bajjal (Honourable Lieutenant Governor, Govt. of N.C.T.).

http://www.pharmabiz.com/Ne

PHARMABIZ.com

DPSRU organises one month industrial training for M Pharm students at Unichem Laboratories Ghaziabad

Our Bureau, Mumbai
Monday, July 29, 2019, 16:40 Hrs [IST]

Delhi Pharmaceutical Sciences and Research University (DPSRU) organized a one month industrial Training for M Pharm IInd Semester Industrial Pharmacy students in Unichem Laboratories, a US FDA approved plant in Ghaziabad under the guidance of Dr. Sushama Talegaonkar from the Department of Pharmaceutics, recently.

The purpose of organizing the training was to familiarise students with the industrial set up and to provide them exposure to various departments. In the training period, students worked in various departments like- warehouse, production, packaging, quality assurance, quality control, engineering, environment health and safety.

In the first week of training, students worked in production department, where they came across wet and dry granulation techniques of tablet manufacturing, tablet coating and also learnt about in-process quality control parameters. They also learnt the preparation of coating solution practically. Students saw different types of coating pan such as conventional type and perforated type of coating pans. This made students to correlate their theory aspects with practical applications.

In second week, students visited packaging and warehouse unit where they gained exposure regarding storage and labeling requirements of raw material and finished goods. In packaging, they saw packing of tablets primarily into strips and secondary in boxes and then in cartons. They also came across the bulk packaging where they saw packing of

and merits of blood donation which may lower heart attacks and developing cancer. They also conducted pharma rally from college to Vondaraguppe with igniting slogans about medication counseling in public. By performing skits on Hygiene they highlighted the importance of cleanliness in relation to diseases.

Dr. Kalam College of Pharmacy

Dr. Kalam College of Pharmacy, Avanam, Tamil Nadu on account of National Pharmacy Week organised Public rally with exemplary quotes that easily embedded in minds of public about medication safety measures. They are also involved in distributing pamphlets, posters in bringing awareness to public providing very specific information by keeping the theme in mind.

Delhi Pharma Sciences and Research University (DPSRU)

58th National Pharmacy Week was celebrated at DPSRU, New Delhi from 21st October to 24th October, 2019. The program was coordinated by Dr. Sushama Talegaonkar and Dr. Keerti Jain. The program was started with inaugural function on 21st October, 2019. Dr. Mukesh Garg, Vice president, R&D at Vyome Therapeutics Limited and Dr. R.K.

Pharma Times - Vol. 52 - No. 01 - January 2020 | 38

INTERNAL QUALITY ASSURANCE CELL (IQAC)



(Dr. Madhu Gupta & Dr. J. Swaminathan)

Internal Quality Assurance Cell (IQAC) as a post-accreditation quality sustenance measure. Since quality enhancement is a continuous process, the IQAC becomes a part of the institution's system and works towards realization of the goals of quality enhancement and sustenance. Taking the concrete step further DPSRU has established a concrete central IQAC hosted in MIS Cell of DPSRU.

Goals of IQAC

The primary aim of IQAC is:

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

Strategies

IQAC shall evolve mechanisms and procedures for:

- a) Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks;
- b) The relevance and quality of academic and research programmes;
- c) Equitable access to and affordability of academic programmes for various sections of society;
- d) Optimization and integration of modern methods of teaching and learning;
- e) The credibility of evaluation procedures;
- f) Ensuring the adequacy, maintenance and proper allocation of support structure and services;
- g) Sharing of research findings and networking with other institutions in India and abroad

Functions

Some of the functions expected of the IQAC are:

- a) Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution;
- b) Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process;
- c) Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes;
- d) Dissemination of information on various quality parameters of higher education;
- e) Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles;
- f) Documentation of the various programmes/ activities leading to quality improvement;
- g) Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices;
- h) Development and maintenance of institutional database through MIS for maintaining / enhancing the institutional quality;
- i) Development of Quality Culture in the institution;

ACADEMIC ACTIVITIES

National Institute of Biologicals (NIB) Training Quality Control of Biologicals

National Skill Development & Hands-on Training Programme on Quality Control of Biologicals for M.Pharm./Ph.D. students of Delhi Pharmaceutical Sciences and Research University, at National Institute of Biologicals, Noida. National Institute of Biologicals (NIB), an apex autonomous Institute

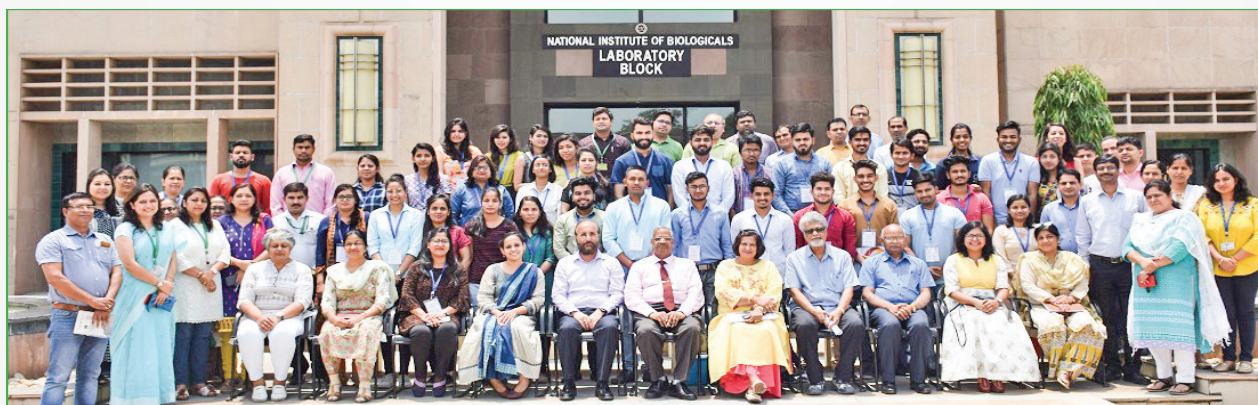
under the Ministry of Health & Family Welfare, Government of India convened twelve days training program on National Skill Development & Hands-on Training Programme on 'Quality Control of Biologicals' for M.Pharm/PhD students of Delhi Pharmaceutical Sciences and Research University, from 03-14 June, 2019. The training program was inaugurated on 03rd June, 2019 at National Institute of Biologicals, Noida and was chaired by former, ICMR Director General & Padma Bhushan Prof. N.K. Ganguly and Dr. Surinder Singh Director NIB. Along with Dr. Reba Chhabra DD (QC) Diagnostics; Dr Achla Prasad DD (QC) RPL; and the NIB scientists, bench biologists, and staff along with the faculty of Delhi Institute of Pharmaceutical Sciences and Research University (DPSRU) participated in the inaugural session. Prof N.K. Ganguly stressed the need to strengthen quality standards and control strategies in India in the disease advancing scenario. He encouraged the participants to upgrade their skills and knowledge through the training program which is the need of the hour. Dr. Surinder Singh briefed about the journey of NIB from 1990s to 2000s with emphasis on the key role of the institute in understanding the need of promoting and protecting human health.

The training was graced by the presence of Prof. Ramesh Goyal, Vice Chancellor of Delhi Pharmaceutical Sciences and Research University (DPSRU). In his presentation on the topic "Quality Control and Challenges in Biologicals" Prof. Goyal mentioned the relevance of biopharmaceuticals as a key tool in disciplines of pharmaceuticals which will help in designing the disease control strategy. Dr. Singh in his introductory remarks mentioned the need to explore the various potential biopharma

conjoint platforms and welcomed a collaboration with DPSRU agreeing on the grounds of the concurrent dynamicity of both the biological and pharma fields and come out with a unique module to work upon.

The training session for the students initiated with pre-assessment followed by lectures on GLP regulations and Biosafety practices in biomedical laboratories and disposal of biomedical wastes. The training was carried out in a structured manner with emphasis on practical learning aspects of various techniques used in biologicals covering the regulatory requirements. The students were categorized into three groups and were given hands on training on various labs including vaccine laboratory, blood products laboratory, blood serology and handled various sophisticated instruments and exposed to techniques like high performance liquid chromatography (HPLC), Capillary electrophoresis, Atomic absorption spectroscopy, Bacterial endotoxin test (BET), ELISA, PCR techniques and so on. The participants got a clear and crisp overview on Haemovigilance program of the country, challenges in the Quality control of Biosimilars, role of Artificial Intelligence in bioinformatics, Laboratory Quality Management systems (LQMS), and GMP regulations and its compliance. All the techniques were taught and lectures were delivered by eminent scientist of NIB who are working in the area of biologicals.

The high light of the training was arrangement of industrial visit by NIB to Axa Parenterals, Roorkee. The industrial visit dealt with the explanatory session by the QA/QC head right from the vendor determination criteria to the storage and distribution of the produced.



The valedictory session was chaired by Dr. Reba Chhabra and other scientists of NIB along with faculty Coordinator for training from DPSRU, Dr. Jaseela Majeed and Dr. Madhu Gupta. The gathering was addressed by Ms. Sudha, Training Unit Head and the addressing was feedback session, where two representatives from each team, gave feedback and expressed the overall experience of the training program. The participants received certificate after the training. It was decided that both the organizations will hand hold in the future endeavors.

International Yoga Day, 2019

DPSRU celebrated its 5th International Yoga Day on the theme "Climate Action" on 21st June, 2019 at the G.K. Narayanan Auditorium. The day started with lamp lighting by the Chief Guest, Dr. Anil Jain well known Yoga Guru and Health Advisor, Govt. of India. The Guest of Honour were Dr. Arun K. Aggrawal (BOG Member), Dr. R.C. Deka (Ex-Director, AIIMS, New Delhi) and Mr. K.S. Popli (Ex-MD, IRDEA). Prof. Harvinder Popli, Registrar addressed the gathering. Prof R.K. Goyal, Honourable Vice Chancellor, DPSRU, spoke on the importance of practicing Yoga in daily life and the journey of the Yoga and Fitness Centre at DPSRU. Chief Guest Dr. Anil Jain congratulated everyone on International Yoga Day. He performed many advanced forms of Asanas and motivated everyone to practice Yoga daily. Acharya C.P. Ray of DPSRU Yoga Centre made everyone practice Yoga Asanas and Pranayamas. A total of 230 participants participated in the function. The whole program was coordinated by Dr. Shilpa Jain and Dr. Rajiv Kumar. It was day to cherish for everyone involved.



Orientation Programme (UG Courses)- 2019

The Fresher's Orientation Programme was organized by Delhi Pharmaceutical Sciences and Research University (DPSRU), on 22nd July 2019, for the Academic Session 2019-20, at G.K. Narayanan Auditorium, DPSRU, New Delhi. Newly joined students of B. Pharm, D. Pharm and BPT attended the programme. Registration of newly joined students began at 9.00 AM. The students were welcomed into the auditorium by 2nd year B. Pharm Student Volunteers who organized the programme. The programme started at 10 AM in morning with the arrival of Chief Guest and other invited dignitaries, including faculty members from both DIPSAR and DPSRU. The programme commenced with the lamp-lighting ceremony.

It was followed by the playing of University documentary film, which captured every essence of the university, its ascent from the starting to where it stands today. The documentary film also emphasised upon the available courses and college specifications and extra-curricular activities conducted in college over the past few years.

This was followed by the felicitation of the invited guests. The Chief Guest, Dr. S Eswara Reddy, Drugs Controller General of India, CDSCO, was felicitated by Prof. Ramesh K. Goyal, Vice Chancellor, DPSRU. Dr. Rajiv Tonk given a brief presentation on Student Activities conducted in the University in the previous academic years. In his speech, a motivational touch by adding beautiful and inspirational lines which made the students high-spirited and enthusiastic. Prof. Harvinder Popli, Dean DPSRU, Offg. Registrar, gave a brief about the University and DPSRU Innovation

and Incubation Foundation (DIIF), which is an initiative to encourage young students to develop an innovative and enthusiastic approach who are having great ideas for the Pharmacy Industry and lead them to become successful entrepreneurs. She ended her speech with poetic and inspirational quotes.

It was followed by an address by Prof. D.P. Pathak, Director, DIPSAR. He gave an insight of DIPSAR which is now a constituent institute of the University, and once was part of the very renowned Delhi University until the year 2015.

The Vision of DPSRU was presented by Hon'ble Vice Chancellor, Prof. Ramesh K. Goyal. In his address to the newly joined students, he said that the ultimate vision of DPSRU is to be the ultimate destination for education, training and research in Pharmaceutical Sciences and allied areas and thereby, cater the health needs of the people at large. He also highlighted the achievements of DPSRU over the past few years. His motivational and inspiring words encouraged the new students and made them more positive about DPSRU.

The chief guest for the programme, Dr. S. Eswara Reddy, addressed the newly joined students of DPSRU and DIPSAR, and their parents. He laid out his vision to promote public health before the students. He also described his own work experience, including his career at CDSCO. His speech and his life's work inspired many students. He concluded his remarks with inspiring words for the invited guests.



It was followed by the Oath of Pharmacy, which was administered by Dr. Rajiv Tonk to the new students. The students pledged to uphold the laws and standards governing their professions and to contribute to the advancement of pharmacy and public health. The programme ended with the

recitation of National Anthem. Refreshment boxes were distributed to all the students and parents by the Volunteers after the end of the programme.

1st Innovative research product Launch

Delhi Pharmaceutical Sciences and Research University launched its 1st product (Complipro/ Ezepto), intradialytic ready to drink protein supplement in collaboration with Alniche Lifesciences Pvt. Ltd. on 26th July, 2019 in Vigyan Bhawan in the graceful presence of Hon'ble Shri Anil Baijal, Lt. Governor & the Chancellor, DPSRU. On this occasion, Shri Anil Baijal lauded the efforts of DPSRU and congratulated for the successful development of product.

To promote Industry Academia collaboration and to develop innovative formulations in the field of Nephrology and Critical care, DPSRU signed a Memorandum of Understanding with Alniche under the leadership of Prof. Ramesh Goyal, Vice-Chancellor, DPSRU.

Under this collaboration, Prof. Harvinder Popli (Principal investigator) and Dr. Geeta Aggarwal (Co-investigator) worked with the industry for concept to creation and formulation development.

The concept came with the identification of strong unmet medical need in the chronic kidney diseases. Protein-energy wasting is a recurrent issue and one of the highest key indicators of mortality in patients with chronic renal failure, who are on dialysis. Patients can lose upto 13g of amino acids per session of dialysis. Hence protein supplementation is of high significance in such patients. Complipro is the first ready to use high protein oral supplement to compensate intradialytic amino acid losses. The product distinguishes itself from existing options by combining right quantity of high biologic value proteins to compensate losses and maintain a positive balance during each dialysis session. Ezepto is other variant of the product designed to address the unmet needs of critically ill patients. Ezepto is aimed at avoiding muscle wasting, boosting immune function, thus early recovery in critical care patients. The formulation has a pleasant taste and coffee flavor and is available as single dose can of 150 ml for patient convenience.



Orientation Programme (PG Courses)- 2019

The orientation programme for M. Pharm., MPH, MHM and Pharm. Management students was organized by Delhi Pharmaceutical Sciences & Research University on 13th August, 2019 in G K Narayanan Auditorium of DPSRU.

Prof. Harvinder Popli, Dean & Offg. Registrar, DPSRU gave brief about the university and DPSRU Innovation and Incubation Foundation, which is an initiative of Govt. of NCT of Delhi to encourage young students to develop an innovative and enthusiastic approach, who are having great ideas for Pharmacy Industry and lead them to become successful entrepreneurs.

It was followed by address by **Prof. D. P. Pathak**, Director, DIPSAR. He gave brief about journey of DIPSAR and achievements of the students during this time.

Dr. Geeta Aggarwal, coordinator of the programme discussed about academic system and teaching

learning process of the university. She highlighted the opportunities for the students in the campus. In his address to the newly joined students, **Prof. Ramesh K. Goyal**, Hon'ble Vice Chancellor said that Students of the university are getting scholarships for research from Govt., getting placements in reputed companies and starting their own start-ups. He said DPSRU came out as the 1st Pharmaceutical university of the country because of initiatives of present Govt., although the Act of the university was passed in 2008. He highlighted that Govt. has taken initiative to start Incubation centres in the universities and because of this initiative, DPSRU has come out with the 1st Research product. University was able to start WCSC programmes and came out with unique skill course in Sport Sciences. He said that DPSRU has a determination to fill up the gaps of Pharmaceutical industry, which includes dependency on China for API and other Pharmaceutical products.





Sh. Sarpreet Singh Gill, Director, DTTE, Govt. of NCT of Delhi, as Guest of Honor of the programme congratulated students, who had secured admission in the First Pharmacy University of the India. He advocated the concept of "Think Globally & Act locally" to the students. **Sh. Ajay Dutt**, MLA, as special guest congratulated students of the university.

Sh. Manish Sisodia, Hon'ble Dy. Chief Minister of Govt. of NCT of Delhi as the Chief guest of the programme congratulated the fresher students. He praised the initiatives taken by Vice Chancellor, Prof. Ramesh K. Goyal, due to which the University is bringing up Uniqueness in numbers and quality. He complimented the University to have brought out the first research product in the Indian market for the benefit of Kidney patients and those on critical care. He said that the Govt. is supporting the DPSRU projects and will continue to support. He told that they have many schemes including matching grant, Direct project support and Govt. also wants to expand university in terms of infrastructure. He highlighted that Pharmacy is well connected to hospitals. Govt. will try to connect DPSRU with hospitals. He said that the University must contribute in building the Nation through innovation and economic developments. He said as the University is associated with health care, it could provide affordable safe and effective treatments, may be in the form of medicines or nutraceuticals. He motivated the students to come out with innovative ideas and research products for the nation.

The staff members of the university were awarded by Sh. Manish Sisodia, Hon'ble Dy. Chief Minister

of Govt. of NCT of Delhi for their extraordinary services to the university. The awardees included Dr. Rajiv Tonk as the coordinator for admissions of the university, Dr. Madhu Gupta for her contribution in establishment of World Scale Skill Centre, Mr. Hemant for his contribution in set up of auditorium of the university, Dr. Shilpa Jain for set up of OPD in Physiotherapy, Dr. Geeta Agagrwal for her contribution in the launch of 1st Innovative Research product of the university and conduct of orientation programme. At the end, Dr. Meenakshi Chauhan, coordinator proposed the vote of thanks. The programme was ended with the National Anthem.

Inauguration of World Class Skill Centre in DPSRU by Dy CM, Shri Manish Sisodia

The World Class Skill Centre of the university was inaugurated by **Sh. Manish Sisodia**, Hon'ble Dy. Chief Minister of Govt. of NCT of Delhi as the Chief guest. **Sh. Sarpreet Singh Gill**, Director, DTTE, Govt. of NCT of Delhi, as Guest of Honor and Sh. Ajay Dutt, MLA, as special guest of the programme, **Prof. Ramesh. K. Goyal**, Vice-chancellor of the university, Prof. Harvinder Popli, Registrar, Prof. D.P. Pathak, Director, DIPSAR and other dignitaries were also present in the program.





Sh. Manish Sisodia Ji addressed the gathering and enlightened the students about how effective utilization of their six hours in a day can make them outstanding professionals and contribute to the development of the society as well as to groom their skill. He praised the initiatives taken by Vice Chancellor, Prof. Ramesh K. Goyal, due to which the University is bringing up Uniqueness in numbers and quality. He complimented Prof. Goyal for his visionary approach and taken university at a next level. **Sh. Sarpreet Singh Gill** motivated the students by stressing on the importance of academics and how they can excel in the same by hard work and dedication. The program then continued with remark of **Sh. Ajay Dutt** who believe the concept of "Think Globally & Act locally" to the students.

The whole program was coordinated by Dr. Madhu Gupta and she was also awarded by Sh. Manish Sisodia, Hon'ble Dy. Chief Minister of Govt. of NCT of Delhi for her extraordinary services to the university and for her contribution in establishment of World Class Skill Centre. The programme was ended with the National Anthem.

World Physiotherapy Day

A poster competition was organized by School of Physiotherapy on World Physiotherapy Day on 6th Sept. 2019. 32 entries for participation were received from students of BPT 1st, BPT 3rd, BPT 5th and BPT Final 7th semester. The first prize winner Falguni Sharma received a cash prize money of Rs. 5000, Noor Sagoo and Yashika received Rs. 3000 and Manpreet and Komal received Rs. 2000. Besides these five other consolation prizes of Rs. 1000 each were also received by the students and ten others also received exciting gifts on Annual Day Celebration of DPSRU.



Orientation Day Programme for 2nd Phase students WORLD CLASS SKILL CENTRE (WCSC) STUDENTS

The orientation programme is an opportunity for any student to learn, how to navigate this campus and introduce World Class Skill Centre courses such as Beauty and Wellness consultant, Sports Digitalization and Performance Management, Sports Fitness and Yoga Application. Orientation can be used to build a network of resources that will help students and their parents to start their journey in better manner on the right path. Orientation Programme for WCSC students was organized by Delhi Pharmaceutical Sciences and Research University, on 17th Sept. 2019.

The program started with lamp lighting ceremony by the esteemed dignitaries of the University by Chief Guest Dr. O.P. Shukla, Joint Director, Plg. Branch DTTE, Delhi, Prof. Ramesh K. Goyal, Hon'ble Vice Chancellor, DPSRU, Prof. Harvinder Popli, offg. Registrar, DPSRU, Dr. Madhu Gupta, Offg. Chief Operating officer, DPSRU-WCSC, Mr. Anshul Bagai, Director ASSRM.

Prof. Popli shared her view about youth skill and discussed how they can be more progressive. After that, Prof. Goyal gave the presidential address to the students and shared his vision for the university and world class skill centre concept.



The vision and mission of opening the various world class skill centres in Delhi was shared by Dr. O.P. Shukla. The vision is to provide world class skills to the youth of India by imparting world class training, training technologies and world class physical environment and skill the students at the institute are valued assets of the country who are qualified for global opportunities as well.

The session was continued with the brief introduction and scope of cosmetics in market by Offg. Chief Operating Officer and Beauty and Wellness consultant coordinator, Dr. Madhu Gupta, followed by brief introduction about the course by Sports Digitalization and Performance Management coordinator Mr. Anshul Bagai and Ms. Disha Vats.

The very knowledgeable session was followed by interactive session for the students where they asked doubts about career opportunities and skills required for the same. The programme ended with a vote of thanks by Dr. Madhu Gupta,



the programme coordinator followed by National anthem.

Lufthansa Impact week at DPSRU, New Delhi

The Impact Week is a program which promotes innovation and entrepreneurship in emerging economies as the basis for sustainable growth. With the help of the creative design thinking method, we enable students to develop solutions for challenges in their community and to eventually start their own business. Master Coach of Impact Week: Alexander Grots, a world renowned Design Thinking Guru from Germany.

Delhi Pharmaceutical Sciences & Research University boasts of being the first pharmaceutical university in India. Moreover, the university is the ground for research & innovation in the field of pharmaceutical sciences.

A step in this direction was taken last year when the university and DPSRU Innovation and Incubation Foundation (DIIF) hosted the first Lufthansa Impact week at its campus. The university is proud to welcome innovation once again with the second edition of Lufthansa Impact week in its premises on 18th September 2019. A total of 16 senior trainers & more than 15 junior trainers of different international origins landed in DPSRU to kickstart the Impact week.

These trainers would train 50 trainers from DPSRU & two partnering institutes Ambedkar University & Shaheed Sukhdev College of Business studies under the Train the Trainer program. Further all these trainers will train more than 150 students, from 23rd September 2019 to 26th September 2019, on the process of design thinking to foster innovation.



The audience at the Lufthansa Impact week inauguration at DPSRU was a witness of the inspirational address by the Guest of Honour, Mr. Mohit Gambhir, Innovation Director at MHRD Innovation Cell. He emphasized on the importance of innovation to lead India towards bigger growth. The program also saw the participation of Ms. Geetika Dayal, Executive Director, TIE-NCR chapter, Professor Jatin Bhatt, Pro-Vice Chancellor, Ambedkar University & Ms Sonia Sanjay Sinha, an eminent social worker in public health space and finally the closing remarks and vote of thanks was proposed by Mr. Abhinav Agarwal, Chief Innovation and Strategic Officer, DIIF.

The Vice Chancellor of DPSRU Prof. Ramesh K Goyal inspired the audience with his words, highlighting the need of multidisciplinary approach in education & innovation. Professor Dr. Harvinder Popli, Officiating Registrar & Director, DIIF motivated the audience to completely immerse in the experience of learning, ideating & innovation which the Lufthansa Impact week & the design thinking brings.

The energy & enthusiasm of trainers & students has begun to rise with the infectious energy that the International Design thinking trainers bring & we expect to see the fructification of this energy in the form of product prototype on the day of pitch- in presentation on 26th September, 2019.

DPSRU takes initiatives for making campus Swacha and Swastha Abhiyan: 8th Sept. 2019 "Dus Ka Dum" (10 Sunday;10 Hrs; 10 Min. with 10 Satff Members)

It is well said 'Every drop makes an Ocean'. As the Prof. Ramesh K. Goyal, Vice Chancellor, Delhi Pharmaceutical Sciences and Research University (DPSR University), feels that every drop has its own significant and add value for making India 'Swachh and Swastha'. Delhi Chief Minister, Mr. Arvind Kejriwal Ji launched an awareness campaign for the prevention of Dengue and Chikungunya. To make effective this campaign, and put forward the combined efforts with DPSR University team, Prof. Ramesh K. Goyal takes initiatives by checking DPSR University for any possible sources of stagnant clean water, water lodging which can lead

to the breeding of Aedes Mosquitoes which spread the vector borne diseases at least 10 Sunday.



To make effective and have a contribution to this campaign, the Dengue prevention movement and DPSR University Swachhatha and Swastha Abhiyan was started as "Dus Ka Dum" for prevention of deadly disease like Dengue in DPSR University on 8th September, 2019. It will be carried forward to next 10 Sunday. The faculty members actively cooperated and participated in the movement along with some students. The faculty members namely Dr. Madhu Gupta, Dr. Mahaveer Dhobi, Dr. Ajit K Thakur, Dr. J Swaminathan, Dr. Mukesh Nandave and Dr. Keerti Jain along with students surveyed the whole campus for dengue and drained water that was left in syntax, muddy pit and on the floor. Dr. Madhu Gupta poured kerosene oil in the clogged water to prevent mosquitoes from breeding. The long grass in the campus was trimmed and the various measures were taken for inhibiting the breeding of mosquitoes along with cleaning of drains by some workers. Students also enthusiastically participated in cleaning of various places in campus having clogged water.

World Heart Day

World Heart Day was celebrated at DPSRU, on 01st October 2019 at 11:00 a.m. in Board Room, Delhi Pharmaceutical Sciences & Research University, New Delhi. Invited Talk on "Bone Morphogenic Protein 7 Attenuate Inflammation induced Novel Form of Cell Death Pyroptosis and Adverse Heart and Muscle Remodeling" by Dr. Dinender K. Singla, Professor and Head, Division of Metabolic and Cardiovascular Sciences, Burnett School of Biomedical Sciences, College of Medicine, University of Central Florida, USA on 01st October 2019. Poster Exhibition on Lifestyle-

related Disorders was organized by Department of Pharmacology and Pharmaceutical Biotechnology,

DPSRU, New Delhi under the coordination with Dr. Mukesh Nandave and Dr. Ajit Kumar Thakur.



58th National Pharmacy Week Celebration

58th National Pharmacy Week was celebrated at DPSRU, New Delhi from 21st -24th October, 2019. The program was coordinated by Dr Sushama Talegaonkar and Dr Keerti Jain. The program was started with Inaugural function on 21st October. Dr. Mukesh Garg, Vice president, R&D at Vyome Therapeutics Limited, and Dr. R.K. Khar, Principal, Anangpuria College, Faridabad were the chief guests, Prof D. P. Pathak, Director, DIPSAR, Prof Popli, Offg Registrar, DPSRU graced the occasion. On Inaugural day, Pharma Rangoli competition was organized. The theme for Rangoli competition was "Safe and Effective Medicines where more than 50 students participated in the event. On Day 2, a workshop on Common Technical Document was conducted by Dr. Jitendra Badjatya, Head, Drug Regulatory Affair, Umedica Laboratories Pvt Ltd more than 50 students and Faculty members attended this workshop. On Day 3 Debate and poster competitions were organized. The chief guest for the event was Dr. Anil Jain, Yoga Guru and Health Advisor. The debate competition was conducted in two sessions- e-pharmacy- boon or bane and OTC- boon or bane. Around 30 students were participated in this event. The poster competition was conducted where 50 posters were displayed in Department of Pharmaceutics under two categories- Scientific and general. On day 4 valedictory function was organized. Dr Sanjay Sharma, Head, Lifesciences, was the chief guest. Certificates were distributed to the winners of various competitions and volunteers.



Convocation 2019

Delhi Pharmaceutical Sciences and Research University celebrated its 2nd convocation on 15th November 2019, which became a memorable day for the students of various disciplines of the University when they were rewarded with the fruits of the hard work at the University Campus.

As black hats were tossed in air, the sky was filled with elation. The celebration of graduation day is matchless with any other event. It is the stepping stone for the arrival of maturity and responsibility, which makes the heart go trembling.

The Event was graced by **Hon'ble Lieutenant Governor Shri Anil Bajjal, The Chancellor;** Former Director General CSIR Dr. Samir K. Brahmachari, Chief Guest and Hon'ble Dy CM of GNCTD Shri Manish Sisodia, Guest of Honor.

The Hon'ble Chancellor, Chief Guest, Guest of Honor, Vice Chancellor and other dignitaries formed part of the Convocation procession of learned scholars and teaching fraternity of the university.

A warm welcome was extended and Convocation was declared open by Hon'ble Chancellor Shri Anil Bajjal. A galaxy of eminent educationists and scholars were present on the occasion. Prof. Shridhar Dwivedi, Chairman Board of Governor; Dr. G. N. Singh, Former DCGI; Shri S. S. Gill, Director DTTE; Dr. R.C. Deka, Former Director, AIIMS; Dr. Arun Kumar Aggarwal, Former Dean, MAMC, Additional DG, DGHS, Govt. of India; Prof. S.K. Gupta, Distinguished Professor DPSRU; Prof. Ramesh K. Goyal, Vice Chancellor and Prof. Harvinder Popli, Registrar DPSRU were also present on the dais.

A total of 166 students including UG students of 1st batch of B. Pharm. and PG students of 2nd & 3rd batch of M.Pharm, MBA in Pharmaceutical Management, Masters in Public Health (MPH) and Masters in Hospital Management (MHM) were conferred degrees by Hon'ble Chancellor of the university.

Prof. Ramesh K. Goyal, Vice Chancellor, presented Annual Report of the University before the august gathering and elaborated the achievements and progress made during this year by the University. The details given brought feelings of contentment and pride reflected in rounds of applause. Shri Manish Sisodia, Hon'ble Dy CM of GNCTD encouraged students in developing small or big scale business. He stressed on students not to be a job seeker but be a job provider.



Dr. Samir K. Brahmachari, Chief guest reminded the student fraternity to be bold enough to face the challenges of life and to be innovative. Sh. Anil Bajjal, Hon'ble Chancellor & Lt. Governor NCTD gave presidential address and appreciated growth of the University in terms of research & innovation.

Hon'ble Chancellor awarded the meritorious students with academic excellence awards. The awardees included Ms. Ashi Siddiqui (Jindal Gold Medal), Mr. Ravi Kumar Yadav (Prof. S. K. Gupta Gold Medal), Ms. Priyanka (Vijayin Alniche Gold Medal), Ms. Saba Abidi (Vice-Chancellor Award), Ms. Ankita Kumar (The B. D. Miglani Award and S. L. Nasa Hospital Pharmacy Foundation Award), Ms. Pooja Pithambaram (LG Trophy Award) and Mr. Gudimetla Kowshik & Mr. Juluru Anudeep (Jwalat Alniche Gold Medal). The students felt ebullient by walking on stage wearing the traditional academic regalia, in front of their friends and parents, who have supported them in each and every highs and lows of their endeavor.

The Convocation concluded with a vote of thanks proposed by Registrar and the return of the academic procession.

Management Forum: The Next Horizon of Innovation in Pharma

Demands are moving towards a higher level. For advanced and better healthcare affordability and accessibility, the pharmaceutical industry has set in motion to ascend. This is coupled with the shift in innovation, from treatment to prevention, diagnostics to complete cures, changing paradigms in innovative business models. The pharmaceutical industry has widened towards areas such as Artificial intelligence in diagnosis of diseases, 3D printing, Digital Marketing and Nanotechnology, Precision Medicine and many more.

School of Allied Health Sciences, DPSRU in association with DIIF and DPSRU- BioIncubator announces its 2nd management forum, with the theme 'The Next Horizon of Innovation in Pharma' on 19th November 2019. The event was organized under the inspirational leadership of Prof. Dr. Harvinder Popli, Offg Registrar & Dean, DPSRU in the vision and guidance of Prof. Ramesh Goyal,

Vice Chancellor of DPSRU, New Delhi. Around 120 students participated in the forum from DIPSAR, DPSRU and other universities of Delhi-NCR. The event consisted of interactive lectures from industry experts and activities like Pharma Quiz and Case Study Competition for participant students. The event started with welcome address from Prof Harvinder Popli who also shared that the objective of the forum is to propagate and nurture the skills to enhance the understanding of the health prerequisites so as to agree on the priority areas for future work and develop a roadmap for action

The chief guest to grace the event was Dr. N Subramanian, Director of Medical Services, Indraprastha Apollo Hospital, New Delhi while Guest of Honor was Shri Rajiv Gulati, Consultant, Mentor & Entrepreneur and Founder-Director of mChemist. Other eminent industry experts, Mr Vivek Malhotra, Sr Director-Asia Region, Phillips

Medisize and Dr. Vikram Munshi, Founder-WhiteSpace Consulting & Capability Building also delivered their interactive talks on topics "Drug Delivery & Connected Health" and "The Emerging Importance of Patient Centricity in Healthcare" respectively.

The event was made more interactive and fun filled with inclusion of activities like Pharma-Quiz and Case Study competitions for participant students. The judges' panel included Prof Harvinder Popli, Ms Abhilasha Abhay Gupta, Ms Reena Bhattacharya and Ms Nupur Goel.

The forum provided a wonderful opportunity for all the participants to meet and collaborate with the knowledge front runners from diverse areas of healthcare industry and to augment and promote the understanding of prerequisites in the area of innovation in Pharma industry and in overall Indian healthcare system.



DPSRU organized 70th Constitution Day Celebration

Delhi Pharmaceutical Sciences and University (DPSRU) celebrated 70th Anniversary of Constitution Day on 26th November 2019 at 11:00 a.m in the G.K Narayanan Auditorium. NSS volunteers along with the university's teaching and non-teaching staffs actively participated in the event. Event commenced with an informative speech by Nazia Warzi, NSS DPSRU Volunteer about the constitution day which is celebrated every year on 26th November in our country with remembrance of Dr. Bhimrao Ambedkar,

the creator of the Constitution on 26 November 1949, the Constituent Assembly of India formally adopted the Constitution of India.

Reading of the preamble to the Constitution by our Registrar Prof. Harvinder Popli and Prof. D.P. Pathak, Director, DIPSAR, Dr. J. Swaminathan, University NSS Coordinator, Mr. Ankit Goel, Section officer (Law), Teaching staffs, Non-Teaching staffs and students get together reading the Preamble of the Constitution of India to commemorate the adoption of constitution of India during the Constitution Day /National Law Day (Samvidhan Divas) dated 26.11.2019.



DPSRU Vision 2030

To be the ultimate destination for education, training and research in pharmaceutical sciences and allied areas and thereby cater the health need of the people at large. To develop core competency in pharmaceutical sector and contribute in building leaders, administrators and personnel who can take up responsibilities as pharmaceutical science professionals appropriate for community, institutions and industries on health and management related fields. The meet for Vision 2030 was conducted on 15th December, 2019 and February, 2020 and the objectives were curated with a discussion among the faculty and staff who have joined hand to work for this collective aim of the university in coming decade.

- To have comprehensive, multidisciplinary institute for learning and research with holistic approach towards pharmaceutical sciences.
- To provide infrastructure and research facilities for the dissemination of the advanced knowledge to the students in various branches pharmaceutical sciences through innovative teaching-learning processes with interdisciplinary approach such that they propagate their wisdom to acquire all kinds of knowledge and generate new ideas
- To educate and train manpower for the development of the country and establish linkages with industries for the promotion of science and technology through several health-related courses in MLT, GNM, and X-Ray Technology
- To cultivate the spirit of embracing internationalism/ diversity and competitiveness/ competition amongst students such that novel and creative ideas

are harnessed, leading to unique discoveries and inventions, for the advantage of society at large.



Awareness Programme on the Prevention & Spread of Noval Corona Virus (COVID-19)

In the recent outbreak of Corona Virus globally and to secure India from its attack, an Awareness programme on the Prevention and Spread of Noval Corona Virus (COVID-19) was organized by the Departments of Public Health and Hospital Management of the School Allied Health Sciences of Delhi Pharmaceutical Sciences and Research University on the series on 1st March 2020 and 6th March 2020.



Programme objective

To create awareness and educate the University students, faculty, staff and local community regarding preventive intervention techniques that would help in reducing the transmission of the disease.

Highlights of the program

- Six awareness sessions were conducted for the diploma and undergraduate students of Pharmacy, Physiotherapy and Sports Sciences in different lecture theatres in DPSRU and DIPSAR. A separate session was also organized for the administrative and housekeeping staff of the University.
- Awareness Poster Gallery Session: The master's students had presented posters on the awareness on corona virus.
- The students demonstrated and educated about the following aspects of the disease:
 - a) Origin and prevalence of the disease
 - b) Signs and symptoms of the disease
 - c) Prevention and control measures

- d) Hand hygiene and handwashing technique
- e) Correct way of wearing mask
- f) Travelling advice

Outcome of the program

- The students, staff and local community people were sensitized about the spread of Corona Virus and its prevention. Around 250-300 pamphlets were distributed and posters were displayed in and around campus. This is an evolving situation, and timely and accurate information is critical. Educating students and staff about positive preventive measures, talking to them about their fears, and giving them a sense of some control over risk of infection helped in reducing their anxiety. The students and faculty of Allied Health Sciences put sincere efforts in creating awareness on the deadly disease.
- Faculty Coordinators for the Awareness Programme: Dr. Jaseela Majeed, Dr. Puneeta Ajmera, Dr. Sheetal Yadav, Dr. J. Swaminathan, Ms. Rakhi Ahuja



COLLABORATIONS

The premier and the first Pharmacy University of India, Delhi Pharmaceutical Sciences and Research University signed MoU with the world's first Pharmacy University, China Pharmaceutical University, Nanjing, China

Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi, the first Pharmacy University of India, has signed a Memorandum of Understanding with the world's first Pharmacy University China Pharmaceutical University (CPU), Nanjing. The MoU was signed between the Vice Chancellor Prof. Ramesh K Goyal, DPSRU and the Vice President, CPU Prof. Lingyi Kong, on October 21, 2019 in the presence Dr. Mahaveer Dhobi, the faculty from DPSRU and other staff members of CPU.

This MoU will enable free research collaboration with CPU. It is also planned to have some unique postgraduate level programs in International Pharmacy Economics & Trade, International Drug Regulatory Affairs, Medical Artificial Intelligence and Sports Pharmacy, and Integrated Ayurvedic & Chinese Traditional Medicines for formulation development as well as clinical trials as per the requirements of both the countries. This MoU will allow student exchange, faculty exchange and development of history of pharmacy museum in the University.



DPSRU Signed MOU with Apollo Hospitals Educational and Research Foundation (AHERF)

A memorandum of Understanding (MoU) was signed between Delhi Pharmaceutical Sciences & Research University (DPSRU) and Apollo Hospitals Educational and Research Foundation (AHERF) on November 20, 2019 by Prof. Harvinder Popli, Offg. Registrar, DPSRU and Prof. N. K. Ganguly, President, AHERF. Professor Ramesh Goyal, Honourable Vice Chancellor, DPSRU, Ms. Jayanthi Swaminathan, Senior General Manager,

AHERF, Dr. Sunita Kumari, Chief Course Administrator, Apollo Research and Innovations and faculty from DPSRU graced the occasion. Major objective of this MOU is to promote research training and apply for joint research project(s). Additionally, this MOU is to initiate the joint course "Postgraduate Diploma in Clinical Research (PGDCR)" to train, research professionals and equip them with the critical skills needed to develop and promote scientifically valid and ethically appropriate clinical research. Also, to train and provide internship to the physiotherapy interns and equip them with the clinical skills. DPSRU and AHERF will now engage in providing opportunities for both staff and students to use for maximum the expertise and facilities available in both the organizations through training of students/ staff and through exchange of thoughts by brain storming sessions/seminars/workshops and meetings. MOU signing ceremony at DPSRU was coordinated by Dr. Mukesh Nandave.



DPSRU Signed MOU with Fasa University of Medical Sciences (FUMS), Avicenna Sq., Fasa, Fars, the Islamic Republic of Iran

Delhi Pharmaceutical Sciences and Research University, New Delhi has signed Memorandum of Understanding with Fasa University of Medical Sciences (FUMS), Avicenna Sq., Fasa, Fars, the Islamic Republic of Iran on 22 November 2019, through the collective efforts of Prof. Rajiv Kumar Tonk and Dr. Mohammadhassan Meshkibaf.

The purpose of this MoU is to establish a framework for collaboration in the field of research and/or training held in common between the two universities. The life of this MoU will be five years from the date of signing.

EXPERT TALK COLLOQUIA LECTURE SERIES 2019-2020

DPSRU Colloquia lectures were held in this period. The speakers were from different fields of study and expertise. All the lectures were well attended.

S. No.	Guest Lecture	Title	Date	Guest/Contact Details
1.	Interactive Session	Pharma Marketing - Recent Scenario	17th June 2019	Mr. Salil V. Sahasrabudhe, DGM Marketing, Micro Labs
2.	Interactive Session	Role of herbal research in current scenario	11th July 2019	Mr. Narender Bhatt, IASTAM, PUNE
3.	Interactive Session	Significance of interdisciplinary research	24th July 2019	Prof. Minaketan, Universitii tehnologii of Mara, Malaysia
4.	Interactive session	Higher Studies at University of Southern California	22nd Aug. 2019	Mr. Steven Stumph, Admission Counsellor, University of Southern California
5.	Interactive session	Computer application and its importance in Pharmaceutical profession and role in artificial intelligence	27th Aug. 2019	Mr. Manas Ranjan, Cognitrx, MD
6.	Guest lecture	Recent updates in Pharmaceutical Chemistry	2nd Sept. 2019	Dr. Mahesh Chabriya, Principal, L.M. college of Pharmacy, Ahmedabad
7.	Guest lecture	Use of Near IR spectroscopy as PAT Tool	13sept. 2019	Prof. Preeti Mehta, Head Department of Pharm Analysis, Nirma University, Ahmedabad
8.	Guest Lecture	Skin & Hair care through natural herbal treatments /Ayurveda	7th Nov. 2019	Dr. Charu Sethi Faculty of Shahnaz Husain Institute
9.	Guest Lecture	Scientific Uniting and Communication to Journal	12-Nov-19	Dr. M. Ramanathan, PSG College of Pharmacy, Peelamedu, Avinashi Rd, Coimbatore, Tamil Nadu 641004
10.	Expert talk	Use awareness session on Bentham Science and Ginger	9th Dec 2019	Mr. Ashiah Chaddha, Mr. UditTomar
11.	Interactive Session	Interactive session on present research scenario	10th Dec. 2019	Dr. Subbu Apparsundram, USA
12.	Expert talk	Hair Care, Hair cut and Hair Styling	21-01-2020	Ms. Khampui Thaimai, Assistant Professor at Pearl Academy, New Delhi
13.	Interaction	Cosmeceutics: Present scenario and market status	27th Jan. 2020	Dr. Rajiv Duggal, Director, Pheasantz Pharma Solutions Pvt. Ltd.
14.	Interaction	promote Academics and Research in Physiotherapy	03-02-2020	Mr Carston Diers, CEO Diers Corporation, Germany
15.	Guest Lecture	Exercise Prescription	03-02-2020	Prof. Priyanshu Rathod, Prof. and Director, R K University, Rajkot, Gujrat
16.	Interaction	Changing trends in sports and uplifting the standards of the performance of sports persons	13.02.2020	Ms. Niti Rawat, Sports Commentator Email id- rt.neeti@gmail.com
17.	Guest Lecture	Prospect of collaboration with chinese University	13.02.2020	Mr. Subhankar Mukhopadhyay, Former-Public Relation Officer, CPU, International students and PG Scholar at China Pharmaceutical University, Nanjing
18.	Guest Lecture	Higher education/research opportunities in Oxford University	17-02-2020	Ms. Shruti, Editor, For peer reviewed Medical Journals for sage Publications



Glimpses of Lectures and Interactions



CONFERENCE, SEMINAR AND WORKSHOPS



(Dr. Mukesh Nandave)

The International Conference of Cardiovascular Sciences-2020 (ICCS-2020), DPSRU, New Delhi

Delhi Pharmaceutical Sciences and Research University (DPSRU) successfully concluded a three-day International Conference of Cardiovascular Sciences- 2020 (ICCS-2020) held during 21-23 February, 2020. The conference was inaugurated by Dr. Randeep Guleria, Director, AIIMS in the presence of Prof. Ramesh K. Goyal, Vice-Chancellor, DPSRU, Prof. Harvinder Popli, Officiating Registrar, DPSRU, Prof. CC Kartha, President, IACS – India Section, Prof. NS Dhalla, Founder, International Academy of Cardiovascular Sciences (IACS), Prof. SK Gupta, Emeritus Professor, DPSRU, Prof Raja Babu Panwar, Vice-Chancellor, Rajasthan University of Health Sciences, Jaipur, and Dr. Mukesh Nandave, Coordinator, ICCS 2020. Prof. C.C. Kartha, Prof. Harvinder Popli, Dr. Rajani Mathur and Dr. Mukesh Nandave were awarded for their distinguished services in cardiovascular sciences.

With the theme “connect between basic scientists, clinicians including cardiologists and academicians from medical as well as pharmacy colleges”, this majestic international conference witnessed participation of over 600 delegates, 80 speakers from various parts of India and 9 countries. Cardiologists, cardiovascular scientists and young investigators deliberated to solve the problem of heart diseases through programs on awareness on prevention, diagnosis, rationale treatment and new research. Mr. Khirwar addressed the need for connecting hospitals, Mohalla Clinics

with Pharmacy University. A mega health camp for a free screening of lifestyle related disorders was also organised in collaboration with Rotary Club of Delhi Central. Camp was inaugurated by Mr. Sanjeev Khirwar, Principal Secretary, Health & Family Welfare, Delhi Govt., Mr. Ajay Dutt, MLA (Aam Aadmi Party) also joined for the inauguration.

Over 400 participants took Hands-on Training on Cardio-pulmonary resuscitation (CPR) given by Dr. K. K. Agarwal, President, Heart care Foundation of India. The scientific sessions of ICCS-2020 included 15 thought provoking sessions including lectures on translational research for cardiovascular injuries in the battlefield, medical devices for cardiac care, clinical cardiology cases, artificial intelligence and its applications in CV research, advances in nutritional interventions for cardiometabolic diseases.

Valedictory function was organised on 23rd Feb in the august presence of Dr. Dhananjay Sable, and Dr. N. Subramanian, Director, Indraprastha Apollo Hospital, New Delhi. Total 25 awards were given to young investigators including post graduate students for their best oral and poster research paper presentations. The conference was organized under the leadership of Prof. Ramesh K. Goyal, Chairman, Prof. Harvinder Popli, Organising Secretary, and Dr. Mukesh Nandave, Co-ordinator; with active support of Dr. Rajani Mathur & Dr. Ajit Kumar Thakur, Joint Organizing Secretaries along with the Organizing Committee Members.





Mega Health Camp-HEALTHON

Delhi Pharmaceutical Sciences and Research University (DPSRU), Rotaract Club of DPSRU, along with Rotary Club Delhi Central, organized HEALTHON – A Mega Health Camp on February 21, 2020, the first day of International Conference on Cardiovascular Sciences (ICCS-2020), also held at DPSRU. Through this initiative DPSRU tried to move ahead with its one of many objectives to contribute in the health and well-being of those in the community.

The camp was organized on 21st February 2020 (Friday), from 9 AM to 3 PM in DPSRU Campus. The Chief Guest for the Health Camp, Mr. Sanjeev Khirwar, IAS, inaugurated the Health Camp along with Guest of Honour, Mr. Sanjay Aggarwal, Vice President, PhD Chamber and Mr. Ajay Dutt, MLA. Prof Dr Ramesh K Goyal, Vice Chancellor- DPSRU and Prof Harvinder Popli, Registrar-DPSRU welcomed the guests and participants to the camp.

Rotarians from Rotary Club Delhi Central were also present, including President Rtn. K S Popli. He praised Rotaract and youth conducting the service projects on their own and for organizing the health camp at DPSRU. The dramatic society of DPSRU 'Fitoor' performed a Nukkad Natak on health awareness towards cardiovascular and other life style diseases.

The Health Camp included full body check-up including Blood Tests, Diabetes Check-up, ECG and Lipid Profile, Blood Pressure and Urea Testing and so on. Eye and Dental Check-up were also conducted in the Health Camp, in vans from Rotary Eye Care Centre and Rotary Dental Centre. More than 50 ECGs were done on the day of camp.

The Camp included awareness sessions on Nutrition and Yoga, Workshop on Cardiac Resuscitation by Dr. K.K. Aggarwal and Awareness on Menstrual Hygiene, including free distribution of Sanitary Napkins by SPER Women Forum. Over 300 participants learned the technique of Cardiac Resuscitation during the workshop.

Over 500 people including, students, teachers of university and people from outside communities attended the Health Camp and got free health Check-up at DPSRU. All the invited doctors and outside volunteers were felicitated at the end of the camp and the student volunteers of Rotaract Club of DPSRU and DPSRU Public Health and Hospital

Management programs exhibited excellent coordination in managing the entire event. Overall, the Mega Health Camp organized for the first time by DPSRU was successful as hundreds of employees, their family members and the citizens from local community got benefitted from it.



NAMS Sponsored CME Programme

Hands-On Training and Workshop on: Utilising Artificial Intelligence and Innovative Practices to Strengthening Cardiovascular Health was held on 22nd February, 2020 at Delhi Pharmaceutical Sciences and Research University, New

Delhi-110017 with funding from National Academy of Medical Sciences, New Delhi, India. The CME program was coordinated by Dr. Ajit Kumar Thakur as Program Operating Officer under the guidance of Prof. Ramesh K. Goyal, Prof. H. Popli and Dr. Mukesh Nandave.



DPSRU Organized Hands on Training Workshop on Microfluidizer and Its Role in Development of Nanodelivery Systems

Delhi Pharmaceuticals Sciences and Research University (DPSRU) organized "Hands on training on microfluidizer and its role in development of Nanodelivery systems" on 27th June 2019 at 10:00 am at board room. The event was started with felicitation of guests followed by lamp lighting. The guest of the event was Mr. Adeel Mahdi manager sales and Mr. Vivek Kumar, sales and service Engineer of Trident equipments private limited, Mumbai. The Hon'ble Vice Chancellor,

delivered the importance of systematic research in Pharmaceutical Field. Mr. Adeel Mahdi also congratulated students for getting such a useful instrument for preparation of their nanoformulations to get desired results with it and explained its technical aspects as well as its practical and technical aspects. Mr Vivek demonstrated and gave hands on training on microfluidizer to almost 50 students batch wise in the batch size of 5-8 per each. The whole program was coordinated by Dr. Madhu Gupta. Everyone learnt about the aspects of microfluidizer in nanodelivery systems and lastly certificate took place after interactive session with experts.



World Class Skill Centre at DPSRU Organised the Academic Week

The Academic Week was programmed from 10th February 2020 till 12th February 2020 for the students of sports Fitness and Yoga Application and Sports Digitalization and Performance management of World class skill Centre. It was conducted under the guidance of Chief operating officer Dr. Madhu Gupta for promoting the research activities and understanding the capabilities of youth willing to participate in sports. The theme on changing trends in sports and uplifting the standards of the performance of sports persons.

Ms. Neeti Rawat, television sports commentator was invited as the guest by Dr. Tusshar D. Alekar for judging the research activities and e-poster.

Students conducted research on physical fitness. They also prepared E-Poster on the given theme. The academic week concluded with a seminar held on 13th February. Students presented their research work and e poster. The jury members evaluated the research work and the best e-poster was awarded.

The guest of honour appreciated the theme and said it was necessary to bring change in the area of sports.



DPSRU Organized Hands on Training Workshop in Innovative Approach for Beauty Therapy

Delhi Pharmaceutical Sciences and Research University, World Class Skill Center: Beauty Consultant and Wellness department organized workshop on hands on training in Innovative Approach for Beauty Therapy on 8th July 2019 at 10 am at Room No. 412, DPSRU building. The program started with felicitation of guests followed by lamp lighting and university movie with songs. The guest of the event was Mrs Yogita Kashyap and her teammates. The Hon'ble Vice Chancellor, Prof. Ramesh K. Goyal, DPSRU delivered a lecture on importance of proper knowledge of theoretical concepts of beauty wellness and significance of present needs of beauty wellness industry and beauty therapy in India. Mrs. Yogita Kashyap, guest of event explained about the beauty sphere and



DPSRU Organized Workshop on Practical Demonstration/ Hands on Training in Innovative & Creative Approach for Hair Care, Hair Cut & Hair Styling

Delhi Pharmaceutical Sciences and Research University, World Class Skill Center: Beauty Wellness Consultant department organized workshop on Practical demonstration hands on training in Innovative & Creative Approach for Hair care, Hair cut & Creative Hair Styling on 21st January 2020 at 10 am to 5pm, Room No. 412, Beauty Wellness Division 4th floor, DPSRU building. The programme was started with Felicitation of guests. The guest of the event was Ms. Khampui Thamei and her teammates. In the first half Ms. Khampui Thamei, explained about the Hair care and discussed its Importance and guided each student for using right products and in right way. It was very interactive session. After this she

discussed that it is constantly changing – so much so that keeping up with every new product and technology hitting the market can be a challenge.

Mr. K. M. Sharma, Nodal Officer, COO, WCSC, DPSRU informed the gathering about the potential of beauty and wellness and guided students on the need to build a skill set as per industry. Dr. Geeta Aggarwal explained the importance and significance of Beauty Wellness Courses in the present scenario. The whole program was coordinated by Dr. Madhu Gupta. The students learnt a lot in the practical demonstration given by Ms. Yogita Kashyap and her team. Finally, there was a feedback session in which the students interacted with experts and gave their views regarding the workshop. Dr. Madhu Gupta proposed the vote of thanks and shared her views on innovative beauty concepts and approach.



briefed about hair cut techniques, proper way to hold cutting scissor and demonstrate one Hair cut (graduated) with show blow dryer techniques. And also explained to how to manage the hair on regular basis.

In the second half she demonstrates two Creative hair styling one in short hair doughnut bun with curls, it was amazing and she made in easy way so that students get easily understand. Second hair style was Avante Garde it was advance technique of hair do. Students were taking interest and asking their queries and doubt also. Students practice this hair style and cut in the class. Students were so happy and gave thanks to the Guest.

The whole program was coordinated by Dr. Madhu Gupta & Archana Mehta Master Trainer WCSC DPSRU, presented vote of thanks and shared her views related to innovative beauty concept and approach with skill embedded in Beauty Wellness

Consultant courses. Everyone learnt by practical demonstration that was given by Ms. Khampui Thaimai and assisted by her teammates and finally query/feedback session was conducted in the last phase of program in which students interacted with experts and gave their views regarding of workshop.



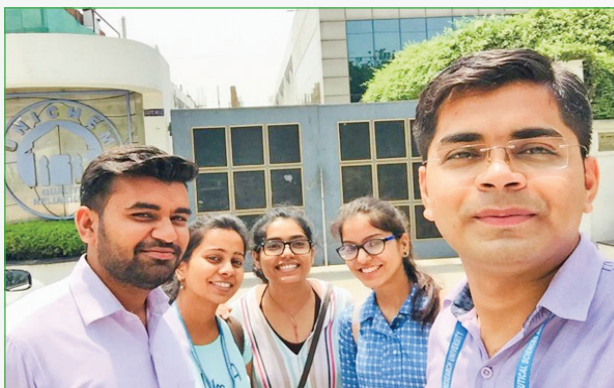
The Hon'ble Vice Chancellor, Prof. Ramesh K. Goyal did felicitation of guest and presented the university memento. He delivered the importance of proper knowledge of theoretical concepts of beauty wellness and significance of present needs of beauty wellness industry and beauty therapy in India.



Summer Training in Unichem Laboratories Ghaziabad

Dr. Sushama Talegaonkar, Department of Pharmaceutics, Delhi Pharmaceutical Sciences and Research University organized one-month industrial Training for M Pharm IIInd Semester Industrial Pharmacy students in Unichem Laboratories, (US-FDA approved plant), Ghaziabad from 3rd June to 3rd July, 2019. The purpose of organizing this training was to familiarize students with the industrial set up and to provide them exposure to various departments. In the training period of one month students worked in various departments like- warehouse, production, packaging, quality assurance, quality control, engineering, environment health & safety. In the first week of training students have worked in production department, where they came across wet/dry granulation techniques of tablet manufacturing, tablet coating and also learnt about In-process quality control parameters. They also learnt the preparation of coating solution practically. Students saw different types of coating pan such as conventional type and perforated type of coating pans. This enabled our students to correlate their theory aspects with practical application. In the second week students visited the packaging and warehouse unit where they have gained the exposure regarding storage and

labelling requirements of raw material, and the finished goods. In packaging they saw packing of tablets primarily into strips and secondly in boxes and then in cartons. They also came across the bulk packaging where they saw packing of tablets into bottles and then in cartons. In third week they covered the QA & Engineering department. In QA they learned to prepare the annual trend report of the tablets manufactured in Unichem. In the last 2 days of the week, they visited engineering department where they saw all the AHU's, boilers, water treatment system, generators, dust collectors. The students reported that Unichem uses electricity as well as diesel for the boilers and total 55 AHU's covering their total industry. They also have 4 generators installed properly in a sound proof room. They use wet scrubber type of dust collectors. In fourth week students covered the QC & EHS departments. In QC they gained knowledge of various analytical techniques like GC, HPLC, UV and various tests like dissolution, disintegration, loss on drying, etc. In EHS they saw the effluent treatment plant of the company in which they were collecting and treating all the waste water of company and after treatment they were using that water for gardening and cleaning purpose of the company premises. The students were very happy and felt enriched after completing this one-month Industrial training.



DPSRU (WCSC) Organized Workshop on Accountancy, Statistics and Event Management

Delhi Pharmaceutical Sciences and Research University, World Class Skill Center: Sports fitness and yoga application/Sports digitalization and Performance Management department organized workshop on Accountancy, Statistics and Event Management from 28th to 31st January 2020 (Room No. 710, 7th floor, DPSRU building). The whole program was coordinated by Dr. Madhu Gupta. The guest of the event was Mr. Vinayak Mishra, who is working in E&Y account firm as Audit associate and also a Certified Global Financial Market Professional from Bombay Stock Exchange. He is also certified from National Institute of Security Management (NISM).

The workshop was ended with a question answer round based on the topics of the workshop. The students really appreciated the workshop and learnt new skills about basic accounting, budgeting and event management along with the basic knowledge of computers.



58th National Pharmacy Week Celebration

58th National Pharmacy Week was celebrated at DPSRU, New Delhi from 21st -24th October, 2019.

The program was coordinated by Dr. Sushama Talegaonkar and Dr. Keerti Jain. The program started with Inaugural function on 21st October. Dr. Mukesh Garg, Vice president, R&D, Vyome Therapeutics Limited, and Dr. R.K. Khar, Principal, Anangpuria College, Faridabad were the chief guests, Prof. D. P. Pathak, Director, DIPSAR, Prof. Harvinder Popli, Offg Registrar, DPSRU graced the occasion. On Inaugural day, Pharma Rangoli competition was organized. The theme for Rangoli competition was "Safe and Effective Medicines where more than 50 students participated. On Day 2, a workshop on Common Technical Document was conducted by Dr. Jitendra Badjatya, Head, Drug Regulatory Affair, Umedica Laboratories Pvt Ltd. More than 50 students and Faculty members were attended this workshop. On Day 3 Debate and poster competitions organized. The chief guest for the event was Dr. Anil Jain, Yoga Guru and Health Advisor. The debate competition was conducted in two sessions- e-pharmacy- boon or bane and OTC- boon or bane. Around 30 students were participated in this event. The poster competition was conducted where 50 posters were displayed in Department of Pharmaceutics under two categories- Scientific and general. On day 4 valedictory function was organized. Dr Sanjay Sharma, Head, Lifesciences, was the chief guest. Certificates distributed to the winners of various competitions and volunteers

Workshop on "Issues and Challenges for the Development of Phytopharmaceutical Drug"

Delhi Pharmaceutical Sciences and Research University (DPSRU) organized a workshop on "Issues and Challenges for the Development of Phytopharmaceutical Drug" on February 26, 2020 in the Board Room of the University. The workshop was organized in association with University of Delhi, World Union for Herbal Drug Discovery Consortium and Hunan University of Chinese Medicine, China. The event was inaugurated by Prof. Ramesh K Goyal, Vice Chancellor, DPSRU; Prof. Rajiv Aggarwal, Principal, Deshbandhu College, University of Delhi (DU); Prof. Veeranoot Nissapatorn, Walailak University (WU), Thailand; Prof. Harvinder Popli, Offg. Registrar, DPSRU and other distinguished foreign dignitaries.



The workshop started with an interactive session on “Significance of Phytopharmaceutical Drug Regulation in Quality and Safety Assessment” followed by a session on “Development of Phytopharmaceutical Drug across the World”. The panellists for the interactive session were Prof. Ramesh K Goyal, Vice Chancellor DPSRU, Prof. Vidhu Aeri, Jamia Hamdard and Dr. A. Najeerul Ameen, President, International Centre for Medical Education and Research.

A total of 75 delegates including foreign participants, faculty members of DPSRU and DU and research scholars were present during the workshop. The workshop was attended by Prof. Veeranoot Nissapatorn from Thailand, Dr. Julius Meneses from Philippines, Prof. Vladimir V. Zarubaev from Russia, Prof. Chea Sin from Cambodia, Dr. Maria de Lourdes Pereira from Portugal, Dr. Mogana Rajagopal and Dr Chandramathi Raju from Malaysia delivered the invited talks during the

workshop.

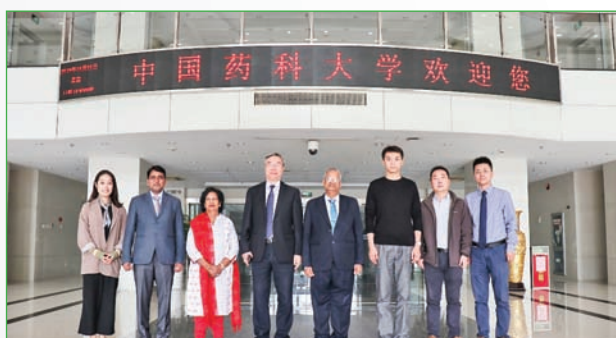
Speaking on the occasion Prof. Goyal introduced all the foreign speakers and honoured them with bouquets and mementos. Prof. Goyal emphasized on the significance of phytopharmaceutical drug regulation in quality and safety assessment of herbal drugs across the globe. The highlight of the workshop was participation of experts from more than six countries who shared their views on Phytopharmaceutical Drug Development and its challenges. The workshop ended with concluding remarks by Prof. Goyal, Prof. Aeri and certificate distribution to the participants. The vote of thanks was given by Dr. Mahaveer Dhobi, Associate Professor, Department of Pharmacognosy and Phytochemistry, School of Pharmaceutical Sciences. The workshop was coordinated by Dr. Mahaveer Dhobi and Dr. Jaseela Majeed from DPSRU and Dr. Sunil Kayesth from University of Delhi.



The premier and the first Pharmacy University of India, Delhi Pharmaceutical Sciences and Research University signed MoU with the world's first Pharmacy University, China Pharmaceutical University, Nanjing, China

Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi, the first Pharmacy University of India, signed a Memorandum of Understanding with the world's first Pharmacy University China Pharmaceutical University (CPU), Nanjing. The MoU was signed between the Vice Chancellor (VC) Prof. Ramesh K Goyal, DPSRU and the Vice President, CPU Prof. Lingyi Kong, on October 21, 2019 in the presence Dr Mahaveer, the faculty from DPSRU and other staff members of CPU. This MoU will enable free research collaboration with CPU. It is also planned to have some unique postgraduate level programs in International Pharmacy Economics & Trade, International Drug Regulatory Affairs, Medical Artificial Intelligence and Sports Pharmacy, and Integrated Ayurvedic & Chinese Traditional Medicines for formulation development as well as clinical trials as per the requirements of both the countries. This MoU will allow student exchange,

faculty exchange and development of history of pharmacy museum in the University. The Hon'ble VC of DPSRU was also invited as Guest of Honour by Prof. Wei Wang, Furong Distinguished Professor and Director, in the opening ceremony of 5th Hunan International Bio Traditional Chinese Medicine (TCM) Forum at Hunan University of Chinese Medicine (HUCM), Changsha, Hunan, China. The President, Vice President and Deans of HUCM also had a meeting with DPSRU VC. This will have the impact in similar lines as with CPU in herbal research. DPSRU has Centers of Excellence of having Ocular Pharmacology laboratory, Herbal Drug Technology, BioNest Center, Clinical Research (BA/BE Center), Innovation and incubation Centre (DIIF) and Nanotechnology along with skill development courses in Beauty and Wellness, Sports Digitalization and Fitness Assessment, Sports Management and Yoga Application. Dy CM Shri Manish Sisodia appreciated the University for taking such initiatives and is optimistic of the fruitful results. Recently, the University launched a first in oral formulation for renal patients undergoing dialysis and is ready to launch a few more.



Lufthansa Impact Week: 18th September – 20th September, 2019

The Impact Week is a non-profit program which promotes innovation and entrepreneurship in emerging economies as the basis for sustainable growth. With the help of the creative design thinking method, we enable local students to develop solutions for challenges in their community and to eventually start their own business.

To make the program sustainable a start with a “Train-the-Trainer” held at DPSRU: to transfer the knowledge to DPSRU & partner institutes faculty and qualify them as design thinking coaches.



We welcome everybody who shares our vision to participate in the impact weeks.

The second edition of Impact Week'19 in Delhi was opened on 18th September 19 by Prof. Ramesh K. Goyal, Prof. Harvinder Popli, Dr. Mohit Gambhir, Innovation Director at MHRD Innovation Cell, Alexander Grots, Master Coach and world-renowned Design Thinking Guru, Sebastian Keilich, Lead Coach IW, Smt. Sonia Sanjay Sinha, an eminent social worker, Prof. Jatin Bhatt, Pro VC AUD, Ms. Geetika Dayal Executive Director, TiE-Delhi NCR and concluded with vote of thanks by Mr. Abhinav Agarwal, CISO, DIIF.



Innovation Day Poster Presentation: 15th October, 2019

In order to celebrate Innovation Day on 15th October 2019 to mark Dr. A. P. J. Abdul Kalam's Birth Anniversary, the students of all departments



of DPSR University, showcased their posters on following topics: Innovation Ecosystem in India, Innovations in Healthcare, Social Impact Innovations and Innovation as a Catalyst in Sustainable Development. Awards were given to winners.



Pharmacist's Leadership Conclave: 10th February – 12th February, 2020

In order to provide Pharma students with holistic training, DIIF organized the Pharmacist's Leadership Conclave. Students with basic sciences background need to be taught management and leadership skills along with academics. Most of the students with biological sciences

background have little training regarding things like team management, project management and the related leadership roles associated with such responsibilities. DIIF provides a pro-active voice to this concept and resolves to stand with students in this matter. The thorough training was provided by Dr. Abhilasha Gupta for this three-day conclave. The students attended and participated enthusiastically.



Flameless Cooking Competition: 17th February, 2020

This competition was conducted by DIIF in association with the Rotaract Club Of DPSRU. This event was organized in order to promote sustainable living in today's changing environment.



Around 100 students participated. Twenty teams of students competed with one another to demonstrate flameless cooking and how food can be made without using flame too. Cash prizes were given to the winners. It was a very successful event.



Data Analytics Workshop: 18th February, 2020

DIIF organized the data analytics workshop which was attended by 200 students who got to learn about data analytics and data sciences. Mr. Kushal Bhuvra from the MAD over Data Institute



from Pune conducted this workshop. Data analytics is the need of today's digital world and we want our students to remain aware of the latest technological developments. This workshop was organized with precisely this aim.



Innovation Symposium in ICCS-2020: 22nd February, 2020

The international conference of Cardiovascular Sciences was held at DPSRU from February 21 to February 23, 2020. At an active member of the DPSRU environment, DIIF contributed by



organizing an innovation symposium on the 22nd of February, 2020. The symposium comprised of two sessions that were dedicated to innovations and latest technologies in the field of healthcare and wellness. The speakers hailed from industry and academia and presented insightful lectures. For instance, Prof. Naresh Bhatnagar talked about

his latest research and how his lab at IIT-Delhi has managed to construct a bio-degradable stent. The other session was dedicated to digital health and the use of artificial intelligence to combat problem areas facing humans in everyday lives.



The sessions were presided over by eminent personalities like Dr. Manish Diwan from BIRAC and Dr. Vandana Sethi of Loyola Business School, NOIDA. All the sessions were very interactive and were well received by the audience.



Women's Leadership Conclave: 6th March 2020

To celebrate the spirit of Women's Day, DIIF organized a leadership conclave in collaboration with SPER (Society of Pharmaceutical Education and Research). The conclave got enthusiastic attendance from both internal and external students. The entire day was filled with powerful presentations given by Dr. Abhilasha Gupta, Ms.

Sangeeta Singh and Prof. Harvinder Popli, who taught the students about the importance of personality development and need to develop women leaders in our society. The day ended on a solemn note by the Vice Chancellor, Prof. Ramesh Goyal. There was tremendous student interaction and the event offered a networking opportunity for our students.



Hands on training on Particle Size Analyzer: 19th February 2020

DIIF acquired the particle size analyser as part of our efforts to create a well-equipped Bio-Nest here at DPSRU. This machine (Nicomp® Nano DLS/ZLS Systems) measures the size and zeta potential of sub-micron particles, using dynamic light scattering (DLS) technology to provide high sensitivity and high-resolution size.

This is an extremely important instrument for all Pharmacy students. Pharmacy students use this machine for important analytical experimentation. Keeping the interest of students in mind, we arranged a hands-on training for this instrument on the 19th of February, 2020. It was attended by several students, who also got the chance to analyze their samples. At DIIF, our aim is to maintain this facility for use of our students so

that it is always available to them. For the external students, our aim is to make it as an actively paid facility. This would always serve the dual purpose of keeping the machine running as well as making monetary gains from it.

DPSRU Organised Invited Lecture on Journey of Indian Pharmacopoeia Commission

A special lecture was delivered by Dr. Jai Prakash, Secretary-cum-Scientific-Director, Indian Pharmacopoeia Commission (IPC) Ghaziabad on the detailed functioning of Indian Pharmacopoeia Commission. The lecture was organized by Department of Pharmaceutical Analysis, Delhi Pharmaceutical Sciences and Research University on 14th February 2020. Dr. Rajeev Kumar Tonk felicitated Dr. Jai Prakash and welcomed him to the University.

The lecture was started with a brief introduction of IPC which is an autonomous institution of the Ministry of Health and Family Welfare which sets standards for all drugs that are manufactured, sold and consumed in India. Dr. Jai Prakash mentioned about the Indian pharmacopoeia (IP), official book of standards for the drugs being manufactured and/or marketed in India which is published by the Indian Pharmacopoeia Commission (IPC) on behalf of the Ministry of Health & Family Welfare, Government of India in fulfilment of the requirements of the Drugs and Cosmetics Act, 1940 and Rules 1945 there under, had also been provided what changes are made in IP from 1955

to 2018 including the addendums. The lecture was followed with the different arenas in which IPC function and the different training programs they conduct under the Government Skill Development Programs.

The lecture was basically designed to provide full-fledged information on Indian Pharmacopoeial commission- its history, mandates, achievements and functioning to the Post graduate students of DPSRU. The lecture was attended by M.Pharm. and Ph.D. scholars. Dr. Jaseela Majeed given the vote of thanks to Dr. Jai Prakash for sparing his valuable time.



Workshop on “Reaxys 2.0: A Smart Tool for Researchers”

A special workshop which helps or provide core research facility for the literature survey to the M.Pharm. and Ph.D. scholars, was delivered by Dr. Mandar Bodas, solution consultant from Research Solutions-Life Sciences, Elsevier on the topic “Reaxys 2.0: A smart tool for researchers”. The lecture was organized by Department of Pharmaceutical chemistry, Delhi Pharmaceutical Sciences and Research University on 17th September 2019. Dr. Rajeev Kumar Tonk, Head of the Department felicitated Dr. Mandar Bodas and welcomed him to the University.

Dr. Mandar informed students about What Reaxys is and How this web-based tool helps researchers for the retrieval of chemistry information and data from published literature, including research journals and patents. He also educated the students about the usage of reaxys and told them

that information in reaxys includes chemical compounds, chemical reactions, chemical properties, related bibliographic data, substance data with synthesis planning information as well as experimental procedures from selected journals and patents. Basically, Reaxys provide one universal and factual platform where students can access to experimentally measured data-reactions, physical, chemical or pharmacological. Hence it is an essential as well as beneficial tool for all the researchers.

This lecture was basically designed to provide basic information about this research tool form company expert. More than 30 students from the University participated in the lecture. Dr. Jaseela Majeed Assistant Professor in Department of Pharmaceutical Chemistry gave the vote of thanks to Dr. Bodas for sparing his valuable time.

Dr. Rajiv Tonk, Dr. J Swaminathan and Dr. Jaseela Majeed convened the event.



**WORKSHOP ON RHEOMETER:
DEMONSTRATION AND HANDS ON TRAINING**

The Workshop on “Demonstration and Hands on Training on Rheometer and its Application in Pharmacy” was organized in association with Anton-Paar India Pvt. Ltd. on 27th August, 2019 by the Department of Pharmaceutics, DPSRU for the students of M. Pharm. and Ph.D. This workshop was co-ordinated by Dr. Keerti Jain and Dr. Sushama Talegaonkar. The Scientist and Technical engineer of Anton-Paar Mr. Rohit Kandwal and Dr. Satya brought the Instrument MODULAR COMPACT RHEOMETER MCR 92 for this workshop. This workshop on demonstration

and Hands on Training on Rheometer was attended by 60 M. Pharm. and 32 Ph.D. students of DIPSAR/DPSRU. Mr. Rohit Kandwal introduced the students about the rheology and rheometer by his presentation entitled basics of Rheology and Rheometer.

Dr. Satya demonstrated the different parts of instruments and working to the students. Later the students were given hands on training on Rheometer by Dr. Satya and Mr. Rohit. Dr. Jaseela Majid felicitated Mr. Rohit for his contribution in this workshop. Dr. Satya was felicitated by Dr. Keerti Jain and Dr. Sushama Talegaonkar. Vote of Thanks was proposed by Dr. Sushama Talegaonkar.



Lecture on Exercise Prescription

A lecture on Exercise Prescription was arranged by School of Physiotherapy which helped the students in assessing, evaluating and prescribing exercises not only for patients of musculoskeletal

pain but also for athletes and for special groups like pediatrics, exercise for elderly, special groups like diabetic or hypertensive patient and athletes with such conditions. This special lecture was delivered by Prof. Priyanshu Rahod, on 3rd Feb'2020.



Workshop on Dry Needling, Cupping Therapy and Taping

Workshop on Dry Needling, cupping therapy and taping was organized by School of Physiotherapy for BPT students. Workshop registration started at 9:30am. Inaugural ceremony was started at 10:00am in the presence of Honorable Vice Chancellor Prof. Ramesh K. Goyal, Dr. P.K Sahoo, Dr. D.P. Pathak, Prof. Rajiv Kumar Tonk, Dr. Shilpa



Jain, faculty and staff of DPSRU.

The Session started in morning with the resource person. Dr. Prahlad Priyadarshi who enlightened the students about description of the anatomy, biomechanics, neurophysiology of spine and upper and lower quarter followed by hands on demonstration of dry needling, cupping and taping techniques. The whole program was coordinated by Dr. Shilpa Jain.



World Physiotherapy Day

A poster competition was organized by School of Physiotherapy on World Physiotherapy Day. 32 entries for participation were received from students of BPT 1st, BPT 3rd, BPT 5th and BPT Final 7th semester. The first prize winner Falguni



Sharma received a cash prize money of Rs.5000, Noor Sagoo and Yashika received Rs. 3000 and Manpreet and Komal received Rs. 2000. Besides these five other consolation prizes of Rs. 1000 each were also received by the students and ten others also received exciting gifts on Annual Day Celebration of DPSRU.



Mera Bharat Swarnim Bharat-National Bus Exhibition campaign

The DPSRU student council-2020 organized a seminar in collaboration with the Youth wing of Prajapita Brahma Kumaris Ishwariya Vishwa Vidyalaya on the theme "Mera Bharat Swarnim Bharat-National Bus Exhibition campaign" on 23rd September 2019. This program was coordinated by Prof. P. K. Sahoo and Prof. Rajiv Kumar Tonk.

All the students and staff of the University participated in this holy function to show their unity for the noble and National work.

Pencraft, a Creative Writing Workshop

"Verve" The literary society of Delhi Pharmaceutical

Sciences and Research University has the primary objective of bringing all the passionate students from varied courses together to discuss, practice and to improve themselves in the skill of creative writing, public speaking as well as their comprehensive personality Development. On 5th February 2020 Verve conducted a creative writing workshop, which was named as "Pencraft" with the unmatched support of Prof. Rajiv K. Tonk, Patron, Student Council 2019-20. The Workshop covered techniques to bring story idea to life and taking it to your readers. The workshop witnessed more than sixty attendees from DIPSAR, DPSRU and other nearby institutions. It was headed by Mr. Chetanya Kapoor who is an author of two books



namely, Aaftab: The Dawn of Words and The Last Relic of Love. His writing has been recognized by many and is also available on amazon with a five-star rating. Verve was utterly delighted to have Mr. Chetanya, a 21-Year-Old author, who has mastered the art of writing in a very young age who adds a touch of unpredictable twists, the employment of imagery which turns to favour his stories and poems. He shared his experiences during his work publication and made all the students to indulge in the short activity-based learnings. The theme of this workshop was set to "Lazy Writing" which is a term used in Travel Industry but is certainly helpful in writing a story or a poem. The activities included

Descriptive Style Writing, creating a poem and creating a story towards the end and to our surprise, all the attendees were able to frame commendable plots which were then orated by them one after another. As we know, Orating develops confident in one's own writing this workshop has helped the participants to tone down their stage fear in addition to their writing improvement. Verve is committed towards the wholesome betterment of all the students of DPSR University in terms of soft skills which are much needed in today's world and we will continue to contribute to the same in future as well.



One-day Seminar on Research, Research Methodology and How to Write a Research Paper

The Department of Pharm. Chemistry has organized one-day seminar for PG and Ph. D students of all branches on the topic "Research, Research Methodology and How to write a Research Paper" on 12th Nov' 2019. The topic was well explained by the renowned speaker Prof. M. Ramanathan from Coimbatore. The program started with the welcome and introduction of Prof M. Ramanathan

by Prof. Ramesh K. Goyal, Hon'ble Vice-Chancellor DPSRU. The faculty members were also present to motivate the students and exploring new ideas with thought-provoking discussion.

More than 50 students from DIPSAR and DPSRU participated and learned the right ways of writing the manuscript. The program ended with the vote of thanks of thanks by Prof. Rajiv Tonk followed with refreshment for all the participants.

A Plenary session of Dr. Raghu Rangaswamy & University staff on Drug Designing & Discovery



One Day Certificate Seminar on 'Scope and Potential after Pharmacy for D. Pharm. Students

The Vice Chancellor Prof. R. K Goyal invited Dr. Mahesh Burande (Director, Institution of Pharmaceutical Education and Research- I.P.E.R) for conducting a one-day certificate seminar on 'Scope and Potential after Pharmacy' exclusively for D. Pharm. Students on 14th October, 2019 in the Board room of DPSRU. The seminar started with the welcoming remarks of Prof. Rajiv Kumar Tonk followed by felicitation of Dr. Mahesh Burande with a bouquet as a token of respect.

Dr. Burande began with a very innovative seminar aimed at creating skilled pharmacists to improve and contribute to the development and economy of our country. This certificate program is highly recognized by Pharma Industries and included live case studies, examples and video clips about

successful people in the field of pharmacy.

Further, he enlightened the students about the status of the Indian pharmaceuticals and challenges ahead. He even told various career options one can take after their respective courses. He emphasized on the 3 important things a Pharmacist must keep in mind – "Positive Attitude, Safety, and Economy". He made students realize the importance and responsibility of pharmacists towards the Healthcare of the world.

Overall, the seminar was a great success with active participation. It was beneficial and boosted the morale of students. At last, 3 sheets were handed over to all the students as a follow up of the seminar and to know their future. Refreshments were given to all the participants. The seminar ended with a vote of thanks by The Vice-Chancellor and the Dean of the college.



Workshop on POCSO Act

A joint workshop was organized by the District Magistrate (South) office in collaboration with DPSRU student's council-2020 on "POCSO act for university staff and school teachers of Delhi under the program Beti Bachao and Beti Padhao". All the staff members of DIPSAR and DPSRU were present along with the school teachers from various schools in Delhi. The program was well managed and blessed with the words of

wisdom by the chief guest Prof. Ramesh K. Goyal & Guest of Honour Prof. Harvinder Popli. All the teaching & administrative staff interacted well with the experts and resolved their queries without withholding the University work.

Vigilance Awareness Week (VAW)

The Airports Authority of India (AAI) has celebrated Vigilance Awareness Week (VAW) as a mandate of the Central Vigilance Commission (CVC) to sensitize citizens for corruption-free India. As



a part of this Vigilance awareness, a one-day workshop was organized in collaboration with Delhi Pharmaceutical Sciences and Research on the theme "Integrity- A way of life". During the workshop around 40-45 students participated in Debate/Speech competition. The program was coordinated by Prof. Rajiv Kumar Tonk. The evaluation of the competition was done by a committee/Judges consisting of three officers

from the Airports Authority of India. The program started with the lamp lighting followed by the opening remarks of Prof. Ramesh K. Goyal. A pledge/Oath was also taken by the students and faculty members present there. At the end after the announcement of results, three cash prizes were also distributed to the first three winners i.e. Rs. 2000/- Manpreet Kaur, Rs.1500/- Isha Sharma and Rs. 1000/- C. S. Sruthi.



Photography Workshop

On 23rd January 2020, a photography workshop on framing and a photo review session was organized by PARIDRISHYA- the photography society of DPSRU. The workshop was open for all the students of DIPSAR and DPSRU and around 40 students participated in the workshop. The workshop was conducted by Mr. Virendra Singh, a professional photography trainer who holds experience in various genre of photographs including travel, portrait, landscape and

commercial. He was felicitated by Dr. Rajiv Tonk, Patron. Mr. Virendra Singh started the workshop with basic photography essentials. He interacted with the students sharing his experience and expertise in the field. He gave real life examples to explain the art of photography. During the photo review session, he gave his opinion and tips on the photographs clicked by the students. All the questions of students were answered by him. Ms. Gurneet Kaur, President, Paridrishya proposed the vote of thanks.



PG & Ph.D. PROGRAM



(Prof. Geeta Aggrawal)

DPSRU (including DIPSAR) has a name for innovative and ground-breaking research. When it comes to research and providing education, DPSRU being the first Pharmaceutical University, enjoys an outstanding reputation. The thrust areas of research in the university include Clinical Research, Development of Novel Nano-formulations, Drug Discovery through Synthetic Chemistry, Herbal Drug Technology and Regulatory studies for new Drugs.

PG programmes: DPSRU offers 2 years PG courses including M. Pharm. (Pharmaceutical Analysis, Industrial Pharmacy, Cosmeceutics, Drug Regulatory Affairs, Pharmaceutical Biotechnology, Pharmacognosy, Quality Assurance, Hospital Pharmacy, Pharmacology, Pharmaceutics, Pharmaceutical Chemistry, Clinical Research); MBA (Pharmaceutical Management); MPH (Master of Public Health) and MHM (Master of Hospital Management).

Regulations for admission in PG courses: For M. Pharm., the merit list of candidates for admission is formed by taking 50% of weightage for marks in theory and practical together in II, III and IV yrs (or III to VIII semesters) and 50% weightage for GPAT score. Candidate seeking admission to the M. Pharm. and MBA in Pharmaceutical Management course must have passed the Bachelor of Pharmacy examination with at least 55% in the aggregate of theory and practical of II, III and IV year from PCI approved Institute / University. GPAT qualified candidates are considered for admission first. In case GPAT candidates are not available, non GPAT candidates can be considered for admission, based on merit. 15% of the total seats are filled by non-Delhi candidates (including from NCR of Delhi) with valid GPAT score and completed B. Pharm. examination with 55% from PCI/AICTE recognized University. Remaining 85% of the total seats are filled by graduates passed out from

Delhi Colleges/Universities with valid GPAT score in order of preference of disciplines. Out of 85% seats of Delhi category, 70% seats will be given to DIPSAR/DPSRU candidates and remaining 15% will be reserved for Delhi Non-DPSRU candidates from NCT of Delhi.

Candidates seeking admission in Master of Hospital Management (M.H.M.) / Master of Public Health (M.P.H), must have passed B. Pharm. / M.B.B.S. / B.D.S. / B.H.M.S. / B.U.M.S. / B.A.M.S. / B.P .T. degree examination of an Indian university established by law in India from an institution approved by their respective Councils of India (PCI, MCI, DCI, AYUSH, Homoeopath, Ayurved, Unani councils, DCPT & OT) and has scored not less than 55 % of the maximum marks. Every student, selected for admission to post graduate program in any council approved institution should have obtained registration with the State Council.

Ph.D. programme: DPSRU offers Ph.D. in Pharmaceutics, Pharm. Chemistry, Pharmacology, Pharmacognosy, Clinical Research, Biotechnology, Drug Regulatory Affairs, Quality Assurance, Physiotherapy, Management and other allied subjects in the regular mode. The university awards the Ph.D. degree after successfully passing and completion of examination for prescribed course work and research work to be submitted in the form of thesis and duly defended in the examination.

Regulations for Admission and Completion of Ph.D. in DPSRU

The candidates, who desire to be student for Ph.D. programme in the university, must have Master's degree with at least 60% marks in Pharmaceutical Sciences or Business studies or Hospital Administration or Physiotherapy or any other allied subject.

The candidate must appear for Entrance

examination for taking admission and minimum qualifying marks are 50%. After qualifying examination, an interview is organized where the candidates are required to discuss their research interest/area through a presentation before a duly constituted expert committee. The number of seats for Ph.D. depends on the availability of supervisor. The successful candidates from the entrance examination and interview are enrolled as Pre-Ph.D. candidates for the course with the consent of the supervisor.

The duration of the Pre-Ph.D. course is of one semester/Six months. The Pre-Ph.D. course includes modules on Research methodology, Biostatistics, Computer applications, Communication skills, IPR, Entrepreneurship, and Advances in Pharmaceutical Sciences and Current topics on subject of specialization.

After qualifying the Pre-Ph.D. course, the candidate can apply for the final registration to the Ph.D. programme with write up and presentation of the proposed research work to Doctoral Student Research Committee (DSRC). Every research scholar during Ph.D. is required to show continuous progress of work to the supervisor and submit half yearly report to the DSRC with the approval of supervisor. Further the progress of Ph.D. research work is monitored by University Research Advisory Committees (URAC).

After the completion of research work, the supervisor organizes pre-thesis seminar, to appraise about research work in front of DSRC. If DSRC satisfies with pre-thesis seminar, the report on the pre-thesis seminar is placed in front of URAC for approval. A minimum of 4 DSRC meetings are conducted during Ph.D. The research scholar can submit the thesis within a maximum period of 6 months from the date of submission of pre-thesis synopsis after approval.

The university checks to detect any plagiarism or any other forms of academic dishonesty in the submitted thesis. After the submission of thesis, viva-voce examination is conducted and all the reports of examiners are placed before URAC to award the degree with the approval of Academic

Council. The university has a provision to submit soft copy of Ph.D. thesis to UGC within a period of 30 days, for hosting the same in INFLIBNET, accessible to all Institutions/Universities. The candidate must submit the thesis within a period of five years, but not before two years from the date of his/her registration.

Ongoing Doctoral Research Projects

Currently 71 Ph.D. research scholars are pursuing their Doctoral Research Projects in the university. A total of 112 students are admitted for Ph.D. programme in DPSRU till now. Out of which, 71 students have cleared the pre-Ph.D. course work and are registered for Ph.D. research work. In the current batch (2019-20), 23 students are admitted in Pre-Ph.D. 21 candidates of Ph.D. are working on Government funded research projects. 3 Research scholars are getting DPSRU fellowship and more than 20 are getting fellowship for teaching assistance (DPSRU) or salary from other organizations (IPC, Industry etc.).

In 2018-19, URAC of the university is constituted by Hon'ble Vice-Chancellor with external experts including Dr. Rajesh Jain (Managing Director, Panacea Biotec Ltd.) and Rao V S V Vadlamudi (President, Commonwealth Pharmacists Association & Immediate Past President, Indian Pharmaceutical Association). 2 URAC meetings are conducted till now and progress report of 32 Doctoral students was approved for further action. More than 60 DSRCs meetings of Ph.D. students were organized to monitor the progress of Doctoral research work.

Various guest lectures for Ph.D. and PG students were organized, which included expert talks on Research methodology, Scientific & Medical writing, IPR, Plagiarism, Research ethics, Recent trends in drug delivery, Biostatistics, Entrepreneurship etc. In addition to it, soft skill classes on Resume writing, Group Discussions, Personal interview skills and Leadership skills were organized by experts. University organized various trainings for the students of Ph.D., M. Pharm., MBA (Pharmaceutical Management), MPH, MHM in industries and other research organizations.

Details of Ph.D. Research Projects

Title of ongoing Ph.D. projects	Guide(s) Name	Student name
Development of Novel Drug Candidate for the treatment of diabetes and associated cardiovascular complications taking swertiamarin as the lead	Prof. Ramesh K. Goyal	Shikha Goswami
Pre-clinical and clinical evaluation for anti depressant like activity of selected natural origin compounds	Prof. Ramesh K. Goyal	Arzoo
Investigation of cellular and molecular targets in Multi-Drug Resistance Tuberculosis	Prof. Ramesh K. Goyal	Rahul Gupta
Development and validation of mobile -app based algorithm for Therapeutic Drug Monitoring Pharmacovigilance of Antidiabetic/Antihypertensive drugs	Prof. Ramesh K. Goyal	Tarani Prakash Srivastava
study of Pyroptosis as the mechanism involved in the etiology of chronic muscle spasm and investigation of possible treatment	Prof. Ramesh K. Goyal	Shilpa Jain
A Randomized, open label, balanced, three treatment, three period, single dose bioavailability and bioequivalence study of different brands of Anti diabetic drugs including Government supplied drugs in healthy human subjects, under fasting conditions	Prof. S.S. Agrawal	Pougang Golmei
Anti-fertility activity of certain herbal drugs	Prof. S.S. Agrawal	Nidhi Singh
Development of NDDS for breast cancer	Prof. S.S. Agrawal	Mohd. Mazhar
BA-BE studies of certain drugs	Prof. S.S. Agrawal	Arun Kumar Pradhan
To evaluate the anticancer activity of Shorea robusta bar extract	Prof. S.S. Agrawal	Pallavi Sharma
To Formulate and Evaluate Niosomes Drug Delivery System for Rheumatoid Arthritis	Prof. S.S. Agrawal	Laxmi
To evaluate the Anti-implantation, Anti-Ovulatory estrogenic and Anti-estrogenic activity of herbal extract of Shorea robusta and Ficus infectoria	Prof. S.S. Agrawal	Shweta Kasna
Regulations for conducting clinical trials in various countries (US, MHRA, Japan and India) and to compare it with Indian Regulations	Prof. S.K. Gupta	Abhishek Singh
Pharmacoeconomic burden & adverse drug, reaction monitoring and drug utilization pattern of cardiovascular drugs in the tertiary care, North India, Delhi	Prof. S. K. Gupta	Nisha
Management of Diabetes and its complications by a novel polyherbal formulation bioflavonoid in experimental animal model	Prof. S.K. Gupta	Ritu
Chemical profile, Bio-activities and topical nano formulation development of some medicinal plant extracts	Prof. D.P. Pathak	Manju Vyas Singh
Structural investigation into identification of small molecules that can modulate the lipid homeostasis: A computational study	Prof. D. P. Pathak	Anita Kumari
Biosimilars: The impending effects of new generation drug on Industries and Regulatory agencies of the world	Prof. D.P. Pathak	Anant Singn Verma
Formulation Development of various agents to improve its efficiency as Internal decorporation Agent	Prof. D.P. Pathak	Vaishali Agrawal

Design, Synthesis and biological evaluation of several isatin based analogues	Prof. D.P. Pathak	Garima Chauhan
Design and Development and characterization of Pharmaceutical formulations form natural Phyto-constituents for Physiological adaption to extreme environments	Prof. D.P. Pathak	Renu Bala Yadav
Phytoanalytical evaluation & development of an antihypertensive & cardiogenic herbal formulations	Prof. Harvinder Popli	Anubhuti Pasrija
Nanotechnology based therapies for skin wound regeneration	Prof. Harvinder Popli	Reena
Semi-Opioid nalbuphine based novel pharmaceutical approaches for management of severe pain	Prof. Harvinder Popli	Kushagra Khanna
Role of new Artificial Intelligence powered analytical and digital tools to maximize competitive advantage in Indian healthcare	Prof. Harvinder Popli	Rakhi Ahuja
Making universal Healthcare a reality: Implementation options for India and lessons from other global/emerging economies	Prof. Harvinder Popli	Meenu Grover Sharma
Development of lipid based solid oral formulation incorporating as Ion-pairing complex of Amphotericin B	Prof. Harvinder Popli	Vineet Kumar Jain
To formulate & Evaluate advanced drug delivery system for Arthritis	Prof. P. K. Sahoo	Laxmi Rani
To develop and evaluate Nanostructure Lipid Carrier; intranasal bypass drug delivery system for the treatment of Parkinson's disease	Prof. P. K. Sahoo	Neha
Curcumin loaded Invasomal Gel for the treatment of Psoriasis: Formulation, Characterization and In vivo studies	Prof. P.K. Sahoo	Bhumika Kumar
Development and evaluation of novel drug delivery strategy for improved cancer chemotherapy	Prof. P. K. Sahoo	Shweta Paroha
Development of formulations using alternative treatment strategies for Alopecia (Baldness).	Prof. P.K. Sahoo	Mukesh Pandey
Development and Biopharmaceutical evaluation of different formulations for hepatoprotective activity	Prof. P.K. Sahoo	Ashwini Kumar Mishra
Design, Synthesis and Pharmacological Evaluation of new Piperazine derivatives for the treatment of neurodegenerative disease	Prof. S. R. Wakode	Anjali
Molecular Modelling and dynamics simulation studies if Sirtuin-1 to design selective inhibitors	Prof. S. R. Wakode	Mritunjay Singh
Design, Synthesis and Physicochemical Characterisation of new Thiophene derivatives as potent anti-diabetic agents	Prof. S. R. Wakode	Faizana Faiyaz
Design, Synthesis of some heterocyclic compounds and its biological evaluation as potent anticancer agents	Prof. S. R. Wakode	Shaik Khasimbi
Identification of small molecule immune-modulators of PD-1 pathway through computational approaches	Prof. Rajiv Tonk	Lovika
Design, Synthesis & Pharmacological Evaluation of New Coumarin Based Heterocycles	Prof. Rajiv Tonk	Uma
Design, synthesis and pharmacological evaluation of nitrogen containing heterocyclic derivatives for C.N.S disorders	Prof. Rajiv Tonk	Gautam Bhardwaj

Comparative evaluation and formulation of Iontophoretic Drug for treatment of knee osteoarthritic patients	Prof. Rajiv Tonk	Parul Sharma
Design, molecular docking and biological evaluation of quinoline derivatives as inhibitor	Prof. Rajiv Tonk	Vivek Yadav
Development of anti-alzheimer herbal nano-formulation and RAMAN spectrometer as a detection tool for Neurodegenerative disease	Prof. Geeta Aggarwal	Deeksha Sharma
Studies on few selected plant secondary metabolites and their semisynthetic derivatives for cytotoxic effects	Dr. Ramesh Bodla	Akanksha
Design & Synthesis of Drugs for Targeted Delivery of Chemotherapy for Brain Tumor	Dr. Ramesh Bodla	Madhvi Sisodia
Design, synthesis and development of small chain Peptidomimetics for treatment of Tuberculosis.	Dr. Mukesh Nandave	Priyanka Sharma
Pharmacological inhibition of system XC-antiporter by novel inhibitors for treatment of glioma	Dr. Mukesh Nandave	Megha Sahu
Repositioning and Pharmacological evaluation of Agomelatine for its anticancer potential in mammary gland carcinoma	Dr. Mukesh Nandave	Ajay Kumar Pal
Screening of SIRT 1 activators from herbal origin for Age-Associated cardiovascular disorders	Dr. Mukesh Nandave	Deepika Pandey
Development and evaluation of ophthalmic drug delivery system for glaucoma	Dr. Meenakshi Chauhan	Pankaj Kumar Sharma
Development of short peptide based self-assembling nanostructure as drug delivery vehicle for brain and as a scaffold for tissue engineering	Dr. Meenakshi Chauhan	Nitin Yadav
Development and evaluation of novel Hemostatic Products based on Natural Gums	Dr. Meenakshi Chauhan	Himanshu Kushwah
Evaluation of chlorella as a potential drug for nuclear disaster management	Dr. Meenakshi Chauhan	Mahendra Yadav
Nanoencapsulated natural bioactive compound(s) and antitubercular drug(s) for management of MDR Tuberculosis	Dr. Meenakshi Chauhan	Monika Targhotra
Brinzolamide Dual Drug Delivery System for the Management of Glaucoma	Dr. Meenakshi Chauhan	Chandrashekhar Mahadeo Chakole
Design and development of nanocarriers of isoflavones for selective targeting of ER- α (estrogen-receptor(α -type) in post-menopausal osteoporosis	Dr. Sushma Talegaonkar	Namrata Guatam
Novel Quinoline derivatives as potential agents for Hepatocellular carcinoma targeting VEGFR-2 tyrosine kinase: Design, synthesis and Evaluation of anti-proliferative activity	Dr. Jaseela Majeed	Jurnal Reang
Multi-targeted pyrimidine derivatives - A therapeutic lead for Alzheimer's disease	Dr. Jaseela Majeed	Vinita
Development and characterization of nanocarrier(s) for wound healing Management	Dr. Madhu Gupta	Meghna Amrita Singh
Synthesis and characterization of novel formulation for effective management of Rheumatoid Arthritis	Dr. Madhu Gupta	Radha Rani
Development and evaluation of effective novel topical formulation for management of wound healing	Dr. Madhu Gupta	Neha Raina

To study the intestinal fructose transport (via GLUT2 & GLUT5 transporters) in rodent model of fructose induced childhood adolescent overweight/ obesity and investigate the preventive potential of medicinal plants therein	Dr. Rajani Mathur	Prateek Sharma
Structural analysis of β -Catenin and its protein partner to elucidate therapeutic insights using computational methods	Dr. Rajani Mathur	Mitul Srivastava
Effect of EMF radiation from mobile handsets on hypothalamic glucosensing mechanism and mitochondrial function in developing rats	Dr. Rajani Mathur	Ruchi Tripathi
To evaluate the protective role of medicinal plants against mammary gland tumorigenesis induced by concomitant exposure to 7, 12-dimethylbenzanthracene, mobile phone radiations and fructose diet in developing female rodents.	Dr. Rajani Mathur	Arshvir Kaur
Development of Novel Pharmacotherapeutic for the Management of Autism in Valproic Acid and Induced Rodent Model	Dr. Ajit Kumar Thakur	Nikhila Shekhar
Development of Novel Pharmacotherapeutics for the Management of Huntington's Disease	Dr. Ajit Kumar Thakur	Sakshi Tyagi
Quantitative Analysis, phytochemical investigation of phytosterols, Application of formulation design and method development of oral paediatric formulation	Dr. J. Swaminathan	Sharmila Dusi

INTERNATIONAL NETWORKING



(Dr. Mahaveer Dhobi)

Delhi Pharmaceutical Sciences and Research University (DPSRU), the first Pharmacy University of India has developed a strong international network with several countries of the world in the last few years. The collaboration has been developed especially with countries of the world viz., Russia, Thailand, China, Malaysia, Sri Lanka, Syria etc. including Canada and Portugal. In 2019-20, learned academics from Walailak University, Thailand; Philippines; Pasteur Institute of Epidemiology and Microbiology, Russia; Hunan University of Chinese Medicine, China; University of Puthisastra, Cambodia; University of Aveiro, Portugal; UCSI University & University of Malaya, Malaysia; Syria and Sri Lanka paid a visit to DPSRU. Besides, we had Guest lectures by Prof. Naranjan S. Dhalla, Winnipeg, Canada, Prof. Asher Kimchi, USA, Prof. Pawan Singal, Canada and many others.

Stavropol State Medical University, Russia conferred "Honorary Professorship" to the Vice Chancellor of DPSRU, Prof. Ramesh K. Goyal, which is only the second time the honor is being given in 80 years to a non-Russian Professor.

Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi, has signed a Memorandum of Understanding with the world's first Pharmacy University, China Pharmaceutical University (CPU), Nanjing. The MoU was signed between the Vice Chancellor Prof. Ramesh K Goyal, DPSRU and the Vice President, CPU Prof. Lingyi Kong, on October 21, 2019, in the presence of other staff members of DPSRU and CPU. This MoU will enable free research collaboration with CPU. It is also planned to have some unique postgraduate level programs in International Pharmacy Economics & Trade, International Drug Regulatory Affairs, Medical Artificial Intelligence and Sports Pharmacy, and Integrated Ayurvedic & Chinese Traditional Medicines for formulation development as well as clinical trials as per the

requirements of both the countries. This MoU will allow student exchange, faculty exchange, collaborative research and joint programme.

Prof. Ramesh K. Goyal, VC, DPSRU was invited as Guest of Honour by Prof. Wei Wang, Furong Distinguished Professor, in the opening ceremony of 5th Hunan International Bio Traditional Chinese Medicine (TCM) Forum at Hunan University of Chinese Medicine (HUCM), Changsha, Hunan, China during October 2019. The President, Vice President and Deans of HUCM also had a meeting with DPSRU, VC. This will have an impact in similar lines as with CPU in herbal research. We have collaborations with Professor Wei Wang, Director, TCM and Ethnomedicine Innovation & Development International Laboratory, Hunan University of Chinese Medicine, Hunan, in China for research projects. An MoU was also signed for students and faculty exchange with Al-Hawash Private University, Syria.

Prof. Ramesh K. Goyal, VC, DPSRU was invited as chief guest and keynote speaker in the International Conference on the 4th Industrial Revolution and its Impacts, March 2020 at Walailak University, Thailand. During his visit, he formed a consortium of World Union of Herbal Drug Discovery (WUHeDD) of 10 Asian Countries. The motto of the consortium is the development of phytopharmaceuticals across the world.

In collaboration with the WUHeDD consortium, DPSRU University had submitted an international project along with the scientists from USA, UK and from various Asian countries on "novel inhibitors of fusogenic activity of influenza virus hemagglutinin based on plant-derived scaffolds" under Thailand Research Fund - International Influenza Research Networks (IIRN).

Recently, WUHeDD submitted a concept proposal on "epidemiological, medical and innovative

impacts of waterborne parasites in the Philippines - Toward International Research Networks” and it has been approved by the Philippines commissioner of higher education (CHED) for a further consideration. The leading teams from Philippines, Thailand, Malaysia, Cambodia, China, Portugal, India, Saudi Arabia, and United Kingdom will study innovative impact of medicinal plants against pathogens found in treated water samples collected in the Philippines nationwide.

DPSRU in association with WUHeDD and Hunan University of Chinese Medicine, China organized an international workshop on “issues and challenges for the development of phytopharmaceutical drug” at DPSRU during February 2020. The theme of the workshop was “significance of phytopharmaceutical drug regulation in quality and safety assessment” and “development of phytopharmaceutical drugs across the world.” The workshop was attended by international participants, Prof. Veeranoot Nissapatorn, Thailand; Dr Julius Meneses, Philippines; Prof. Vladimir V. Zarubaev, Russia; Prof. Chea Sin, Cambodia; Dr Maria de Lourdes Pereira, Portugal; Dr Mogana Rajagopal and Dr Chandramathi Raju from Malaysia and delivered the invited talks during the workshop.

In continuation of MoU signing with CPU, the China Pharmaceutical University deputed Mr. Subhankar Mukhopadhyay (ex-public relation officer, CPU-International Students) one of the international scholars at CPU to visit DPSRU to interact with students for the awareness about the research possibilities for students at China esp. at China Pharmaceutical University, Nanjing. The interaction with the students includes to brief the students for various comprehensive and expanding range of scholarships to excellent the students of DPSRU. Along with the interaction a guest lecture was delivered by Mr. Shubhankar Mukhopadhyay on “Prospects of Collaboration with Chinese Universities” in February, 2020. The lecture was arranged in order to spread purpose of MoU signing as well as the prospects & procedures of learning in the 1st Pharmacy university of World. He also had given a proper detailing, laboratory experiences, student life & research culture at CPU, China.

The University looks forward to holding a potential seminars/conference/workshop in order to inspire and prepare students to travel abroad, develop international network as well as to learn about working research environment of international universities.



DPSRU INNOVATION AND INCUBATION FOUNDATION (DIIF)



(Prof. Harvinder Popli and Mr. Abhinav Agarwal)

The Delhi Pharmaceutical Sciences and Research University (DPSRU) is host to the DPSRU Innovation and Incubation Foundation (DIIF), an early stage incubator focusing on incubation and entrepreneurship in healthcare, pharmaceuticals and wellness.

DIIF is committed to create mutually productive and beneficial partnerships with business, industry and community organizations to support new ideas, research and development. This approach adopted across the University that has led to the growth and development of a strong culture of entrepreneurship at the University fostered by engaging with a broader ecosystem in the community.

DIIF is also a host to BIRAC BIONEST funded DPSRU Bioincubator. The overall goal of Bioincubator is to support the development of new entrepreneurs and create investment-ready scalable and sustainable ventures while harnessing DPSRU's unique strengths and capabilities in the research and scientific realm. Specifically, Bioincubator will focus on the following areas:

- Healthcare
 - Devices
 - Diagnostics
 - Mobile Applications
- Pharmaceuticals
- Drugs and Vaccines
- Cosmeceuticals and Nutraceuticals
- Sports Science, Physiotherapy and Yoga
- Wellness
- Waste Management

Key Activities/Services Provided by DIIF to Incubatees are as follows:

- Secretarial Services
- Mentors Support-Workshops/seminars and direct guidance
- Infrastructural/Facility based services like –office spaces, internet etc.
- Skill trainings
- Networking activities
- Financing/Seed Funds/Access to Venture Capitalists

etc.

- Education/Access to Knowledge related to ideation to concept to validation of product to commercialization
- Entrepreneurship trainings
- IPR related support
- Hands on working at Entrepreneur Cell

DIIF Journey

Started in 2017 DIIF, became a home to 15 start-ups. Under the leadership, guidance & mentoring by its leadership & executive team, the start-ups achieved notable milestones as in such a short span of time i.e. 4 companies were able to commercialized their products, won awards at international & domestic forums i.e. Hack Harvard at Harvard University, USA and many were able to develop working prototypes.

Under the crisis of COVID 2019 the start-ups under leadership & guidance of the DIIF leadership came forward in developing products to fight against corona virus. One such prominent product which came into existence with joint efforts was POWER ACE, an ambient disinfectant, and Clin ACE a hand sanitizer which was also procured by INMAS, DRDO to be included in their efforts against the pandemic. Other products included were alcohol-based sanitizers and masks.

Key Events at DIIF

- Lufthansa Impact Week: 18th September – 20th September, 2019
- Innovation Day: Poster Presentation: 15th October, 2019
- Pharmacist's Leadership Conclave: 10th February – 12th February, 2020
- Flameless Cooking Competition: 17th February, 2020
- Data Analytics Workshop: 18th February, 2020
- Hands on training on Particle Size Analyzer: 19th February 2020
- Innovation Symposium in ICCS-2020: 22nd February, 2020
- Women's Leadership Conclave: 6th March 2020

YOGA & FITNESS CENTRE



(Acharya C.P. Ray)

“Om poornamadah poornamidam poornaat poornamudachyate poornasya poornamaadaaya poornamevavashishyate”

“Everything is full. If you add full to the full, full remains. If you subtract full from the full, full remains. If you multiply full by the full, full remains. If you divide full by the full, full remains”

..... Ishavasya Upanisha

Not everyone understands this kind of mathematics. From the perspective of this statement, everything is whole, everything is complete; even you are whole, you are complete. You do not realize that you are complete, that you are poorna. The purpose of yoga as an integrated system is to develop the experience of wholeness and completeness.

The experience of wholeness incorporates and integrates the gross manifested body, the subtle, invisible yet experienceable mind, and the transcendental spirit that is within you. When these three are brought together, the experience of poornata, wholeness, takes place. This experience of poornata is the purpose and the aim of life. Self-realization or God-realization is the result of having attained wholeness in life, without which that realization would not be possible.

On 2nd March 2017 an MoU was signed to promote of yoga by CMD of Indian Renewal Energy Development Agency (IREDA) Mr. K.S. Popli with Vice Chancellor of DPSRU Prof. Ramesh K. Goyal in the presence of former governor of Chhattisgarh Shri Shekhar Dutt and Col.Bhatia from SITDS.

After signing the MOU with IREDA, to initiate a certificate program for the benefit of community and society. Curriculum was developed with four theories and two practical paper. The fifth batch of Certificate Course in Yoga is completed successfully sixth batch is going on. After the completion of this course student will be able to become a Certified Yoga Professional.

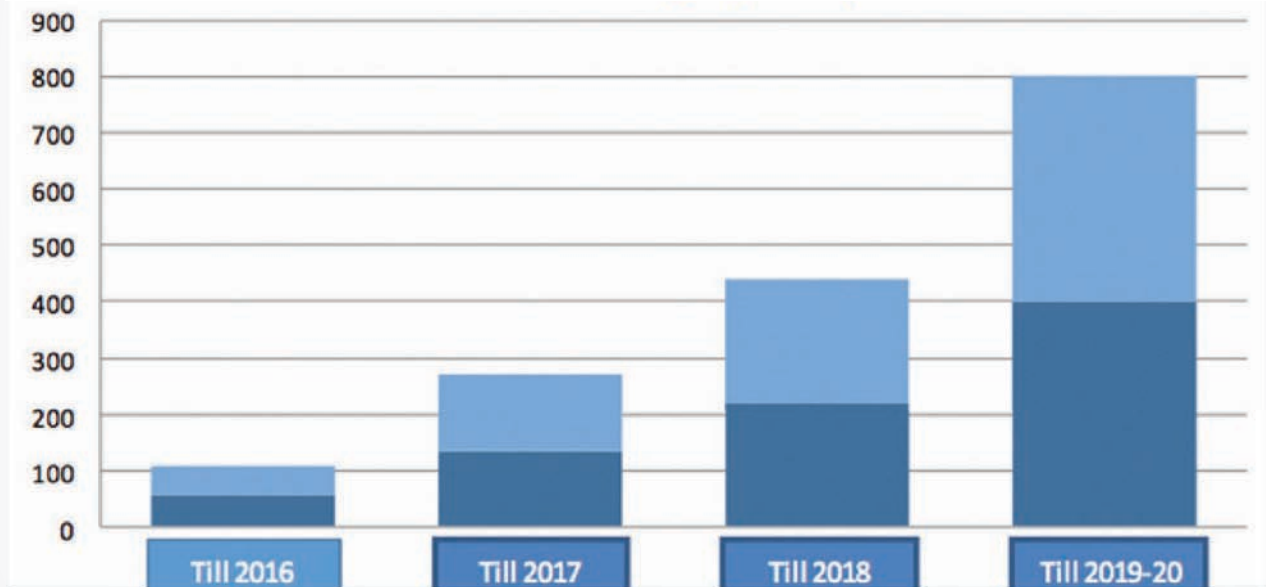
55 M. Pharm student of DIPSAR, 50 M.Pharm. student and 55 BPT Student and 27 MHM, MBA, MPH students were trained and examined as a subject in the semester for which the marks/grade are included in their university mark sheet in the curriculum will benefit the students to concentrate better for their profession and life.

On 21st June International Yoga Day is celebrated every year, in year 2019 also more than 300 staff members and students participated. T-Shirts with IYD logo were distributed on International Yoga Day.

More than 20 people (Students, Staff, Faculty and Patient from OPD, Physiotherapy) use to come for yoga sessions in the Yoga and Fitness Center of DPSRU to improve their health every day.



Students Trained and completed Certificate Course in Yoga (Total)



AICTE-QIP NODAL CENTRE ACTIVITIES



(Prof. P. K. Sahoo & Mrs. Amrita Parle)

AICTE has selected DIPSAR as national coordinating centre for Quality improvement program in Pharmacy. The Principal QIP coordinator is Prof and Director Dr D P Pathak and Assistant QIP coordinator is Mrs Amrita Parle. Following activities are undertaken by DIPSAR QIP cell:

1. Making All India PhD/M.Pharm admissions under QIP scheme of AICTE

DIPSAR is recognized by AICTE as all India nodal centre for quality improvement program (QIP), for conducting the centralized interview to offer admission in M.Pharm. and advance admission in Ph.D. for the academic year 2019-20 for the teachers of AICTE approved pharmacy colleges across the length and breadth of India. Advertisement regarding admission in M.Pharm. and advance admission in Ph.D. 2019-20 under AICTE-QIP, was given in national news-papers namely The Hindustan Times and The Indian Express on 12/01/2019. In response to that 46 applications were received from the teachers of AICTE approved pharmacy colleges across the country. These applications were thoroughly scrutinized for eligibility and data sheets with all details were prepared as ready reckoner for each candidate. The centralized interviews were conducted by 14-member committee, from 26th to 28th March 2019 at DIPSAR. The committee comprised of QIP Coordinators from 13 pharmacy nodal centers, namely Prof. (Dr.) D.P. Pathak (DIPSAR), Prof. V. Kishan (UCPS - Warangal), Dr. S. Ponnusankar (JSS Ooty), Prof. (Dr.) Biswajit Mukherjee (DPT- Jadavpur Univ.), Prof. (Dr.) B.M. Patil (KLE COP, Belgaum), Prof. (Dr.) Asmita Gajbhiye (DPS, Dr. HGV, Sagar), Prof. (Dr.) Subir Samanta (BIT-MESRA-

Ranchi), Dr. Sathiyarayanan L. (PCOP-Pune), Dr. Sveenivasa Reddy (Manipal COP), Prof. Krishnapriya Mohanraj (BCOP-Maharashtra), Dr. T M Pramod Kumar (JSS- COP, Mysuru), Prof. P.R. Vavia (ICT- Mumbai) and Mrs Amrita Parle, DIPSAR, rigorously interviewed the candidates and selected 22 candidates for advance admission in Ph.D programme and 02 candidates for M. Pharm programme for the academic session 2019-20, Mrs. Amrita Parle, Assistant QIP Coordinator, DIPSAR coordinated the programme.

2. Making admissions to Ph.D. in Pharmacy under NDF scheme of AICTE

National Doctoral Fellowship is a coveted fellowship of AICTE for admission in PhD course. DIPSAR is one of the NDF centre for PhD admission in field of pharmacy. For the academic session 2019-20, online applications were invited, out of which 40 candidates were shortlisted for interview. An interview committee comprising of Mrs Amrita Parle, Dr Sharad Wakode, Dr Rajani Mathur, Dr Meenakshi Chauhan was constituted for conducting interviews. The interviews were conducted on 27/05/2019. Ten candidates appeared for the interview, 3 candidates were selected but only one candidate joined in the academic session 2019-20.

3. Conducting Short Term Quality Improvement programs.

In 2019-20, DIPSAR successfully organized four AICTE sponsored short term faculty development programmes with the objective to familiarize the academicians with new discoveries, techniques and technologies of teaching and research in Pharmacy.

PLACEMENT CELL



(Dr. Meenakshi Chauhan & Mrs. Rakhi Ahuja)

Strong alliances and record placements again during the session 2019-20 with multiple job offers supported by multinational firms like Dr. Reddys, Novartis, WNS (Value-edge), Quintiles, IMS, IQVIA, ZS Associates, DRG, Eli-Lilly, Walter Bushnell, Dabur, Course 5 Intelligence, etc., DPSR University has earned the respect of top performers in the industry. The University's unwavering commitments to quality in all aspects of education including infrastructure, academics and administration have won admiration from corporate world as well. With a focus on research that drives innovation, it is emerging as the leading centre for knowledge generation and dissemination. The placement cell, DPSRU stands committed towards getting the best possible opportunities for its students by providing them with a thriving platform and the best exposure. The cell conducts training activities for the final year students mainly focusing on Career planning, Industrial visits, Campus placements and Entrepreneurship Development. Continuous interaction of the cell with the industries also helps in achieving the above goals and motivating students to contribute in this direction. The placement coordinators also help students to improve their command on English language and Communication skill.

DPSRU continued to enjoy immense confidence from the corporate world as substantiated by the remarkable placement season for the session 2019-20. The alumni of this institute occupy very good positions in business, industry, R&D and academia in India and abroad. The Institute has consistently produced outstanding pharmacy graduates who have excelled in their careers and occupied responsible positions in some of the best-known enterprises in India and across the globe. The university's unique student driven culture, robust corporate engagement model and planned academic and research rigour have

consistently resulted in a significant increase in the competency levels of the students. This value proposition has strengthened the confidence of the recruiters in DPSRU.

During 2019-20, the University witnessed participation of various esteemed organizations offering roles across different domains including formulation development, clinical research, business analysis, production, quality assurance, research-development, hospital and community pharmacy and sales/marketing. The companies normally offered package of 5.0 to 8.5 lakhs for M. Pharm., MPH, MBA (Pharmaceutical Management), MHM and 3.5 to 6.2 lacs for B. Pharm. students. The students of M. Pharm. (Pharmaceutics) and MBA (Pharmaceutical Management) bagged the highest number of offers.

The remarkable thing in this process was the proactive participation of student coordinators (Navneet Kumar, Vaishali Khanna, Monika Khatri, Hitesh Kumar and team) in the months leading to the recruitments. Overall, DPSRU has yet again bettered its previous records imparting the best of opportunities to its students and had another successful year with the placement process for PG students. Most of the UG students showed their interest for higher studies and cleared the GPAT examination.

University has arranged summer training of D. Pharm. in various Government and Private hospitals. The summer training of M. Pharm. students has been arranged in WNS, Cognitrex, Hospitals, Quintiles, IMS, etc. Undergraduates are sent to various industries for summer training. The placement cell has organized workshops, expert talks on Resume writing, Aptitude test and Group Discussions practice. The placement cell also started the soft skill training programme in the university for PG and Ph.D. students.

The university is always a trend setter. Continuing with it, the placement cell of University also guides the students in professionalism, presentation techniques, interview skills and new technology

trends and developments in the industry and motivates them for self-employment, start-ups and entrepreneurship.

STUDENTS PLACEMENTS DETAILS

S.No.	Student Name	Organizations (Govt* and Pvt)	Designation Offered	Package
Pharmaceutics				
1	Manjusha	CGHS*	Pharmacist	6 Lacs
2	Harshita Sharma			
3	Pankaj			
4	Jayanti Mishra	ZS Associates	Knowledge Management Associate	8.5 Lacs
5	Rohan Aggarwal	Novartis	Scientific Writer	6.35 Lacs
6	Navneet Kumar	WNS Global Services	Market Analyst	6.72 Lacs
7	Udai Prakash	Dr. Reddy	Formulation Scientist	6.52 Lacs
8	Jitender P Yadav	ESIC*	Pharmacist	6.0 Lacs
Clinical Research				
1	Sidhant Sharma	IQVIA	Data Analyst	6.7 Lacs
2	Pooja Vaishnavi			
3	Hashim Khan	ESIC*	Pharmacist	6 Lacs
4	Paras Gupta	DRG	Intern Analyst	6.5 Lacs
5	Khushboo	Novartis	Scientific writer	6.35 Lacs
Pharmaceutical Chemistry				
1	Purnima Manocha	IQVIA	Data Analyst	6.7 Lacs
2	Gurwinder Pal	Novartis	Associate Analyst	6.35 Lacs
3	Gulshan Nath	Dr. Reddy's	Research Trainee	6.0 Lacs
4	Deeksha Aggrawal	IQVIA	Trainee Analyst	20k/Month
Pharmacology				
1	Deependra Singh	Novartis	Scientific writer	6.35 Lacs
2	Himanshi Walia	Course 5i	Trainee Analyst	5.5 Lacs
3	Akansha	DRG*	Intern Analyst	6.5 Lacs
4	Gaurav Chauhan	ISRO*	Pharmacist	6.0 Lacs
Quality Assurance				
1	Monika Khatri	Novartis	Associate Analyst	6.35 Lacs
2	Aanchal Arora			
3	Deep Pathak			
4	Pooja Pithambaram	Course 5i	Trainee Analyst	5.5 Lacs
5	Poornima Sharma	DRG	Intern Analyst	6.5 Lacs
6	Gurubachan	DSSB*	Pharmacist	6.0 Lacs
7	Deepak Tayal	IQVIA	Trainee Analyst	20k/Month
8	Tejbir Singh	RRB*	Pharmacist	6.0 Lacs
9	Rohit Kumar	Kalawati Saran Hospital	Pharmacist	6.0 Lacs
Hospital Pharmacy				

1	Sandeep Kumar	ESIC*	Pharmacist	6.0 Lacs
Industrial Pharmacy				
1	Prarthana Yadav	DRG	Research Trainee	6.0 Lacs
2	Sandeep Saini	Walter Bushnell	Trainee – Research	5.0 Lacs
3	Aakash Soni			
4	Komal Verma	IQVIA	Trainee Analyst	20k/Month
Pharmaceutical Analysis				
1	Shafqat Majeed	ZS Associates	Knowledge Management Associate	8.5 Lacs
2	Sumit Tewatiya	DRG	Research Trainee	6.0 Lacs
3	Mini Jha	IQVIA	Trainee Analyst	20k/Month
Drug Regulatory Affairs				
1	Mansi Deshwal	Novartis	Scientific writer	6.35 Lacs
2	Shivangi Raghav	DRG	Intern Analyst	6.5 Lacs
3	Kunal Gogna			
Pharmacognosy				
1	Nandini Pandey	Novartis	Scientific writer	6.35 Lacs
2	Chetna Kaushik	WNS Global	Analyst	6.7 Lacs
Cosmoceutics				
1	Deepshikha Khurana	Novartis	Scientific writer	6.35 Lacs
2	Manisha Sharma	Dabur Research Foundation	Trainee Research Fellow	3.2 Lacs
Pharmaceutical Biotechnology				
1	Hitesh Kumar	IQVIA	Data Analyst	20K/Month
MBA				
1	Amit Sharma	IQVIA	Data Analyst	6.7 Lacs
2	Najla Khalid			
3	Vaishali Khanna			
4	Satnam Kinger	ZS Associates	Knowledge Mangt Associate	8.5 Lacs
5	Mugdha Kesh	Walter Bushnell	Trainee Medical Info & Product Executive	5.5 Lacs
6	Ankita Kumari			
7	Poorvi Sharma	Course 5i	Trainee Analyst	5.5 Lacs
8	Shweta Gupta	Sourav Chemicals Ltd	Trainee-Sales & Marketing	4.78 Lacs
9	Swatantrata Richa	Prescient Healthcare	Trainee Analyst	Stipend 25K/ Month
10	Harsh Ruhella	CGHS*	Pharmacist	6.0 Lacs
MHM				
1	Aamir Mohsin	IQVIA	Intern Analyst	Stipend 10K/ Month
2	Uroosa Khan			
3	Anupam			
4	Sikander			
5	Shubham			20K/Month

PLACEMENT 2019-20: KEY HIGHLIGHTS

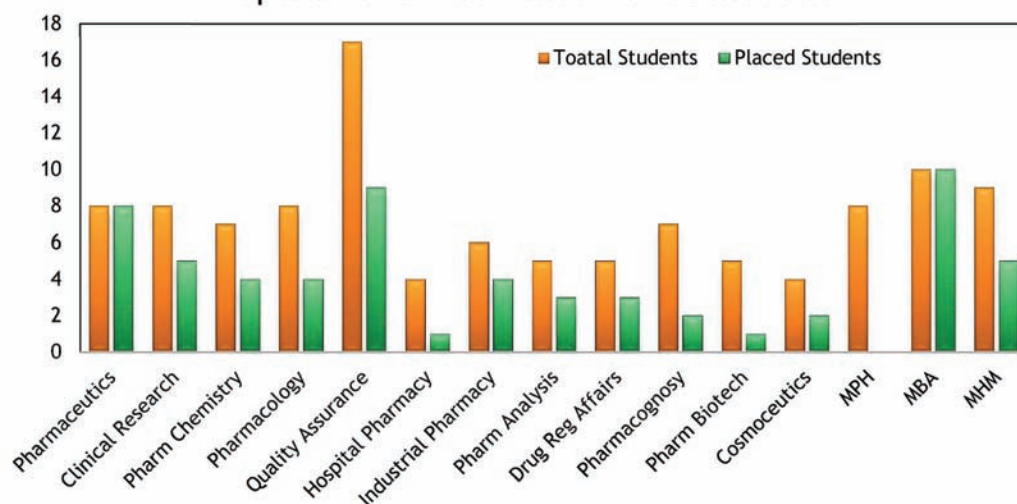
Number of companies visited campus/involved for recruitment process	More than 20
Maximum package offered	8.5 Lacs
Average package for PG	6.0 Lacs
Number of offers by companies	70
Number of offers for Hospital/Industry training for UG & Diploma	Approx. 150
Number of Govt. jobs offered	11
The total number of PG students who participated in Placement	94
Total students who got offers	61

PG Outcome

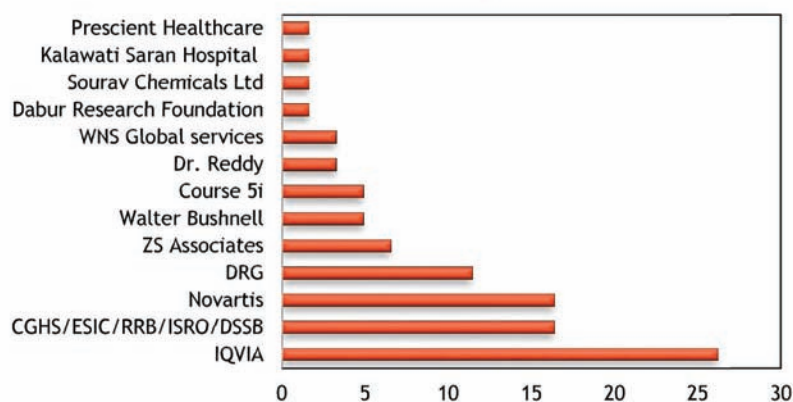


■ Private Sector ■ Govt Sector ■ Higher Studies ■ Unplaced ■ Preparing for Govt Jobs

Department wise Placement Statistics



% Offers from Leading Companies



GLIMPSES OF PLACEMENT DRIVES



SOME OF THE TOP COMPANIES VISITED THE UNIVERSITY DURING 2019-2020 SESSION



SCHOOL OF PHYSIOTHERAPY



(Dr. Shilpa Jain)

Physiotherapy as a profession has grown by leaps and bounds over last few decades. Physiotherapy practice spans the continuum from health promotion to prevention to rehabilitation for individuals and populations throughout the lifespan. Physiotherapists are health care professionals who optimize quality of life of their patients through structured exercises, hands on treatment and patient education. It can be considered as one of the popular courses in modern medicine worldwide. It has spread its wings in all

branches of medical sciences, be it orthopedics, neurology, cardiology, pulmonary conditions, intensive care units, obesity, sports medicine, surgery, medicine, burns, cancer, women health, paediatrics, geriatrics, rehabilitation, community health, etc. Physiotherapists provide the initial access into the health care system for persons with impairments and functional limitations amenable to physiotherapy and engage in collegial referral relationships with other health care professionals.



School of Physiotherapy was established in the year 2015. The undergraduate program i.e Bachelor's in Physiotherapy that the school offers are for four and a half years (4 years + 6 months Internship). Enriched with proficient and dedicated faculty members, School of Physiotherapy is an ideal combination of professional and academic excellence. With state of art Physiotherapy laboratories (Anatomy, Exercise therapy, Electrotherapy, Biomechanics, Neurology) and OPD, the faculty believes the priority of education is to prepare students for a well-rounded, balanced life with broad social and cultural interests and as involved, active citizens of our country. The department strives to provide high quality education to the students with emphasis on student centric learning. The school has adopted innovative methods of teaching and learning with aim to achieve excellence by integrating, teaching,

learning and research.

The school has a well-organized, innovative and job-oriented course curriculum with innovative delivery modes of teaching emphasizing on evidence-based practices. The course curriculum has been designed to bridge the skill gap between the industry and the academia to make the student industry ready. The vision and mission of the University has added thrust to areas like research and innovation and the University is on its way to make its presence felt for excellence in professional education.

All students from first batch passed their final examination with flying colors and also completed their six months internship from reputed hospitals by March 2020. School of Physiotherapy DPSRU wishes them a good career and practice ahead.

SCHOOL OF ALLIED HEALTH SCIENCES



(Dr. Jaseela Majeed)

The School of Allied Health Sciences is dedicated to become a pioneer in research and education in pharmaceutical, hospital management and public health. The school was established in 2016 under Delhi Pharmaceutical Sciences and Research University, Govt of NCT of Delhi.

The School of Allied Health Sciences has three main programmes:

- MBA in Pharmaceutical Management (MBA-PM): Two-year full time Masters of Business Administration Programme with specialization in Pharmaceutical Management
- Master's in Public Health (MPH): Two-year full time Master's Programme with specialization in Public health
- Masters in Hospital Management (MHM): Two-year full time Master's Programme with specialization in Hospital Management

Mission

- Capacity building of healthcare professionals through comprehensive teaching and training programs.
- To support the personal and professional development of young minds through effective management principles and preparing professionals for the healthcare sector.
- Connecting and collaborating with health care professionals, organisations and professional bodies to improve health care management and enable to get the best of collective expertise and resources for fulfilling the quality management objectives.

Vision

- To transform the health care education to overcome the limitations of Indian health care systems.
- Improvement in the standards of health care systems through excellent teaching, training and research.

About the Programmes

MBA IN PHARMACEUTICAL MANAGEMENT (MBA-PM)

MBA (Pharmaceutical Management) is one of the flagship programs of the University designed to equip students with skill-based, practical business management knowledge and analytical skills to develop their capacity to lead domestic and global pharmaceutical industry through adaptability, innovation and creativity. The department uses the case study method as one of the pedagogical tool to transform the classroom learning to real world business scenarios that provide compelling opportunities amidst challenge settings. The curriculum consisting of core management areas like Marketing Management, Human Resource Management, Financial Management, Project Management and Supply Chain Management along with pharmaceutical industry-oriented subjects like Pharmaceutical Business Environment, Drug Regulatory Affairs and Intellectual Property Rights (IPR) etc.

MASTERS IN PUBLIC HEALTH (MPH)

Master's in Public Health (MPH) program prepares students to become leading public health professionals capable of addressing current global health problems with multidisciplinary and evidence-based approaches. The curriculum provides professional training in quantitative and qualitative research methodologies, demography, epidemiology, community-based research and community engagement strategies. The program is focused on the interrelationships between a multitude of factors that can impact public health problem including scientific, medical, environmental, cultural, social, behavioural, economic, political and ethical factors.

MASTERS IN HOSPITAL MANAGEMENT (MHM)

Masters in Hospital Management (MHM) program emphasizes on developing knowledge component, skill and attitude pertaining to Hospital Managers.

The program will help the candidates in developing expertise in planning and managing different types of hospitals and equip them with problem solving strategies. Through this rigorous program, graduates are able to manage hospitals and healthcare organizations globally, both in the public and the private sectors, thus meeting the demand for quality healthcare management.

All the three programmes are equipped to meet the educational challenges of the rapidly growing health sector in the world. The dynamic curriculum designed in conjunction with academia and industry experts provides the opportunities for the students to master new skills and explore varied perspectives in pharmaceutical and health care management. The emphasis is on practical knowledge and personalized learning. Opportunities are abounding for students and faculty at all levels to participate in basic, translational, interdisciplinary and community-oriented education and research. The Departments of Pharmaceutical Management, Hospital Management and Public health offers diverse cutting-edge programs for students with a managerial and technical foundation for careers in pharmaceutical companies, consulting, health care systems, hospital management, public health management and health insurance. The School have collaborations and partnerships with major hospitals like Indraprastha Apollo Hospital, Max Super Specialty Hospital, Delhi Heart and Lung Super Specialty Hospital and renowned pharmaceutical industries Cognitrex Consultants Pvt. Ltd, Alnice Life Sciences Pvt. Ltd and non-profits organizations.

Faculty

Faculty members generate knowledge through cutting-edge research in all functional areas of pharmaceutical, hospital and public health management that would benefit students and society in general. The faculty members collaborate with the health care and pharmaceutical industry as well as other academic institutions in India and Abroad.

Internship/Training

An integral part of the MBA-PM, MPH and MHM programs is the internship/training, a structured and supervised professional experience with an

approved agency from which students receive academic credit. After completing first year of class room learning, students undergo a short-term internship for 60 days. And on the completion of third semester they need to undergo training for six months in pharmaceutical industries, recognized hospitals and/or other health care agencies to gain specific practical training and exposure related to core areas of pharmaceutical management, public health and hospital management. The main purpose of internship for MBA-PM are to give practical exposure to the student's business operations in various pharmaceutical industries and equip them to develop requisite skills and solving management problems. Also help them to acquire the consultancy skills along with class room teaching to develop them as trained professionals. The goal of these internships for MPH and MHM are to impart the practical knowledge through research methods, help formulate a rigorous research problem related to public health and hospital management issues based on their observation, conduct an independent study, and encourage working in a team preparing them for a professional career in public health and hospital management.

Placements

The School of Allied Health Sciences is in the emerging phase identifying the career development prospects of students. All the students have undergone the vigorous placement processes and are successfully placed in various organizations of repute like BLK Memorial Hospital, Mamta Foundation, UNESCO, IQVIA, WNS Global Services, Cognitrex Consultants, ZS Associates, DRG, Eli Lilly and Course 5 Intelligence and few more.

Future Perspective

- Identified deep engagements with international networks for Advanced Management, which includes eminent business schools around the world.
- Partnership and collaborations with global organizations involved in Public health management.
- Management Development Programs to improve management practices in health and related systems.

GLIMPSES OF ACTIVITIES OF SCHOOL OF ALLIED HEALTH SCIENCES



Health Mela organized during International Conference.



Awareness program organized on COVID-19 for students and staff



Awareness on COVID-19 in local community about the preventive measures

MESSAGES OF FACULTIES OF

SCHOOL OF ALLIED HEALTH SCIENCES ON COVID-19



Delhi Pharmaceutical Sciences & Research University (DPSRU), Govt. of N.C.T Delhi, New Delhi-110017



Positive Thoughts on Covid19 by Faculties of School of Allied Health Sciences, DPSR University, New Delhi



Dr. Jaseela Majeed

Now the world will be in a new order as BC Era (Before Corona) and AC Era (After Corona). In the AC era we are learning to become more stronger and resilient. Now for us hygiene is not just a good habit but become the skill needed for survival. **STAY PHYSICALLY DISTANT, BUT SOCIALLY AND EMOTIONALLY CONNECTED !!!**



Abhilasha Abhay Gupta

The lockdown period only reconfirmed my beliefs. Nature is most powerful. Nature is beautiful in her original form. Mother Earth needed healing. Living happily needs no luxuries. Achievement is all about making time not having time. Enjoy your solitude. It's been a great learning to be able to sail in all conditions that life is a miracle and every breath taken, a gift from God.. Inhale the blessings and exhale gratitude.



Dr. Puneeta Ajmera

"Follow lockdown guidelines and social distancing, Cleanliness and healthy food taking. This will hold enough sway, To keep Corona miles away." I am confident that we'll come out stronger in the post covid world. What is now required on our part is to build, within us, an edifice of both physical and moral courage.



Rakhi Ahuja

"This prevailing COVID-19 pandemic has changed the way we live, study, work and connect with each other. Now, we have started to realize the fact that many of these changes and costs will be felt far into the future also. Be Strong and Hopeful- can only be the mantra of life during this challenging and uncertain times. We all must continue social distancing and other practices that show signs of effectiveness. All I can say that we should have faith in the system and feel confident that as a nation and a global community, we will get through this difficult time together."



Dr. J. Swaminathan

"Nothing in life is to be feared, it is only to be understood. Now is the time to understand more, so that we may fear less" Be a part of this COVID-19 Challenge, ready to update the day to day symptoms, prevention and travel advisory of novel corona virus. Participating in WHO Campaign to combat the challenges in this outbreak. Deliver humanitarian aid and disaster relief to vulnerable communities around the world. Donate to those in need - COVID 19. Be Vigilant and stop the spread of amidst COVID-19.



Dr. Sheetal Yadav

We are a multi faceted, multi colored country. We are quite different in many ways in comparison to other nations. Pandemic COVID-19 is a natural calamity for human race. It has now proved in CORANA times. Eating home made whole grain food followed by sheer hard work has given an edge in corona resistance. We may further explore our own indigenous system to take it to new heights. We will have to evolve a methodology to concurrently (a) strengthening our immunity, and (b) weakening the ill effect of dreaded corona virus. "Grit of determination", again our own indigenous line of thought, shall definitely break the chain of expanding dreaded virus. Let's take a pledge and hammer out the dreads.



Acharya C P Ray

सिद्धयसिद्धयोः समो भूत्वा समत्वं योग उच्यते- Keeping a balanced mind in both success and failure is the highest form of yoga. "Happiness is your nature. It is not wrong to desire it. What is wrong is seeking it outside when it is inside."



Dr. Shivani Dadwal Salaria

In these unsettling times of Covid-19, it is but natural to fret thinking about our future. But each one of us must take this challenge as an opportunity to improve our lifestyle and our behavior towards the mother earth. The lockdown period has improved the AQI and we are able to spend quality time with our family. We have adopted better hygiene measures and etiquettes of social distancing. We are now more aware of our actions and their consequences. I am sure with our positive attitude, we will rise up to the occasion.



Dr. Saba Abidi

It is always said that challenges give way to opportunities. So, we, as public health people should consider this Covid 19 as an opportunity to design some impactful strategies so as to combat any other pandemic in future.



Dr. Priyanka Chauhan Arora

Covid19 can bring about an explosion in the number of cases in India where the concept of self-isolation and social distancing is relatively new. Many western countries, a majority of Indians reside in a joint family setup which makes self isolation even more challenging.

"We Shall Overcome, Oh, Deep In My Heart, I Do Believe, We Shall Overcome Someday"

#Stayhome, #Staysafe, #Staypositive

WORLD CLASS SKILL CENTRE (WCSC)

(Dr. Madhu Gupta)

Government of NCT Delhi initiated the development of an ambitious green field project through "World Class Skill Centre (WCSC)" in Delhi to address the shortage of skilled manpower. The setting-up of this World Class Skill Centre in Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi aims to create the skilled people that might be the valued assets to the country.

The courses offered by the DPSRU-WCSC center evolved as per requirements of the industry and fitted with new facilities. These skill development certificate courses will allow students who have completed a certificate course of one year to

transfer to the University for an Under-graduate Degree, while retaining credits for the course already completed.

DPSRU was recognized as the nodal center under the sector "Health and Wellness Sector" by the Govt. of NCT Delhi. Delhi Pharmaceutical Sciences and Research University became one of the centre and inaugurated with Hon'ble Dy CM, Govt of NCT of Delhi, Sh. Manish Sisodia Ji on 13th Aug 2019. DPSRU-WCSC welcomed the trainers by organizing orientation program for both phase students on 29th April 2019 as well as 17th Sept. 2019.



DPSRU-WCSC has started the Sports Fitness and yoga Application, Sports Digitalization and Performance Management and Beauty Wellness Consultant courses. The centre is fully air conditioned, installed with the latest projectors smart class room, high level experimental labs equipped with latest Training and research equipment and many more mandatory to meet the environment and to achieve their best. This makes the centre truly the World Class level.

Beauty wellness consultant certificate program that designed in such manner to equip students with both theoretical and practical knowledge in cosmetic area with technical knowledge about formulation science of cosmetic products, beauty

wellness consultant supports sales and marketing by displaying products and reporting sales information to the sales executive or manager. This certificate course surely provides the opportunities and employability in various sectors as national and international level. The faculties that are developed such as skin texture analyser, mini pouch filling and sachet machine, basic equipment for cosmetic product development, evaluation related facilities such as pH meter, packaging and labelling section, show case technology, make over studio, recreation area and many more. The students are trained in such manner, so that they can understand a wide range of beauty treatment which can help the client's sense of well-being and self-esteem.

The sports related certificate course prepares the students with the knowledge and application of science in sports. This one-year certificate program is designed to equip students with both theoretical and practical knowledge in sports fitness and yoga with their application part as well as sports digitalization and performance management and use the skills techniques to contribute to the development of sports in our country. New additions such as Human Performance Lab, Biomechanics lab, Computer lab, Fitness Studio and smart classrooms ensure that the students are provided with best facilities during their period of study.

Sports Fitness and Yoga Application

The health and fitness industry have uplifted with the explosion in the recent years as the population all over the world has realised the role of exercise. The population of the country is growing with the demand of more experts in sports sciences and health science. There is a huge significance for the trainee after completion of this certificate course.

Many events like Indian Premier League, Pro Kabaddi League, Khelo India Campaign, and Khelo India Youth Games have started to uplift the standard of the sport and bring out the talent. The importance of sport inculcates team spirit, analytical thinking, leadership skills and goal setting. Fit India campaign has also encouraged people to inculcate physical activity and sport in their everyday lives.

Many schools are coming up with the play time mandatory for children, sport / play time is a significant aspect of a child's life children need to be encouraged to play as much as possible, rather

than spending time with smart devices. Playing sport is more than a skill development which is offering benefits like improving cognitive functions, networking, self-confidence, stress busters.

The Objective of the Course:

- They understand exercise as a medicine for health. In which the trainee will not only execute the exercise but understand them as a treatment for upliftment of the health of the population.
- The trainee will develop efficiency in fitness as management, learning to monitor the growth of the people.
- Trainee has better understanding for the recording of the data and compare for the assessment for the improvement of the athlete.
- The trainee can set an example by setting up new ventures for themselves.
- Understanding about injuries and rehabilitation
- Awareness of the physiological responses to yogic exercise.

Learning Outcomes

- Work as a gym trainer, yoga trainer Fitness and wellness expert in health club
- In school for games and sports trainer
- Set up the wellness centre
- Sports and conditioning coach.
- Sports report writer
- Recorder
- Match Scorer
- Sports and fitness test analyser



As the journey began, there were many activities conducted to meet the learning objectives and making the trainees proficient of Sports Fitness & Yoga Application and Sports Digitalization and Performance Management. The first phase of both courses were introduced with the research lab where the human performance laboratory included with exceptional body composition machines, Trade mill, free weights equipment, lung performance testing machines, electro-myography machines. They progressed with getting acclimatised to the exercising programme design on the training machines for thorough going in the course for better outcomes in the biomechanics laboratory which also included with assessment of the strength on iso-kinetic machine. The trainees learned to document the content of the learned activity digitally.

The Sports activities were held during where they not only learned the rules and regulation along with the amount of efforts need to put to achieve the medals at certain point. In one year, all trainees have been gaining the knowledge with fruitful activities.

- Conclave
- Fashion Show By R.K. Enterprises
- Academic Week
- Sports week
- Moscow Event

Internship / Placement

This made them capable of achieving their internship in various esteemed organisations i.e.

- Cycling federation (Sports Authority of India)
- Morarji Desai Institute of Yoga (Sansad Marg)
- Bhaichung Bhutia Academy (Football Academy in Gurugram)
- Sehwag Cricket Academy (Cricket Academy Greater Kailash)
- Little Monks (Teaching School)
- Govt., Sarvodaya Bal Vidhyalya schools
- Curlfit Academy

Sports Digitilization and Performance Management

Sports Digitilization and Performance Management (SDPM) Programme is an excellent learning programme & very well design programme or course running now a days. This course provides

the knowledge about the digital technologies used in sports as well as also provide the management & sports marketing knowledge which more important to learn in this fields.

The students are learning very well about the subject. The sports digitalization & performance assessment skill course introduce the student to the sports ecosystem also. Regarding these things students are also shaping their career & promoting the sports arena at higher level as well as provide the practical knowledge about the course through the internship programme by this student can learn more easily.

This is a generation of digitalization, so the students are completely learning the skills about how to handle the new gadgets & new sports equipment. The students can handle the new technology-based machines.

Job Prospectus:

National Sports Organizations like Sports Authority of India, National level federations and State level federations

Sports Performance Assessment Executive

- Assistant to Strength & Conditioning Exercise Trainer
- Assistant Rehabilitation Trainer
- Assistant Player &Gym Trainer
- Athletic Fitness Trainer
- Fitness Consultant
- Assistant Health promoter

Assitant Health promoter

- Sports Performance Testor & Assessor Executive
- Teaching job: Demonstrator
- Sports and Club Merchandise
- Sports Product Sales Promoter
- Logistics Executives
- Event Promoter
- Sports Marketing Firm
- Event Coordinator Executive
- Events & Operations Executive

The Trainees have learned to digitalize the data gathered and to analyse for the better performance of the athletes. The Trainees enthusiastically took part of respective programme: -

- Conclave

- Fashion Show By R.K. Enterprises
- Academic Week
- Sports week
- Moscow Event

Internship/Placement

This made them capable of achieving their internship in various esteemed organisations i.e.

- Execution Master
- Cycling Federation of India (Sports Authority of India)
- Academy of sport Sciences and research Management

Beauty Wellness Consultant

The Programme is aimed at training the candidates for the job of Beauty Wellness Consultant and aims at building Key Competencies for excellence in the eve growing field of Beauty Wellness. This will give full knowledge about all aspects of beauty aspects to discover new avenue as well as Career and Professional Growth under a Creative & Modern Learning with international standards

Course Objectives

With development and integration of Beauty Wellness Consultant courses, participants will be able to maximize sales and brand awareness by providing exceptional customer care in a friendly, efficient and professional manner; gives impartial, personalized, expertise and advice regardless of brand and budget. The participants have knowledge not only to products but also the cosmetic products manufacturing with good solutions for customer beauty needs, including mini-makeovers and skincare consultations.

SKILLS THAT SHAPES THE WORLD HANDS ON, MINDS ON, HEARTS ON

Job Prospectus

- Cosmetics industry
 - Products and formulation management
 - Cosmetics products sales and marketing.
- Beauty & Wellness Clinics
 - Beauty manager
 - Clinic manager
 - Beauty counsellor
- Beauty Trainer
- Beauty Business Starts ups /Entrepreneurship.
- Beauty Therapist

- Training Manager (Technical)
- Front Desk Management in Salon
- Beauty Experts

Program Outcomes

- Provide technical know-how about interventions related to aesthetics and Beauty wellness.
- Provide preliminary technical know how about Cosmetics products.
- Front desk management of Beauty salon & Beauty clinics
- Create a positive impression at the work place.
- Adviser for Health and Safety of Beauty Products to end use.
- Sales and management of Cosmetic Products.
- Motivation of the Client for Purchase of products for Beauty, Skincare & Hair care including spa.

Beauty and Wellness activities were held during the whole year, where they not only learned the beauty wellness and aesthetic science based secrets along with the procedures, manual and amount of efforts need to put to achieve the medals at certain point. In one year, all trainees have been gaining the knowledge with fruitful activities.

- Workshop in Innovative Approach for Beauty Therapy
- Career Conclave
- Market Survey
- Loreal Paris look & learn Seminar by world famous Hair Expert Mr. Guy Kremer
- Workshop on Hair care , Hair cut & Hair Styling
- Expert talk by renowned speaker
- Fashion Show By R.K. Enterprises
- Moscow Event

Internship/Placement

This made them capable of achieving their internship in various esteemed beauty sectorbased organisations i.e.

- ALPS Beauty Group
- Glorious Make Over
- Smart look beauty point
- S n K Makeover studio
- Elegant Beauty Point
- Hair & Beauty Lounge

ACADEMY OF SPORTS SCIENCES RESEARCH & MANAGEMENT



(Mr. Anshul Bagai)

Academy of Sports Sciences Research and Management (ASSRM), the sports science department, was started under the aegis of Delhi Pharmaceutical Sciences and Research University with the vision to be the ultimate destination for sports science education. Currently three types of educational programs are running which are as follows:

- An undergraduate three-year course in B.Sc. (Hons.) Sports Science.
- Diploma courses in Sports Pharmacy and Sports Management.
- Skill development courses (an initiative of Delhi Government under World Class Skill Centre) in

Sports fitness & Yoga Application and Sports Digitalization & Performance Management.

The three-year program in B.Sc. (Hons.) Sports Science is designed to equip students with both theoretical and practical knowledge in sports science and use the skills to contribute to the development of sports in our country. ASSRM formulated seven committees for increasing staff-student interactions. The committees provide an opportunity for students to share their views and ideas related to academics, sports, public relations etc. The sports committee organized its sports event 'Khel Chakra' Sports Festival. The junior vs seniors sports event had a variety of games from Volleyball, Basketball to Kho Kho.



During the course the students go through internships and industrial training. Some of the agencies that have encouraged our graduates are Pulella Gopichand Academy, Sports Authority of India, Sportz Village, The Sports Kartail, Fitsco

Sports Academy, SAI Boxing Academy, The Sports Company, Sports Medico, Allsport, HTC Sports, Delhi Capitals, Young Star Academy, Football Delhi, Inuteq, Rajendra Public School and Decathlon.



The infrastructure for the department includes a Human Performance Lab, Biomechanics lab, Computer lab, Fitness Studio, multipurpose Sports ground and Smart Class Rooms. The research laboratories are equipped with Iso-kinetic machine, Body Composition Analyzer, Timing Gates, Lung Function Testing Equipments, Electro-magnetic Capture System and Video-graphy Cameras,

Dynamometers (leg, back and grip), Skin-fold Calipers and Kin-anthropometry tools. These research facilities are utilized by the students conducting minor and major research projects in different semesters.

This academic year, ASSRM is coming up with M.Sc. Sports Science to give the fresh graduates a chance to pursue higher studies in sports sciences.



BIOMECHANICS LAB



HUMAN PERFORMANCE LAB



FITNESS STUDIO



BIOMECHANICS LAB



HUMAN PERFORMANCE LAB

ASSRM INITIATIVES

- **Symposium on Sports Education**

The Sports Education Symposium series organized by ASSRM on 1st March 2019, at Delhi Pharmaceutical Sciences & Research University Campus. The motive of symposium was to give a fresh perspective on application of science in sports and to introduce Skill Development Program/WCSC & opportunities in Sports Industry/ higher education in development sports culture

- **Digital Workshop – All India Police Sports Control Board**

ASSRM conducted the workshops for All India Police Sports Control Board (AIPSCB) for digitalizing its event at DPSRU campus. The three-day training program introduced the AIPSCB members with various aspects of conducting tournaments and showcasing events. This event was attended by police of different State/CPO's

- **Motor Skill Development Games**

ASSRM also organized a modernization training program "Implementation Methodology for Motor Skill Development Games for Primary Students" for 1000 teachers of Kendriya Vidyalaya Sangathan at Delhi Pharmaceutical Sciences & Research University Campus.

The three-day training program introduced the primary school teachers with various aspects of communication skills, fitness assessment methods, nutrition and modified and recreational games. Industry experts shared their knowledge on the topics with the participants.

- **Indian Olympic Association**

IOA is implementing its flagship program Olympic Education Program (OEP) where ASSRM has

been identified as the prospective 'Education/ Knowledge Partner' because of the strong expertise in development and execution of customized and curated education programs.

Through OEP, ASSRM will not only disseminate the education through its various communication and implementation channels but also help and develop a solid framework for making the sports ecosystem self-sustainable and formulating the policies which will make the Indian Athletes stand out at the global stage.

- **Going Digital- ClassONcloud**

ASSRM implemented a Digital Ecosystem months before the strike of the Global Pandemic, which is not catalyzing the need of going digital. As a result of this, there was no loss in the planned sessions and curriculum delivery to the students. Online Classes, Attendance Management, Polls, Quizzes, Recorded Sessions, Student Engagement Analytics are few of the features available on the platform. The name of the Learning Management System is classONcloud. ClassONcloud Program by eExcellence is a digital learning program designed for Enhanced Dissemination of information digitally. It aims at achieving innovation in the field of education by transforming instructions to create better and more impactful learning opportunities for students.

- **Research & Startups**

ASSRM has enabled our students to take up independent researches and projects and looking forward for tie-up with various national sports bodies to enable them to conduct researches and projects for in Sports Science.

ACADEMIC PRIDE, GPAT AND TOPPER STUDENTS

(Dr. Ramachandran Khatri & Dr. Himangini)

GPAT QUALIFIED STUDENT LIST

Mr. Yash Verma student of B.Pharm. 4th year DIPSAR scored 15th rank in GPAT 2019 whereas Ms. Priyanka Chauhan and Ms. Gauri Bhardwaj

student of DIPSAR grabbed the 80th and 93rd position in GPAT 2020. 18 students of DIPSAR and 29 students from DPSRU had cleared the GPAT 2020. Out of these 3 students comes in top 100 and 6 students in top 200 GPAT list.

DIPSAR		
S. No.	Name of Student	Marks/Rank
1	YASH VERMA	280/15
2	PRIYANKA CHAUHAN	246/80
3	GAURI BHARDWAJ	244/93
4	PREETI	239/112
5	JYOTI RANI	210/368
6	SHRUTI DHALLA	209/388
7	POOJA RATHORE	195/661
8	PRIYANKA MONDAL	190/750
9	MOHINI	190/760
10	NIKITA KUMARI	170/1489
11	MOHIT AGRAWAL	168/1613
12	RUCHITA SANTRA	161/1968
13	ROKSHI	146/3182
14	KAMINI	142/3564
15	HARISH	141/3646
16	PRIYA RATHORE	134/4600
17	TUSHANT	77/20981
18	REENA	69/24936

DPSRU		
S. No.	Name of Student	Marks/Rank
1	SHIFA	235/136
2	HAFSAH ASIF	228/175
3	AARZOO	222/223
4	RAKSHITA	211/348
5	AJAY KUMAR	207/411
6	KAPIL	205/458
7	VINISHA	203/481
8	SIMRAN OHRA	195/638
9	JAISHREE SAH	192/711
10	DISHA	192/709
11	GARGI ARORA	191/742
12	KANU PRIYA	188/815
13	HARSH	186/871
14	VIKAS	185/905
15	DEEPAK	183/988
16	BUBHUSHA	181/1073
17	AGAM SHARMA	181/1036
18	ASHISH GERA	177/1204
19	PIYUSH	170/1491
20	SHUBHAM	166/1686
21	ANU KUMARI	166/1680
22	YACHIKA GOEL	165/1707
23	SALMAN	153/2524
24	AKASH	151/2696
25	YASH	147/3088
26	MD. SAHIL	145/3281
27	SANDEEP	124/6369
28	PARIKSHIT	121/6760
29	LAKSHAY	115/8114

ACADEMIC TOPPERS (2019)

D.Pharm



Charu Juyal
(D. Pharm 2nd Year)

B.Pharm



Lucky Maurya (B.Pharm 4th
Year, DIPSAR)

B.Pharm



Disha Chatterjee (B.Pharm
4th Year, SPS)

B.Physiotherapy



Archana Jha
(BPT 4th Year)

M.Pharm



Purnima Manocha
(Pharmaceutical Chemistry)

M.Pharm



Rohan Aggarwal
(Pharmaceutics)

M.Pharm



Pooja T Vaishnavi
(Clinical Resaerch)

M.Pharm



Rashmi Kumari
(Hospital Pharmacy)

M.Pharm



Poornima Sharma
(Quality Assurance)

M.Pharm



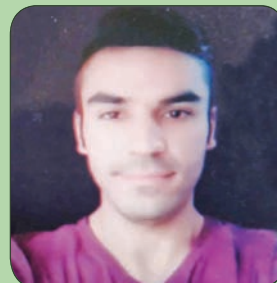
Himanshi Walia
(Pharmacology)

M.Pharm



Chetna Kaushik (Pharmacognosy
& Phytochemistry)

M.Pharm



Kunal Gogna
(Drug Regulatoty Affairs)

M.Pharm



Manisha Sharma
(Cosmeceutics)

M.Pharm



Mini Jha
(Pharmaceutical Analysis)

M.Pharm



Mansi Gupta
(Industrial Pharmacy)

M.Pharm



Hitesh Kumar (Pharmaceutical
Biotechnology)

M.Pharm



Mugdha Kesh
(Pharm. MBA)

Allied Health Sciences



Anupam Singh (Master in
Hospital Management)

Allied Health Sciences



Astha Singh (Master in
Public Health)

EXTRACURRICULAR ACTIVITIES & CULTURAL PROGRAMS



(Dr. Rajiv K. Tonk & Cultural Secretary)

International Yoga Day Celebration, 21st June 2019

International Yoga Day' 2019 was celebrated on 21st June' 2019, Friday in Delhi Pharmaceutical Sciences & Research University, New Delhi. Where students, and teaching and non- teaching staff participated whole heartedly. The Chief Guest for the program was Dr. Anil Jain who is serving as Yoga Guru and Health advisor in Central Govt.



of India. The Guest of Honors were Dr Arun K. Aggrawal, (ENT Consultant, Apollo Hospitals, New Delhi), Dr. R. C. Deka, (Ex- Director AIIMS) and Mr. K.S. Popli, (Ex- Chairman, IREDA, New Delhi). Acharya C.P. Ray, Yoga Instructor, DPSRU, made everybody to practice Yoga asana and meditation. Program was initiated by distribution of T-shirts and ended by distribution of healthy refreshment. This day will always be cherished.



Orientation Programme (UG Courses) 2019, 22nd July 2019

The Fresher's Orientation Programme was organized for the Academic Session 2019-20, at G.K. Narayanan Auditorium, DPSRU, New Delhi. Newly joined students of B. Pharm, D. Pharm and BPT attended the programme. The programme commenced with the lamp-lighting ceremony. The Vision of DPSRU was presented by Hon'ble Vice Chancellor, Prof. Ramesh K. Goyal. In his address to the newly joined students, he said that the main vision of DPSRU is to be the ultimate destination for education, training and research in Pharmaceutical Sciences and allied areas and thereby, cater the health needs of the people at large. His motivational

and inspiring words encouraged the new students and made them more positive about DPSRU. The chief guest for the programme, Prof. Harvinder Popli, Dean DPSRU, Offg. Registrar, gave a brief about the University and DPSRU Innovation and Incubation Foundation (DIIF). It was followed by an address by Prof. D.P. Pathak, Director, DIPSAR. Then the chief guest Dr. S. Eswara Reddy, addressed the newly joined students of DPSRU and DIPSAR, and their parents. He laid out his vision to promote public health before the students. It was followed by the Oath of Pharmacy, which was administered by Dr. Rajiv Tonk to the new students of DIPSAR and DPSRU. Refreshment boxes were distributed to all the students and parents by the Volunteers after the end of the programme.



Orientation Programme (PG Courses) 2019, 13th August 2019

The PG orientation program began in University auditorium with the welcome of the students, their parents, dignitaries, faculty members, Guest of Honour Sh. S.S. Gill (IAS), Director, TTE, Shri Ajay Dutt, MLA Ambedkar Nagar and Chief Guest of the event Shri Manish Sisodia, Deputy Chief Minister, Delhi, who graced the occasion with his presence. The major objective of the program was to make the parents and students aware of the academic aspects of the course, the rules and regulations of the University, and ensuring parental participation in monitoring the performance and progress of

the students. Prof. Rajiv K. Tonk, the Patron of the Student Council briefed the students about the Co-curricular activities & rules and regulations of the University. The Vice-Chancellor, Prof. Ramesh Goyal gave a presentation on the progress and achievements of the University. Prof. Harvinder Popli described the progress and vision of DIFF Incubation centre at University. Shri Ajay Dutt Ji expressed the way by which students can achieve their goal easily. The Chief Guest of the program in his address to the students and parents said the importance of setting goals for learning as well as the core values to be followed for academic achievement.



73rd Independence Day Celebration, 15th August 2019

The 73rd Independence Day was celebrated with national spirit and respect at DPSR University Campus. The ceremony started with customary unfurling of the National flag by hon'ble Vice Chancellor Prof. Ramesh K. Goyal in the sports

complex ground with university staff, students and parents. The Spirit of freedom and unity was celebrated by the melodious performance of Raag (the music society) which was dedicated to the martyrs of independence struggle of India. The celebration was blessed by the presence of Mrs. Shakuntla Goyal. After group photo, sweets were distributed to all with the slogan Jai Hind!



Teacher's Day Celebration, 5th September 2019

Teacher's Day was celebrated in Dr. G.K. Narayan auditorium of DPSR University on 5th September 2019 in the remembrance of Dr. Sarvepalli Radhakrishnan's birthday. The program began with lamp lighting ceremony by all the teachers followed by their felicitation by the members of the student council with flower buds as a token of respect. In the beginning, the audience enjoyed the legendary

speech of Chief Guest, Hon'ble Vice-chancellor, Prof. R. K. Goyal and the words of wisdom by the guest of honour, Prof. Harvinder Popli, Offg. Registrar. Prof. D. P. Pathak, Offg. Director, DIPSAR & Prof. P. K. Sahoo described importance of teacher's day celebration in his address to the gathering. All the performances were accompanied through the huge round of applause and teachers enjoyed the programs thoroughly. Overall, the event was a great success leaving all teachers happy.



Swachhta Hi Seva Campaign & FIT India Plogging Run

On Tuesday 1st October, 2019 National Service Scheme (NSS) of Delhi Pharmaceutical Sciences and University organized Swachhta hi seva campaign & FIT India Plogging run initiated by Government on India in amalgamation with Dengue Prevention Scheme called "10 Hafte, 10 Baje, 10 Minute" initiated by Government of NCT of Delhi in the university campus. All the NSS volunteers along with the university teaching and non-teaching staffs actively participated in the event. Event commenced with an informative speech by Gurpreet Kaur, NSS DPSRU Volunteer about the Swachhta hi seva campaign & plogging run initiated by the Chief Guest Dr. Dinender K. Singla, Professor of Medicine at the Burnett School of Biomedical Science, College of Medicine, University of Central Florida, by Honorable Vice Chancellor Prof. Ramesh K. Goyal and Registrar Prof. Harvinder Popli. Thereafter, students were espoused by Prof. Ramesh K. Goyal where he acquainted them with the objectives and goal of the plogging run and reflected his profound knowledge



on plastic and urged the students for its use at the least, He highlighted the hazardous effects of the same for the environment and one's health. Prof. Goyal added about Dengue in his speech and shared the positive statistics of dengue cases reported in Delhi NCR. The run began in front of Dr. GK Narayanan Auditorium where the participants were provided with hand gloves, face masks and garbage bags for collection and moved towards the university cafeteria followed by DPSRU building including the Hostel area too and ended back at the auditorium. Students picked up plastics and looked for any stagnant water in the university campus. NSS Coordinator Dr. J. Swaminathan and NSS Programme Officer Dr. Rajiv Tonk encouraged the students throughout the run and at the same time students committed themselves completely to bring about a positive change and raise awareness. There was an atmosphere of learning and attempt to make change. Everybody received refreshment boxes after completion of the programme. This event surely transformed student's mindset and thoroughly motivated them to put a step forward towards a healthier environment.



Rashtria Ekta Diwas

On 31st October, 2019, NSS DPSRU Organised National Unity Day with great zest and zeal to commemorate the birth anniversary of the chief architect of modern India, Sardar Vallabhbhai



Patel on. A special assembly was organised by Dr. J. Swaminathan, University NSS Coordinator. Students and staff pledged to dedicate themselves to preserve the unity, integrity and security of countrymen.



Gurupurab Celebration, 4th November 2019

To celebrate 550 years of Guru Nanak Dev Ji's Gurupurab, the students of DIPSAR and DPSRU joined hands together to celebrate this auspicious event with such great respect and honor on 4th November 2019 in the auditorium of the college premises. The event is being celebrated since 2006 which is just getting bigger and better year by year with the contributions and efforts of each one of us- students, teachers and all the personnel involved in making the event successful. The vibe of the celebration was doubled by the efforts put by the students in decorating the auditorium along with taking care of all small and big things involved in the celebration of Gurupurab. It started with prakash of Guru Granth Sahib Ji in the auditorium



followed by Sukhmani Sahib Paath, katha by Gurudwara head preacher and kirtan. The katha was commenced by the preachings about the history and the teachings of Guru Nanak Dev ji. Later, hymns of God (kirtan) were sung by students of DIPSAR and DPSRU. The auspicious occasion was ended to seek the blessings of God by Ardas followed by Sukhasan Sahib (closing ceremony of Guru Granth Sahib Ji) and distribution of Karha Prashad. The event was concluded by the Langar arrangement that was accomplished by the help of the student volunteers who took part in distributing the various items of food made and everyone was invited to sit and enjoy having langar.

Waheguru Ji Ka Khalsa, Waheguru Ji Ki Fateh!



Fresher's Day Celebration, 7th November, 2019

The freshers' party of DIPSAR & DPSRU 2019 was celebrated in the University auditorium. The function started with the lamp lighting and welcome address to freshers by hon'ble Vice Chancellor Prof. R. K Goyal, followed by the motivating speech of Prof. Harvinder Popli, Dean. During inauguration the Office bearers of the student council-2019 were introduced by Dr. Rajiv Tonk (Patron, Student Council) as Dr. Satish Manchanda (Treasurer), Mr. Narayan Yadav (President), Md. Sahil (Vice

president), Mr. Praful Tiwari (Cultural Secretary), Mr. Alok Singh (General Secretary), Mr. Nitin Kumar (Joint Secretary), Mr. Rohit Singh (Sports Secretary) and Ms. Aaradhita (Girls representative). All the elected Office members were felicitated by the Hon'ble Vice Chancellor and other dignitaries present there. Mr. Deepak Khari & Mr. Harikant were selected as Mr. Freshers'-2019 and Miss Riya Dixit was selected as Miss Freshers'-2019. The event ended with a dance session enjoyed by all the students and staff of the University.





AICTE Vishwakarma Awards 2019

In the words Mahatma Gandhi “The future of India lies in its villages”. The AICTE Vishwakarma Awards 2019 was organised by All India Council for Technical Education (AICTE), Ministry of Human Resource Development, Govt. of India for promoting innovative spirit and scientific temperament for holistic development of society through the stake holders of its approved institutes. According to census 2011, nearly 69% of our population lives in rural areas. Therefore, our rural landscape forms the most crucial component in the economic development of India. The value additions in such a large market offers tremendous potential for societal impact with monetary gains as well. Hence, the overall prosperity of our Nation lies in the development of its rural areas. Hence the problem statement for the AICTE Vishwakarma Awards 2019 was “How to enhance the income of a Village”.

We are pleased to share that a team of four students “Team Pharmareps”, mentored by Dr.

J. Swaminathan and curated by Ms. Ankita Gaur (B.Pharm 3rd Year, DPSRU) as the team leader comprising of Mr. Aman Dahiya (M. Pharm Industrial Pharmacy 1st Year, DPSRU), Ms. Aayushi Kuchroo (B.Pharm 3rd Year, DIPSAR) and Mr. Prabhjeet Singh (B.Pharm 2nd Year DIPSAR) participated at AICTE Chhatra Vishwakarma Awards (CVA) 2019 with their innovative idea “Swayam Kala: A handicraft conduit between the rural and urban population” of increasing livelihood in rural areas through intervention in Technology/ management practices. Their idea qualified two rounds out of 5000+ applications from all over India and reached till the AICTE Regional Level convention held on 10th January, 2020 at Jagan Institute of Management Studies, Sector 5, Rohini and proudly represented DPSRU as one of the top institutional teams of AICTE North West Region which includes four states namely Punjab, Haryana, Rajasthan and Delhi. Team Pharmareps was the only team from pharmacy background to present their project in the regional convention and we cannot be more honoured than this.



Lohri, Makar Sankranti and Pongal Celebration, 14th January 2020

Lohri, Makar Sankranti & Pongal were celebrated with utmost zeal in the university campus. The celebration started by gathering around bonfire, offering sweets and popcorn to the flame by chanting of mantras. After offering prayers, peanuts, popcorns, and rewaries, Til-laddu and tea were served among the gathering. The festival

of harvest was celebrated with utmost zeal and enthusiasm. Lohri is essentially a festival dedicated to the Sun god. It is a joyous time to eat gur and peanuts, sing songs and share the warmth with loved ones. This festival was celebrated with Dhol and dance by the students and teachers alike who shared the warmth on the cold day by their mirth and dancing together with full diligence and earnestness.



71st Republic Day Celebration, 26th January 2020

This year the Indian Republic day was celebrated as 71st Republic day by the staff and students with nationalistic fervour and great joy. The celebration started with the customary unfurling of the national flag by Prof. R. K. Goyal VC, DPSRU followed by the National Anthem. Then the march past of the ex-servicemen personnel begun around the university sports complex ground. The guard

of honour and salute was taken by the Hon'ble Vice-Chancellor and Registrar along with staff and students standing beneath the National Flag. In the presidential remark to the gathering, Prof. R. K. Goyal explained the real meaning of honesty, patriotism, humanity and divinity. further, he has also suggested ways, that how these four qualities could be developed in students. He urged the student to use their strength in a right way for the development of the country.





Saraswati Puja, 30th January 2020

On Vasant Panchami, the students and staff of the university assembled together in the Dr. G. K. Narayanan auditorium to get the blessings of Maa Saraswati the goddess of knowledge, music, art and culture. The ritual was graced with the presence of Prof. D. P. Pathak, Director, DIPSAR and all the teaching staff and students.

Both the faculty and students joined hands together, with great zeal and hope to make

the ritual a memorable one and to evoke the blessings of goddess of knowledge to have fruitful academic year and personal growth. Prof. Pathak appreciated the efforts of student union and the staff for upholding the traditions and imparting the respect to our deities. The ceremonial was conducted by priest, who not only performed the puja but enlightened the students on the concept of worshipping goddess saraswati, ending the puja with distribution of Prasad.



University Annual Day Celebration, 1st February 2020

The first annual day of University was celebrated in on 1st February 2020 in University auditorium. It is an occasion of celebration, felicitation, feast and festivity when students present not only their wonderful performances but also receive honours for their curricular and co-curricular achievements.

The function started with the Ganesh Vandana & lamp lighting. The programs were presided over by Sh. S. P Singh, IAS, Prof. S. Dwivedi, Chairman BOG as Guest of Honor, Hon'ble Vice Chancellor, Offg. Registrar and Offg. Director DIPSAR. The Annual Prize Distribution function was a moment of pride and honour for all the winners and achievers of the University. The students were awarded prizes in the Academic as well as Co-Curricular areas.



Annual Sports Meet 2020

Annual Sports Meet 2020 was held in DPSRU for three days from 25th February to 27th February' 2020. A total of 283 students participated in 12 different indoor and outdoor games. Students from all schools of DPSRU i.e. School of Pharmaceutical Sciences, School of Physiotherapy, School of Allied Health Sciences, DIPSAR, ASSRM, Certificate Course in Yoga and WCSC, participated whole heartedly and with true sportsmanship. The participation ratio of boys and girls were equal.

The meet was declared to be opened on the very first day of meet during inauguration by Hon'ble Vice Chancellor DPSRU, by lighting the torch and a martial run of the students lead by Sports Secretary, DPSRU, Rohit Singh. Prof. Harvinder Popli and Prof. D.P. Pathak also congratulated the students for participating in sports meet so enthusiastically and wished them all the very best for their competitions. Staff also participated in different indoor games and outdoor games.



DIPSARU ALUMINI FORUM (DAF)



(Prof. Harvinder Popli & Mrs. Manju Vyas)

The legacy & successful history of more than 55 years of College of Pharmacy, New Delhi (now DIPSAR-Delhi Institute of Pharmaceutical Sciences and Research University), from the grounds of Pusa Institute to the new journey of pharmaceutical sciences, presently the first Pharmacy university of India, Delhi Pharmaceutical Sciences & Research University, has successfully created its alumni forum DAF (DPSRU Alumni Forum).

DAF joins the experience and rich heritage of over 50 years of presence of DIPSAR, with the current strengths of healthy foundation and skills at DPSRU (Delhi Pharmaceutical Sciences and Research University).

The newly elected DPSRU Alumni forum, under the leadership of Dr. Rajiv Gulati boasts of the strengths of the legacy & rich experience of industry & academia, with the power of strong networking to usher an environment of cohesiveness & collaboration between the rich past & the upcoming future.

Dr. Rajiv Gulati is currently a Director on the Boards of VST Industries and Encube Ethicals. He also assists Infinion Bio Pharm and Multiples Private Equity firm, as an advisor.

His expectations from the vibrant Alumni association are where past graduates can provide mentorship and guidance to current students. In many cases the help may extend to scholarships and assisting with employability as well. Apart from that it's a powerful forum for the past graduates to harness each other's' expertise. There is a spectrum of knowledge with senior Alumni

across Quality, Manufacturing, Regulatory, Sales, Marketing, and Research etc. The possibilities to assist each other are immense. This vision is not possible to realize by one individual or even a handful of well-meaning individuals. Let's reach out to as many Alumni as possible, across the Globe, and harness the collective strength with the Use of powerful social media tools can negate the Physical distances.

DAF is a voluntary association, with an objective to uplift, support and strengthen associations amongst the alumni & students who have graduated out of DIPSAR (earlier College of Pharmacy) and DPSRU. DAF has been created with an objective to engage in & facilitate consultations on varied scholarly, industrial, academic and social issues in the areas of pharmacy, public health, healthcare innovation & more. We hosted some interesting events under the aegis of DAF:

DPSRU vision 2030 meeting with Alumni in August 2019

The prelude to the vision 2030 for DPSRU was formulated with esteemed presence of alumni. The alumni participated & contributed in how they envision DPSRU to be the growing in strength in pharmacy education delivery, research, innovation, upliftment of the profession of pharmacy & industry-alumni connect for the next 30 years.

The event saw participation of more than 50 alumni spread across the glorious history of DIPSAR, College of Pharmacy & DPSRU and felt encouraged & enthused to be the part of the process of carving the path of future for the university.





Panacea 2020 The Pharma Fest: 29th February –1st March, 2020

India's First Pharma Fest which encompassed the entire Pharma fraternity across the country was organized in collaboration with Indian Pharmacy Graduates' Association Student Forum (IPGA-Student Forum), Indian Pharmacy Graduates' Association (IPGA), Delhi Pharmaceutical Sciences and Research University and DPSRU Alumni Association. Organized as a two-day event on 29th February and 1st March 2020 at Delhi Pharmaceutical Sciences and Research University, New Delhi aimed to subsume students into a rich experience marked by both knowledge sharing and enjoyment, it was filled with interesting scientific and academic events along with spectacular cultural competitions. The momentum was intensified with a participation of students from across the nation, coming together to celebrate a fest like no other. Inaugurated by the Honourable Prof. Dr. RK Goyal, Vice Chancellor, DPSRU, along

with Shri Atul Nasa, President, IPGA, Dr. Harvinder Popli, Registrar and Principal, DPSRU, Dr. Arun Garg, Gen. Secretary, IPGA, the event saw an overwhelming response from 29 colleges of Delhi NCR and 12 colleges outside Delhi NCR with an average footfall of 900 students. It also included the participation of the IPGA Student Forum-Bihar Chapter. the fest was also joined by professional actors and Nukkad Natak specialists like Mr. Tarun Kohli, Mrs. Reeta Sharma, dancers like Ms. Arushi Solanki and Mrs. Shalini Solanki, Composers and Youtubers like Mr. Bali Kashyap, Celebrated poets like Mr. Aditya Mudgal, Women Entrepreneurs like Ms. Vaishvi Lakhina, Stylists like Ms. Samyukta, National Winner of EuroArts - Mr. Abhinav Sadana. The winners of the various competitions belonged to the colleges like Banasthali Vidyapeeth, Amity University, SGT University, MAIMS, IINTM, Jamia Hamdard, DIPSAR, DPSRU, NIET, Hansraj College, Deshbandhu College, ANDC, Maitreyi College, Satyawati College, Ramjas College, DU.



Women's Leadership Conclave: 6th March 2020

To celebrate the spirit of Women's Day, DIIF & DAF organized a leadership conclave in collaboration with SPER (Society of Pharmaceutical Education and Research). The conclave got enthusiastic attendance from both students as well as the

faculty. The entire day was filled with powerful presentations given by Ms. Abhilasha Gupta, Ms. Sangeeta Singh and Prof. Harvinder Popli, who enlightened the students on the importance of personality development and the need to develop women leaders in our society.



DPSRU ALUMNI FORUM 2020 Members

President- Dr. Rajiv Gulati

Vice- President- Mr. Brij Mohan Aggarwal

Secretary- Ms. Monika Targotra

Joint Secretary- Dr. Kriti Soni

Executive Members- Dr. Sarika Madan, Prof. (Dr.) Vandana Arora Sethi, Ms. Reena Bhattacharya, Mr. Surender Kamal, Dr. Sachin Kumar, Ms. Nupur Goel Nominated Members Dr. Manish Diwan, Dr. GP Singh, Dr. SL Nasa

Treasurer- Dr. Rajiv Tonk

Ex Officio Members:

Patron: Prof. Ramesh K. Goyal, Vice Chancellor DPSRU

Co Patron: Prof. Harvinder Popli, Dean and Off Registrar

Prof. D. P. Pathak, Director DIPSAR

Vision for DAF by Our Other Alumni Forum Members

Our vibrant **Executive Member, Ms. Reena Bhattacharya** is a Strategy Consultant & Managing

Director, Renuto Consulting and visiting faculty at DPSRU also shared her vision for the alumni forum. Her vision for the Alumni association is to build a platform for personal & professional network for bridging the gaps between industry & the institution. Our association would also foster connects, create engagements & build a community that works to uplift the profession of Pharmacy.

Mr. Surender Kamal, working as a Senior Manager-Regulatory Affairs, GSK Consumer Healthcare Ltd in Nutrition and Digestive Health Category shared his vision to have a commitment on transparency of goals and actions, along with a respectful, congenial and strong ties to industries in promoting mentorship, internship and career opportunities for students and Alumni."

Acknowledgement: We are thankful to Ms. Reena Bhattacharya and Ms Monika Targotra for their help in collating the information.



दिपसरु - कुलगीत

भेषज विज्ञान के कल्पतरु हे दिपसरु,
भारत भेषज के वैभव हे विपदहरु,
भेषजीय विज्ञान अभिज्ञान भेषजगुण विज्ञान दिपसरु।
स्नातक परास्नातक वारिधि के गुरुकुल हे विषम हरु॥ भेषज...
भेषज गुण औषधीय वृक्ष, विज्ञान के संगम हे दिपसरु,
हे दिपसरु महान तुम्हारी जय हो जय जय जय हो॥१॥ भेषज...

ज्ञान भारती मातु शारदे, ईशु नानक धनवंतरी हो।
भेषज के इस विद्यापीठ को अपना मंगला शिक्षा दे दो॥ भेषज...
बहे निरंतर दिग दिगंतर, ज्ञान की धारा, ये यश पूरित कर दो।
इस परिसर में तकनीकी ज्ञान को विश्व पलक पर रख दो॥ भेषज...
सुजान प्रदान कर दो, बने विमल मति आस यह पूरी कर दो,
हे दिपसरु महान तुम्हारी जय हो जय जय जय हो॥२॥

प्रोफेसर (डॉक्टर) श्रीधर द्विवेदी





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(Established under act 07 of 2008, Govt. of NCT of Delhi)
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