



Govt. of NCT of Delhi



DELHI PHARMACEUTICAL SCIENCES AND RESEARCH UNIVERSITY

PHARMANNUAL 2018-19



**THE FIRST PHARMACY UNIVERSITY DEDICATED TO THE PHARMACEUTICAL SCIENCES IN INDIA
INCORPORATING IT'S CONSTITUENT COLLEGE
DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH**

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LIEUTENANT GOVERNOR
DELHI



राज निवास
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RAJ NIWAS
DELHI-110054



MESSAGE

I am pleased to learn that the Delhi Pharmaceutical Sciences and Research University (DPSRU) is bringing out its Annual Report titled as Pharmannual 2019 for the year 2018-19.

Pharmaceutical sciences are an important constituent of our health care system and have seen several paradigm shifts in the last century. As such, there is a constant need to equip personnel with multiple skills encapsulating hard core genomic sciences with medical technology and engineering, for the welfare of the people.

The DPSRU has emerged as one of those centers of learning in India that have kept pace with the developments in pharmaceutical profession. It is the first university in India which is dedicated exclusively to the pharmaceutical and allied sciences. I am pleased to note that the DPSRU has taken a lead in exploring biodiversity for development of traditional medicine formulations in collaboration with foreign Universities.

I am sure that the DPSRU would continue to provide skilled and specialized professionals to the industry besides engaging in cutting edge research and development activities.

I wish the DPSRU all the best for their future endeavours !

(Anil Baijal)

1st June ,2019

Prof S Dwivedi
MD , PhD , FRCP (London),FAMS
FIACS (Canada), FCSI, FISAR,FISH
Senior Consultant Cardiologist ,
Chairman , Board of Governors ,
Delhi Pharmaceutical Sciences and Research University



MESSAGE

It gives me immense pleasure to write a message for the PHARMANNUAL - 2019 of Delhi Pharmaceutical Sciences and Research University (DPSRU). The way this newly found premier pharmaceutical university is making progress in all directions , be it education , research , health care (physiotherapy) , discharge of corporate responsibility and skill development will be evident from the Pharmannual-2019. I take this opportunity to congratulate the young and dynamic faculty of the University particularly those who are providing excellent services in newer areas like physiotherapy , sports pharmacy , health management , clinical research , biodiversity related to herbal drugs , nanotechnology , skill development etc. Such ventures add value to the university and create ripple in young minds. Being the first University in Pharmaceutical Sciences , DPSRU ,has special responsibility of acting as a trend setter in this field.

I am sure the entire faculty of DPSRU and its constituent Institute DIPSAR under the able leadership of Vice –Chancellor and its distinguished faculty will make every effort to make this University as a model university and Centre of Excellence for Pharmaceutical and Allied Health Sciences. I wish good luck to this nascent upcoming University.


(Prof. S Dwivedi)

Chairman , Board of Governors
Delhi Pharmaceutical Sciences and Research University

MANISH SISODIA
मनीष सिसोदिया



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GOVT. OF NCT OF DELHI
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D.O. No. DYCM/2019/763
Date : 27/5/19

MESSAGE

I am happy to note that the Delhi Pharmaceutical Sciences and Research University is publishing its Annual Report for the year 2018-19. This Pharmannual 2019 provides a glimpse about the University and its entire gamut of activities and achievements.

It is also important platform for the students, faculty and staff members to express themselves, as it would be carrying vital information on the latest developments that are taking place. I am pleased with the endeavors of the University to promote the profession of pharmacy and allied sciences and bringing this important health care field in to the limelight.

I am delighted to learn that it has developed skill and employment oriented courses in sports sciences, yoga and cosmeceutics. I am sure, in coming time, it will develop more courses related to pharmaceutical science for community at large at the World Class Skill Centre in the University.

I wish to extend my best wishes for the publication of the Annual Report for the year 2018-19.


(MANISH SISODIA)



Sanjeev Khirwar, IAS
संजीव खिरवार, भा. प्र. से.
PR. SECRETARY (H&FW)
प्रधान सचिव (स्वास्थ्य)



सत्यमेव जयते

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GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI
स्वास्थ्य एवं परिवार कल्याण विभाग
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D.O. pnsecy hfw/247
Dated: 16/05/2019

MESSAGE

"Health is Wealth" though an old proverb but is of great relevance. Delhi Pharmaceutical Sciences and Research University (DPSRU) always thrived it's best to the field of health care. I am glad to know that the University is bringing out its Annual Report in the form of Pharmannual 2019.

With the courses like MPH, MHM, M. Pharm in Clinical Pharmacy and Hospital Pharmacy in addition to BPT, the University has demonstrated its commitment for health care needs for the society.

I express my best wishes to the faculty, staff and students all the success to communicate the society about the role of Pharmacy in upliftment of one's healthy living.

(Sanjeev Khirwar)
Pr. Secretary (Health & FW)
SANJEEV KHIRWAR, IAS
PRINCIPAL SECRETARY
Health & Family Welfare Deptt.
Govt. of NCT of Delhi
9th Level, Delhi Sect., New Delhi

शिव प्रताप सिंह भा.प्र.से.
सचिव

SHEO PRATAP SINGH, IAS
Secretary



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दिनांक 16.05.2019
Date:.....

MESSAGE

Today the system of education is very broad based. The student needs to be treated like a friend and teachers should be more of counselors. The word changes and the trends are different but the relation of a teacher and students remains the same. Teachers are role models and need to do their best for grooming the future of students.

I appreciate the efforts and hard work of the faculty and students for bringing out its Annual Report for the academic year 2018-19. I am delighted to note that in a very short span, the University has collaborated with about 20 National and International institutions. Further, it organizes several workshops, conferences and guest lectures for the benefit of students.

My heartiest congratulations to each and every member of the Delhi Pharmaceutical Sciences and Research University.


(Sheo Pratap Singh)

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



Department of Training & Technical Education
Government of NCT of Delhi

D.O. No. : ..P.S./Dir./TTE/Dir/2019/33

Date : ..27/05/2019.....

MESSAGE

I am delighted to know that Delhi Pharmaceutical Sciences and Research University is publishing its Pharmannual 2019.

The Pharmannual has outlined all the achievements and progress in selected key areas for the year 2018-19. In addition, the Annual Report has provided an update on the status of University endowment and financial results for the last fiscal year. I appreciate that University is imparting pharmaceutical education to the students to make them competent and contribute positively to the health sector. I am happy to learn that University continues to extend its collaborations to not only institutes of national importance and pharmaceutical companies but also foreign Universities. The report is not only a document but also reflection of accomplishments of various stakeholders at the University.

My best wishes to the students, faculty and staff members of the University.


(S.S. GILL)



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



MESSAGE

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
& Research University, New
Delhi

Former DG, PVC & Gp. Dy. PVC

Amity Group Universities,
Noida

Founder Director

Delhi Institute of
Pharmaceutical Sciences &
Research, New Delhi

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

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) ANI 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 Pharmacoconomics, 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 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 Pharmacoconomics, 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
National Research Professor, DPSRU
Founder Vice Chancellor, DPSRU



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

20 May, 2019



MESSAGE

It gives me immense pleasure to note that DPSRU is bringing out Pharm-Annual for the year 2018- 2019 to highlight the various achievements of the University.

With a legacy of 50 years, it has created and nurtured a vibrant culture to produce Scholars of high caliber who are well placed in Academia and Industry not only in India but in various Countries. I am also happy to note the DPSRU has established links with various Institutions which will further enhance the research in various areas of Health and Allied Sciences. This will be an excellent opportunity for both students and faculty to interact and establish state-of-art research on many fronts. The progress of the University for Past Two years has been excellent both in Academic and Social fronts. I am also happy to note that the Vice-Chancellor, 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 extent my best wishes to Vice-Chancellor, Faculty, Students and Staff members for the success in their career and for achieving the goals for which the University has been established.

(Dr. S. K. Gupta)

Prof. & Head Department of

Clinical Research

President of ISPOR (India)

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From the Vice Chancellor's Desk



Prof. Ramesh K. Goyal, Ph.D.
FIC, FAMS, FANSc, FIACs, FIPS, FICN, FSCH

With the blessings of Hon. Chancellor Shri Anil Bajjal ji, cooperation of Education Minister Dy Chief Minister Shri Manish Sisodia ji, Directions of the Board of Governors Members and Guidance of Members of various statutory bodies (Academic Council, Finance Committee, Board of Studies), Delhi Pharmaceutical Sciences and Research University (DPSRU) its 4th year (2019-2020), is now getting transformed from latent phase to active phase and internationalization. The first convocation of the University was held on 18th October, 2019. Our University initiated a dialogue for collaboration with the first Pharmacy University of the World China Pharmaceutical University, Nanjing, China and Dr Mahaveer visited Hunan University of Chinese medicine, Changsha, China and signed the MoU on the behalf of the University. Stavropol State Medical University conferred "Honorary Professorship" which is second only the honor 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.

Hon'ble Chancellor Shri Anil Bajjal ji, 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. This call was given by him after inauguration

of the International conference on "Challenges for Global Competitiveness of AYUSH and Natural Products and IASTAM Oration and Award Function" in February 2018 that attracted over 700 delegates with 100 top scientists and academics. 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.

Establishment of 'World Class Skill Centre' for health and wellness, an ambitious project of the Government, is yet another step taken up by on the call of Hon'ble Dy. CM Shri Manish Sisodia ji at DPSRU. We started three courses successfully in Beauty and Wellness, Sports and Fitness Management and Sports Digitalization and Yoga Application.

During the year 2018, orientation program was held not only for students but also for staff with the first Faculty Development Program (FDP) of the University. During this FDP, distinguished personalities like Shri Cyrus Mistry, Dr. G.N. Singh, Prof. Sridhar Dwivedi, Prof. S. K. Gupta, Prof. R.C. Deka, Dr. Arun Agarwal and Dr. Manish Diwan shared their expertise motivated facts.

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.

DPSRU has strong legacy of 55 years as college of pharmacy started in 1964, upgraded to research institute in 2004, DIPSAR and this year it got status of the Nodal office for Quality Improvement Programme (QIP) of All India Council for Technical Education. DIPSAR conducted four QIP in 2018-19. After getting the status of University, the intake capacity of the Diploma, UG and PG/Ph.D. courses increased from 180 and 35 in 2014-15 to 400 and 120 in 2017-18 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 15 excluding Ph.D. courses. In 2019-20, we are starting many other new courses like PG Diploma in Clinical research with Apollo Hospital Research & Education (AHRE), Skill development courses in Sports Sciences and Beauty & Wellness.

DPSRU continues to be have focus for research and innovation. Our faculty members published over 200 papers, filed 2 patents and got 56 awards. 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 like Alniche Pvt. Ltd., Cognitrex Pvt.

Ltd. And many others. We have well established innovative Centre: DPSRU Incubation and Innovation Foundation (DIIF). We have 16 startups now and six of them are in the phase of production and commercialization. One of the major breakthrough is the sanction by the BIRAC, DBT a grant of 4.72 Cr for establishment of BIONEST Center for state-of-the-art facility for pharmaceutical formulations and more start up in the field of health sciences.

On students front besides academics and research enrichment as mentioned above, and various extra-curricular activities were organized within and outside the campus of the university. Some of such activities include celebrations of World Physiotherapy Day, World Pharmacy Day, National Pharmacy Week. Independence Day, Republic Day, National Voter's Day, Annual Sports Day and National Science Day in addition to festivals like, Lohri, Vasant Panchami, Guru Parb and Iftar party etc.

On behalf of the University Staff and Students including our founder institute DIPSAR, I acknowledge mentors of the University, and alumni for their constant support.

Prof. Ramesh K. Goyal



Prof. D. P. Pathak and Prof. Harvinder Popli

Pharmannual is the annual magazine of DPSRU University, which presents news and features about academic programmes, departments, research activities, initiatives, accomplishments of students, faculty and administrators.

The editors strive within the pharmannual to uphold the long term objectives and mission of DPSRU and to inspire and aware the readers about ideas and issues that matter.

Indian pharmaceutical industry enjoys an important position in the global pharmaceuticals industry. Indian pharmaceuticals market is the third-largest in terms of volume and thirteenth-largest in terms of value. It has the highest number of USFDA plants outside the USA. It is amongst the global leaders in providing quality generics to the world. Every third tablet in the world is "MADE IN INDIA". Indian pharmaceutical industries supply over 50% of global demand for various vaccines, 40% of generic demand in the US and 25% of all the medicines in the UK. India contributes the second largest share of pharmaceutical and biotech workforce in the world.

The country accounts for the second largest number of Abbreviated New Drug Applications (ANDAs) and is the world's leader in Drug Master Files (DMFs) applications in the US. Indian drugs are exported to more than 200 countries in the world, with the US as the key market.

Currently, industry is gearing up for the next level of growth by shift towards specialty products, customer centricity, focus on improving quality, operational efficiency and productivity and selective mergers and acquisitions. Industry is developing more interest in Bio-technology based products; shifting to more non-communicable diseases and gene therapy based medications.

Many Indian companies are now in the race to create generic versions of biologic drugs or biosimilars. Since 2008, the Indian biosimilar industry has been

growing at a CAGR of 30%. Further, there has been a shift to non-communicable diseases (NCDs) based on aging, lifestyles and habits. Moreover, the rare disease sector is an important growth driver in the pharmaceutical industry. The pure-play rare disease sector is now more than 17% of the value of the big pharma sector, larger than the entire biotech sector.

The last decade has seen substantial accretion in industry valuations from adoption of biologics for the control of diabetes, inflammation, and cancer. We expect to see continued growth in the biologics field, fueled by growth in new biologics by improvements in the manufacturability of peptides. In longer-term, we expect substantial growth in the nucleic acid drugs built through approaches that include microRNA, RNAi (RNA interference), direct mRNA, gene therapy, and gene editing. Several other important areas of innovation are likely to shape the future of the pharmaceutical sector; these include cell therapy, NGS-driven medications, and innovations in digital health.

Moreover, last year BioPharma trend summarized several important trends affecting Biopharmaceutical industry, namely:

- Advancement in gene editing technologies (mainly, CRISPR/Cas9);
- Immuno-oncology (CAR-T cells);
- Microbiome research;
- Precision Medicine;
- Advances in antibiotics discovery;
- Utilization of artificial intelligence (AI) for drug discovery/development;
- Phenotypic and target based approach using more complex cellular assays using primary cell cultures; 3D cultures and co-cultures;
- Organs (body)-on-a-chip and Microchips lined by living human cells could revolutionize drug development, disease modeling and

personalized medicine. It can offer a potential alternative to traditional animal testing.

- Bio-printing of human tissues and organs which has been founded in early 2016, gives the 3D printable bioink, a liquid that enables life and growth of human cells.

All these new areas of bio-pharma innovation have become big data centric. This circumstance in itself presages a pre-eminent role for Artificial Intelligence, which comprises multiple, analytical and numerical tools undergoing continuously evolution.

Three most important criteria is to have more industry-academia partnership to cop up with these advances and innovations in the Pharmaceutical Research. We all are familiar that academia and industry are two important pillars of our economy. A robust collaboration between the two will augur well for our developing economy, enabling innovation, growth in the education system and producing an employment-ready workforce. For

several years, innovation in the education system has impacted the way pharmaceutical industry operates. Entrepreneurs and educational institutes need to build a constructive framework for collaboration to make India a global innovation hub.

Pharmaceutical industry plays a vital role in developing medications to reduce the incidences of diseases and enhances the quality of the life of mankind. The industry's main contribution is engaging in technological advancements through innovative research to meet the complex healthcare demands of the populations.

Delhi Pharmaceutical Sciences and Research university (DPSRU) is established with the main focus to work in collaboration with Industry, Research centres and Foreign universities to give innovative health solutions to the society. 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.



UNIVERSITY: AT A GLANCE

(Prof. Harvinder Popli & Dr. Ajit Kumar Thakur)

VISION

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.

MISSION

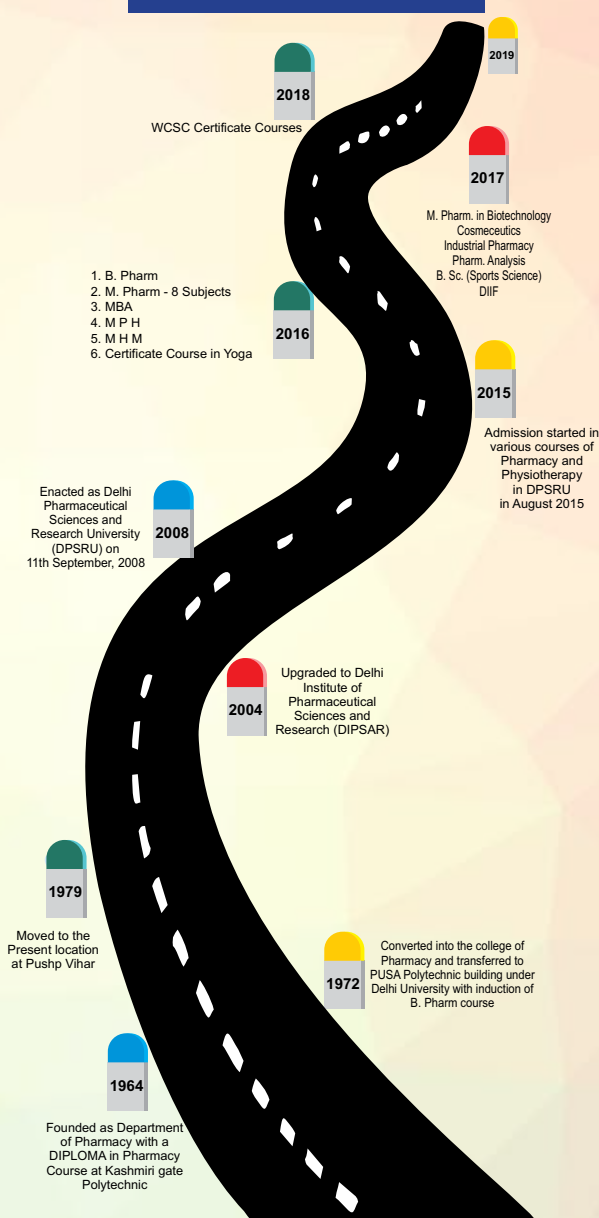
To provide able leaders, administrators and personnel who can take up responsibilities as pharmaceutical science professionals, suitable for community, industries and institutions related to health.

OBJECTIVES

- 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 inter-disciplinary approach such that they grow 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;
- To develop the spirit of internationalism and competitiveness in students such that they develop new original ideas and make new discoveries and inventions to make a strong society;
- To encourage students for, acquiring self-confidence, self-respect and self-dependence and instil moral values in students making them well disciplined;
- To pay special attention to the improvement of the social and economic conditions and welfare of the people from the health point of view.

Delhi Pharmaceutical Sciences and Research

MILESTONE



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 college 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 now 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

(Prof. S.R. Wakode & Dr. Jaseela Majeed)

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 10.3 acres having around 1500 students and around 200 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 PhD programmes in major streams of Pharmacy.



The infrastructure consists of the following state of the art facilities:

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. 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 the DIPSAR and School of Pharmaceutical Sciences 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. The following are the departments/schools/centres are functioning in the University.



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. Also environmental chamber, which can work in the temperature range of -10 to +60°C. The environmental chamber is also connected with data loggers to monitor the temperature at different times. It can simulate ambient temperature for validation of packaging materials particularly in case of temperature sensitive pharmaceutical products. Chamber testing involves testing and exposing products to various environmental conditions in a controlled setting. Climatic Chamber testing and Thermal Shock testing are part of this chamber testing. The department is 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 Nano particle drug delivery, Vesicular/particulate drug delivery and various targeted drug delivery systems. Focus is also given on formulation of Pharmaceutical dosage forms.

The department is equipped with latest instruments like:

- High Pressure Homogenizer (Microfluidiser model)
- Inverted Microscope
- Environmental Chamber
- Ultrasonicator
- PSS Zetasizer

- UV – Visible Spectrophotometer
- HPLC
- Backman coulter counter
- Disintegration and Dissolution Apparatus
- Fermenter
- DLS
- Vortex Mixer
- BOD Incubator Shaker
- Capsule filling machine
- Coating and polishing machine
- Rotary Tablet Punching Machine
- Autoclave
- Turbidity meter
- Ball Mill
- Microfluidizer
- Humidity Chamber
- Bulk Density Apparatus
- Friabilator (Monsanto and Pfizer)
- Tablet Hardness Tester
- Safety Cabinet Class-II
- Binocular Microscope
- Clarity test Apparatus
- Conical Percolator
- Flame Photometer

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 neuro-inflammation, cancer, diabetes and its complications, ocular therapeutics, cardiovascular disorders and metabolic syndrome. 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. 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:

- Multimode Microplate and ELISA Reader
- Western blotting Apparatus
- Lyophilizer
- HPLC
- Actophotometer
- Drug Analyzer
- Analgesiometer
- Semi Auto analyzer
- Lagendorff Assembly
- Deep Freezer
- Condon's Rat Manometer
- Response Apparatus
- UV Visible Spectrophotometer
- Lagendorff Assembly
- Digital Plethysmometer
- Fundus Camera
- Short Wave Diathermy
- Digital Actimeter
- Binocular Microscope with Camera
- Vortex Mixture/Shaker
- Autoclave

Department of Pharmaceutical Chemistry

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 drugs as well as evaluate those drugs which are already in the market. Focus of research involves screening of new chemical entities for anticancer, analgesic, anti-inflammatory anticonvulsant, anti-microbial and antioxidant activities. The M.Pharm Pharmaceutical Analysis course is designed to provide industry ready professionals for the analysis and quality control of pharmaceuticals with appropriate knowledge base, skill set, and practical expertise. Emphasis is also given for demonstration, calibration and validation of various analytical instruments as well as validation and Analytical method development

of 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 in academics, pharmaceutical, medical device companies, government agencies and research laboratories.

The department is equipped with sophisticated instruments like:

- HPLC
- Thermo Scientific Flash 2000 analyzer
- Attenuated Total Reflector (ATR)
- UV-Visible Spectrophotometer
- Flame Photometer
- Rotary Evaporator
- Parallel Synthesizer (6 Plus Reaction Station)
- Supercritical Fluid Extraction (SFE) unit
- Microwave Synthesizer
- Refractometer
- Micro Centrifuge
- Rotary flask shaker
- High Precision Balances
- Digital Colorimeter
- pH meter
- Conductivity meter
- Potentiometer

Department of Pharmacognosy and Phytochemistry

Pharmacognosy subject is one of the core branches in the pharmacy curriculum and Department of Pharmacognosy is involved in the study and research of various medicinal constituents of plants. The niche areas include bioactivity guided isolation and structural elucidation of pure compounds from medicinal plants as well as validation, standardisation of analytical marker.

The department has the following equipment.

- HPTLC
- Rotary vacuum evaporator
- Soxhlet apparatus
- Microscope
- Muffle Furnace
- Autoclave
- UV-Visible Spectrophotometer

- BOD Incubator
- Trinocular Microscope
- Micro Centrifuge
- Column Chromatography
- UV-Detection Chamber
- Laminar air flow
- Projection microscope
- Vacuum oven

Allied Health Sciences

The School of Allied Sciences have MBA (Pharmaceutical Management); MHM (Master of Hospital Management) and MPH (Master of Public Health), which are housed at fourth and sixth floors of the University building. There are separate classrooms for each courses that are spacious, well ventilated and equipped with LED screens or projector. The total intake of students in all three courses is 10 each. All these are full time courses consisting of class room training with industrial orientation. The class rooms have ample space and environment to support activity based learning and training like presentations, simulation, role plays, seminars and group discussion

School of Physiotherapy

The school of Physiotherapy was established as a constituent unit of School of Allied Health Sciences, for Bachelor in Physiotherapy courses (BPT). The department is equipped with infrastructure necessary for physiotherapy education to train competent physiotherapists who can deliver state of the art services to patient care. The department has well developed anatomy, electrotherapy, exercise therapy, neuro and cardio laboratories to train efficient professionals in the art of relieving human pain and suffering in the field of physiotherapy.

The anatomy lab possess various anatomical models like individual bones, joints and models like brain model, Spine model (Spinal cord), models of digestive System, musculoskeletal System, cardio-respiratory, model of (Heart, Lung & Larynx), , models of Stomach, Urinary System, Respiratory System (Transparent Lungs), Female reproductive System human torso models, full size skeleton, miniature skeleton and various human charts. These models and charts provides as a great educational

tool to study and explain the internal and external structure of the human body as well as the various functions of the body's systems.

The electrotherapy lab is equipped with the following instruments and facilities like Hydrocollator unit, Cold therapy unit, laser unit, muscle stimulator, trans cranial direct current stimulator, ultrasound therapy. Electrotherapy is widely used as an adjunct to traditional physiotherapy treatments where electrical signals are used to interfere with the transmission of neural pain signals into the brain. It effectively slows down or distracts the message from the nerve to the brain and electrotherapy is very useful to relieve acute and chronic pain where conventional medicines are not as affective. Electrotherapy can also use electric current to speed tissue healing where tissue damage has also occurred.

The exercise therapy lab is equipped with the equipments which are used to rehabilitate the patient like strength training unit, balance and posture rehab unit, movement therapy unit, Ankle exerciser, CPM unit, Crutches – shoulder and elbow, Cleats, Cervical halter with rod, Dog clip, Finger ladder, Gym ball small, medium, large and foot pump, Heel exerciser, Pronator supinator exerciser medicine ball, tread mill etc. with necessary couches and low height beds. The different exercise techniques are demonstrated in the lab and the students to practice these different techniques on each other or on simulated models and gain confidence in performing theses skills before implementing the same on the patients.

Academy for Sports Sciences Research and Management (ASSRM)

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 are 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. The infrastructure for the department include a Human Performance Lab, Biomechanics lab, Computer lab, Fitness Studio, multipurpose Sports ground, swimming Pool etc., apart from smart classrooms to ensure that the students are provided with best facilities during their period of study. The students are provided with internship opportunities in Pulella Gopichand Academy, Sports Medico, All Sport, HTC Sports, Delhi Capitals and Decathlon. Apart from that the students were given knowledge on sports management, merchandizing and sports equipment use for specific injuries during their course of internship.

Skill Development Courses of World Class Skill Centre (WCSC)

Government of NCT, Delhi initiated the setting up of skill development courses through World Class Skill Centre (WCSC) project to address the shortage of skilled manpower in the country. The setting-up of this World Class Skill Centre in Delhi Pharmaceutical Sciences and Research University (DPSRU), demonstrated that skilled people are valued assets to the country and will have the advantage of being qualified for global opportunities as well.

DPSRU was recognized as the nodal center for the sector "Health and Wellness Sector" by the Govt. of NCT Delhi. Following courses are started in DPSRU:

- Beauty Wellness Consultant
- Sports Fitness and Yoga Application
- Sports Digitalization & Performance Management

Glimpses of Beauty Wellness Consultant Lab cum class room





DPSRU Innovation and Incubation Foundation (DIIF)

DPSRU Innovation and Incubation Foundation (DIIF) under DPSRU focused to nurture student innovation are fully functional in the fifth floor of the University campus with 19 incubates.

DPSRU Innovation and Incubation Foundation (DIIF) strives to combine students, faculty, alumni and industry association to foster a culture of encouraging budding entrepreneurs in the University by providing right context and navigation with help of expert mentorship, industrial collaboration, administrative and infrastructure facilities at the university campus. The infrastructure development activities for incubation centre in the fifth floor include cabin built up with computers and internet, meeting room with Teleconference facility and open group discussion facility within Students' common room. The newly added division of the DIIF is Entrepreneur-cell (E-Cell) which implemented various initiatives to help students, young entrepreneurs and professionals to proceed in the path of innovation.

The following infrastructure and facilities are provided by the centre which are as follows:

- High Resolution particle size Analyzer (PSS Machine)
- 3D Printer
- 3D Scanner
- BP Monitor: HEM 9020
- Body Composition Monitor: HBF- 701
- Nerve Stimulator: HVF 127
- Thermometer: MC- 720

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.

LIBRARY

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. A departmental library dedicated to post graduate programmes in Pharmaceutical Sciences & Sport Sciences has started functioning in the fourth floor of DPSRU building since Feb 2018. 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 18000 books covering all branches of Pharmaceutical 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 23 National Journals. It subscribes to 6 newspapers and 12 periodicals. The library, knowledge resource centre will be soon transforming into digitalization.

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. To cater the increased student strength, planning is

underway 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.

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, Sigma Plot 10.01 and Sigma stat 3.5, server OS 2004.

Up gradation to 40 Mbps WiFi from existing 10 Mbps leaseline and networking of entire DPSRU campus is being initiated. 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 dot matrix printers, 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 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.



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 for their profession. 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.



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 conducting in under the Co-ordinator Dr. Saminathan J. and Co-coordinators Dr. Siddarth Sen and Dr. 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.



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, air-conditioned, fitted with Jacuzzi (water baths), steam baths.



Staff Quarters: The residential complex includes well maintained Staff Quarters. Construction of a new residential block for the staff at the place of the old guest house is in process.

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.



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.



DEPARTMENTAL INFORMATION

*(Dr. Sushama Talegaonkar, Dr. Rajiv Kumar Tonk,
Dr. Rajani Mathur, Dr. Madhu Gupta, Dr. Shilpa Jain,
Mr. Anshul Baghai, Ms. Rakhi Ahuja, Mr. C.P. Ray)*

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 college 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 19th position by MHRD, National Institute Ranking Framework (NIRF) for the year 2016-17.
- 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 conducted four short-term QIP during the months of February, March, April 2018.
- 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 Pharmacopoeial Commission and Belco Pharma were organized.

School of Pharmaceutical Sciences

School of Pharmaceutical Sciences was established under DPSR 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.

Our Values

- 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

Objective & Future Plans

- 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.

School of Allied Health Sciences

The School of Allied & Health Sciences was established in 2016 under DPSRU as an initiative to provide specialized professional courses in Hospital Healthcare management and Public Health. The

school aims to become a leader in Allied Health Sciences Education and the department continues to grow and expand its activities to research in healthcare management and public health. Opportunities are abound for students and faculty at all levels to participate in basic, translational, interdisciplinary and community oriented education and research.

The courses conducted under the School of Allied Health Sciences include post graduate degree programs in Hospital Management and Public Health.

The programs in the School of Allied Health Sciences at DPSRU started in the year 2016 with an intake of 10 students in each. The first batch passed in 2018 and the students are successfully placed in various organizations of repute like BLK Memorial Hospital, Mamta Foundation, UNESCO, IQVIA, WNS Global Services, Cognitrex Consultants and DRG among others.

The School of Allied & Health Sciences also organized various activities and events including: Breast Cancer Diagnosis Camp on 17th December 2018 and Management Forum -“Emerging Dimensions in Hospital Healthcare System” on 4th April 2019

DPSRU- World Class Skill Centre (WCSC)

In 2012, 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. It is a pioneering effort of national interest, and has set a benchmark for professional skill training in the country. The approach of this is to provide world class skills to youth of India by imparting world class training, training technologies and world class physical environment. The setting-up of this World Class Skill Centre in Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi will surely create the skilled people that might be the valued assets to the country.

The courses offered by the DPSRU-WCSC centers evolved as per requirements of the industry and replaced 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. DPSRU started the three certificate course that was started from April 2019 in first phase under the name of followings:

- Beauty Wellness Consultant
- Sports Fitness and Yoga Application
- Sports Digitalization and Performance Management

Possible Job Opportunities in the proposed Courses:

During the course students will learn how to justify their professional decisions with evidence-based practice, and develop their professional understanding and accountability in its specific field that is itself a very big area and nationally and internationally recognized. Under the health and wellness sector, following above mentioned certificate courses will provide the employability in various sectors as mentioned under.

Other institutions also identified to start the skill based certificate course under Health and Wellness Sector under the chairmanship of DPSRU are the following:

- ITI, Jija Bai Siri Gort, New Delhi
- Integrated Institute of Technology, Dwarka, New Delhi
- Meerabai Institute of Technology, Maharani Bagh, New Delhi
- SSE Jhandevalan institute, New Delhi
- SSE Nand Nagri, New Delhi

DPSRU-Beauty Wellness Consultant

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 of products but also the cosmetic products manufacturing with good solutions for customer beauty needs, including mini-makeovers and skincare consultations.

- Provide preliminary technical know-how about cosmetic products
- Provide technical know-how about interventions related to aesthetics and beauty wellness
- Assist the Beauty Wellness consultant and cosmetologists
- Assist in sales and management of products
- Assist in front desk management
- Maintain health and safety of end users

Sports Fitness and Yoga Application

With Development of sports and healthy living people are focusing on ensuring that they not only eat and drink well but also improve their life style by application of Yoga. There is going to be a huge need of Yoga Instructor and professionals who can help individuals and also train people working in organizations to utilize yoga in day to day life. Athletes and sports fraternity has realised the application of yoga in the fitness regime of an athlete. Today all training programs in sports try to bring in components of yoga to distress and build endurance and improving the breathing / lung capacity of an athlete Work as a strength and conditioning coach, yoga trainer, personal trainer in health clubs, or in private practice

- Offer your services to Schools and Sports Teams
- Work as a health and fitness blogger, personal trainer, fitness manager or wellness director
- Open your own business, gym or studio
- Athletic Trainer
- Strength and Conditioning (S&C) Coach
- Sports and Fitness Nutritionist

Sports Digitalization and Performance Management

The objectives of this department are:

- To know and apply the organizational principles of a sport event.
- To understand and put aspects of the financial management of a sport event into practice.
- To know how to select and manage professional collaborators and/or volunteers.
- To obtain and align available resources for a sport event.
- To apply methods of assessing a sport event and identify aspects that can be further improved.

Beauty wellness consultant certificate program is designed in such a 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 at national and international level. The faculties that are developed such as skin texture analyser, mini pouch filling and sachet machine, basic equipments 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. In addition to develop such skills in students, they can also 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.



FACULTY & STAFF

Prof. Ramesh K. Goyal, Vice Chancellor
Prof. Harvinder Popli, Offg. Registrar & Dean
Dr. Rajiv Kumar Tonk, In-charge Dean (Student Affairs)

DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH

Prof. Dharam Pal Pathak, Offg. Director

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY / QUALITY ASSURANCE

Prof. Dharam Pal Pathak, Professor

Prof. Sharad R. Wakode, Professor

Mrs. Amrita Parle, Lecturer (Sel. Grade)

Dr. Ramesh Bodla, Lecturer (Sr. Scale)

Dr. Himangini*, Lecturer

Temporary full-time faculty

Dr. Ruhi Ali

Dr. Sana

Dr. Deeksha

Temporary part-time faculty

Mr. Surinder Kamal

Mrs. Neha Taneja

Dr. Ahsan

Teaching assistant

Mr. Ravi Kant Ms. Anjali

Ms. Faizana Ms. Akansha

DEPARTMENT OF PHARMACOLOGY

Dr. Rajani Mathur, Assistant Professor

Mrs. S. Latha, Lecturer (Sel. Grade)

Dr. Sachin Kumar*, Lecturer

Temporary full-time faculty

Ms. Priya Joon

Sayed Md. Mumtaz

Temporary part-time faculty

Dr. Sanjay Kumar Banerjee

Dr. Neeta Goel

Dr. Shailendra Asthana

DEPARTMENT OF PHARMACEUTICS / HOSPITAL PHARMACY

Prof. Prabhat K. Sahoo, Professor

Dr. Meenakshi Chauhan, Associate Professor

Mr. Bhag Chand, Lecturer (Sel. Grade)

Mr. Satish Manchanda*, Lecturer

Temporary full-time faculty

Dr. Beauty Behera

Ms. Mamta Bishnoi

Mr. Mukesh

Mr. Hanuman Sharma

Temporary part-time faculty

Dr. Varsha Pradhan

Dr. Alka Gupta

Teaching assistant

Mr. Pankaj

Ms. Bhumika

Ms. Laxmi

Ms. Neha

DEPARTMENT OF PHARMACOGNOSY

Mrs. Manju Vyas, Associate Professor

Mr. Pratap N. Raju, Lecturer (Sel. Grade)

Dr. Sakshi Bajaj*, Lecturer

DEPARTMENT OF CLINICAL RESEARCH

Prof. Suresh. K. Gupta, Distinguished Professor

Temporary part-time faculty

Dr. Devesh Gupta

Dr. Manoj Sharma

Other temporary/full time faculty

Ms. Abhilasha A. Gupta

Dr. Shivakshi

Ms. Laxmi Rathore

SCHOOL OF PHARMACEUTICAL SCIENCES

Prof. Harvinder Popli, Offg. Dean

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
Temporary part-time faculty
Dr. Shailendra Asthana
Teaching Assistant
Mr. Rahul Gupta

DEPARTMENT OF PHARMACOGNOSY AND PHYTOCHEMISTRY

Dr. Mahaveer Dhobi, Assistant Professor
Temporary full-time faculty
Dr. Poonam Arora
Temporary part-time faculty
Dr. Rasheeduz Zafar
Ms. Varisha Anjum

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY / PHARMACEUTICAL ANALYSIS

Dr. Rajiv Kumar Tonk, Associate Professor
Dr. Jaseela Majeed, Assistant Professor
Temporary full-time faculty
Dr. Ashwani Kumar Verma
Dr. Saroj Verma
Temporary part-time faculty
Dr. Radha Sharma
Teaching Assistant
Mr. Gautam
Ms. Uma

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

Prof. Harvinder Popli, Professor
Dr. Sushama Talegaonkar, Associate Professor
Dr. Keerti Jain, Assistant Professor
Dr. Geeta Aggarwal, Assistant Registrar
Dr. Madhu Gupta, OSD to VC
Temporary full-time faculty
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Dr. Madhurima Roy
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Ms. Reena Bhattacharya
Mr. Surinder Kumar Kamal
Teaching Assistant
Ms. Shilpi Singh
Ms. Reena Bhadwar
Ms. Bhawna Mittal

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Ms. Rakhi Ahuja*, Assistant Professor
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Dr. Pranav Prakash
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Dr. Shirin Saini
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SCHOOL OF PHYSIOTHERAPY

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Ms. Shilpa Jain, Head

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Ms. Shilpa Jain (P.T.), Assistant Professor
Ms. Jyoti Dahiya (P.T.)*, Assistant Professor
Dr. Varsha Chorsiya*, Assistant Professor
Ms. Sapna Dhiman (P.T.)*, Assistant Professor
Ms. Parul Sharma (P.T.)*, Assistant Professor
Mr. Manish Kumar (P.T.)*, Assistant Professor
Temporary full-time faculty
Ms. Poonam Dhimri (P.T.)
Ms. Namrata Sharma (P.T.)
Temporary part-time faculty

Dr. Madhurima Roy
Dr. Prashant
Ms. Geeta Naresh
Mr. Kuldeep Bahl
Dr. Prahlad Priyadarshi
Dr. HershaVij
Dr. Anil Sabharwal
Dr. Vikram
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Ms. Sadia

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Dr. Ramchander Khatri Asstt. Controller, Exam
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Mr. Ankit Goel Section officer
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Smt. Meera Yadav Assistant Section officer
Mrs. Indumathi Stenographer, Grade-II
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Mr. Shivjee Pandey Security Officer
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Ms. Yogita Ahuja, Assistant Librarian
Ms. Sarita Rani, Library Attendant
Ms. Namrata*, Library Attendant

LABORATORY STAFF

Lab Assistants*

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Ms. Deepali
Mr. Mohit
Ms. Neeta Rathore
Mr. Sukbhir
Mr. S.K. Sinha
Mr. Sujoy Robinson
Ms. Shalini Pathania

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Mr. Man Singh
Mr. Pradeep Kumar
Mr. Dharamveer
Ms. Divya Bhardwaj
Mr. Sumit Kumar
Mr. Devender Kumar*
Mr. Ram Narayan
Mr. Avinash Bansal*
Mr. Jatin Gautam*
Ms. Kashish*
Mr. Ram Kumar*
Mr. Ramji Lal*
Mr. Amit Mehto*

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Mrs. Meenu Gupta*, Girls Hostel Matron
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Mr. Jiledar*

Mr. Sunil Meena*
Mr. Ranjit Paswan*
Mr. Naresh Kumar*
Mr. Sajan Singh*
Mr. Jasbir Singh*

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Ms. Monika Manoj*, Receptionist-Cum-Office Assistant
Mr. Yashwant*, M.T.S.

WORLD CLASS SKILL DEVELOPMENT CENTRE

Prof. Ramesh K. Goyal, Chairperson
Dr. Madhu Gupta Incharge, COO
Mr. Nagendra Pal, Nodal Officer Operation

ACADEMY OF SPORTS SCIENCES AND RESEARCH MANAGEMENT

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Ms. Disha Vats, CAO
Mr. Nishith Mohan Lal, AM-HR
Mr. Divakar Pathak, Sr. Executive Accounts
Mr. Amit Kumar, Research Executive
Mr. Kumar Goyal, Research Executive
Ms. Yashaswini, Research Executive
Mr. Dushyant Rana, Sports Officer
Dr. Tusshar D Alekar, Faculty
Mr. Anurag Kaushik, Faculty
Mr. Rohan Barua, Faculty
Mr. Ravi Shankar, Visiting Faculty
Mr. Nitish Kumar, Executive HR
Ms. Bhargavi Gopalan, Admin & Curriculum Officer
Mr. Rahul, MTS
Mr. Ankush, MTS
Ms. Sheena Sharma, Social Media & Marketing Consultant

YOGA & FITNESS CENTRE

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

*Contractual

RESEARCH AREA OF FACULTY MEMBERS



Prof. Ramesh K Goyal

New Drug Discovery and Development (preclinical and clinical studies) for diabetes and associated cardiovascular complications; cancer and inflammatory disorders like psoriasis and multiple sclerosis.

Prof. Shyam S. Agrawal

Drug discovery, drug development and conducting preclinical and clinical (BA/BE Studies) trials in the area of antifertility, oncology, cosmotoxicology and herbotoxicology. Study of oral contraceptive and antiovarian agents in rats. Screening for estrogenic and antiestrogenic activities of herbs and herbal formulation from Dabur Research Foundation.



Prof. Suresh K. Gupta

New Drug Development for the management of cataract, glaucoma and diabetic retinopathy. New Drug Discovery for the management of various cardiovascular diseases by natural products. Role of Pharmacoeconomic and outcomes research for the better management of health care system in the Country.

Prof. Dharam Pal Pathak

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



Prof. Prabhat K. Sahoo

Nanoparticle drug delivery, Particulate drug delivery, Topical drug delivery & Ocular drug delivery. Method development and validation for bulk drug and formulations.

Prof. Harvinder Popli

Application of Nanotechnology for development of differentiated drug Delivery Systems for topical and Parenteral Release, Nutraceuticals with Phytoconstituents. Regulatory policies for Medical Devices, IVD and Biological.



Prof. Sharad R. Wakode

Designing, planning and synthesizing new organic molecules of therapeutic interest and its screening. Isolation, identification, characterisation of phyto constituents from herbal drugs for their anti-inflammatory, analgesic, antimicrobial activity.



Mrs. Manju Vyas

Standardization and Screening of various activities of Plant extracts.

Dr. Sushama Talegaonkar

Development and Optimization of various functionalized nano-formulations for Active targeting of drug moiety for cancer, inflammation and Bone disorders. Bioavailability enhancement by various novel techniques. Development of novel formulations for Multi Drug Resistant cancers.



Dr. Meenakshi Chauhan

Vesicular/particulate Drug delivery- For improved bio-pharmaceutical performance through topical and oral routes. Ophthalmic drug Delivery systems- Formulation approaches to improve ocular bioavailability of drugs. Protein/peptide drug delivery Technology.

Dr. Rajiv Kumar Tonk

Designing, synthesis, Characterization of Potential new small organic molecules (Diazine derivatives) and their evaluation for Antimicrobial, Anti-inflammatory (ITK, COX-1 & COX-2 Inhibitors), Analgesic, Anticancer and Antioxidant activity.



Dr. Mukesh Nandave

Role of nutraceuticals, herbomineral formulations, plant extracts & constituents in treatment of myocardial ischemia & reperfusion injury, diabetes, obesity, and pain. 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. Rajani Mathur

Metabolic disorders and its complications. Pharmacological screening of potential drugs for Cardioprotective effects, Ocular therapeutics. Molecular mechanisms of metabolic disorders.



Dr. Ramesh Bodla

Bio-production of secondary metabolites, synthetic medicinal chemistry for potential drug molecules or drug analogs and their biological screening. Photochemical investigations and screening for biological activity. HPLC method development and validation for drug molecules and their combinations.



Mr. Bhag Chand

Pharmaceutical Dosages forms and Drug Delivery System.

Mr. Pratap N. Raju

Standardization of phytochemicals and their biological studies.



Mrs. Amrita Parle

Planning, designing, synthesizing, characterizing and screening of new antimicrobial compounds (benzthiazoles, isonicotinic acid). Development and validation of analytical methods like reverse HPLC, HPTLC, UV for DPP4 inhibitors, SGLT2 inhibitors alone and in combination with other antidiabetic drugs.

Mrs. S. Latha

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



Dr. Geeta Aggarwal

Formulation and evaluation of Transdermal and Topical drug delivery system using colloidal carriers, drug targeting particularly to colon and lungs, exploitation of natural polymers and potential lipids for enhancement of bioavailability of poorly soluble drugs.

Dr. Madhu Gupta

Pharmaceutical nanotechnology and targeted drug delivery related to cancer, fungal infection, and psoriasis, as well as linked to nanoformulations for magical molecule delivery, bioligands for targeting of bioactives and drug moiety, biopolymers, cancer nanomedicine as well as topical delivery.



Dr. J. Swaminathan

Analytical Method Development and Validation for Newer Drugs for regulatory purpose, application of Quality by Design for formulation development specifically for Hepatoprotective, Anti-ulcer, Analgesics and anti-inflammatory drugs.



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.

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. Jaseela Majeed

Drug design and synthesis of lead molecules of therapeutic interest and biological evaluation of these molecules for in vitro and in vivo anticancer screening. Analytical method development of drugs and formulations and stability studies including accelerated stability testing of finished products.

Dr. Keerti Jain

Drug delivery and formulation development, Dendrimer chemistry and drug delivery applications, Polymeric nanoparticles, Carbon Nanotubes, Quantum Dots, Hydrogels and Nanoemulsion.



Mr. Satish Manchanda

Nano-drug delivery, ethosomal drug delivery, particulate drug delivery, topical drug delivery, ocular drug delivery, transdermal drug delivery, HPLC method development & validation.

Dr. Sachin Kumar

Research is focused on the evaluation of antioxidant activity and cytotoxicity of Indian medicinal plants and quantification of active constituents with HPLC and GC-MS.



Dr. Himangini

Research is focused on the evaluation of antioxidant activity and cytotoxicity of Indian medicinal plants and quantification of active constituents with HPLC and GC-MS.



Dr. Sakshi Bajaj

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

Ms. Rakhi Ahuja

Competitive advantage and sustainability in the healthcare industry with emphasis on increasing role of artificial intelligence and digitization.



Dr. Siddharth Sen

Manual therapy application on different orthopaedic conditions. Biomechanical analysis of human body movement and application of the physiotherapy techniques on it. Ergonomics and human factor associated with orthopaedic conditions.

Ms. Shilpa Jain (PT)

To prevent injury and enhancing performance of the athletes and handling microcurrent for aesthetic purpose.



Ms. Jyoti Kataria (PT)

Scapular biomechanics, biomechanics of sports injuries, computer professional's ergonomics, Role of scapula in shoulder mechanics of sports personal, foot posture mechanics, mechanical back pain and neck pain, sports pathomechanics of "on field injuries".

Dr. Varsha Chorsiya

Human factors, Biomechanics, Ergonomics, Environmental health, Occupational health & safety, Women health and physical therapy.



Ms. Sapna Dhiman (PT)

Motor Control and motor learning for pediatric group, to evaluate abnormal blocks to development and emphasize on normal development in pediatric group.



Ms. Parul Sharma (PT)

Neurology in Physiotherapy. Expertise in manual therapy techniques, kinesiotaping, evaluating and assessment of neurological disorders and its rehabilitation plan too. Basic knowledge of pilate exercises regarding weight loss program.

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.



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.

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. Madhurima De Roy

Microbiologist. Expertise in microbiology and molecular biology techniques: Isolation, identification and molecular characterization (PCR, hybridization, ELISA, etc.) of bacteria and fungi.





PUBLICATIONS, PATENTS, CONFERENCE PRESENTATIONS & RESEARCH PROJECTS

(Dr. Mahaveer Dhobi & Dr. Satish Manchanda)

DPSRU FACULTY

Books/Book Chapters

1. **Aggarwal G** and Nagpal M. Nanomaterials to overcome emergence and re-emergence of superbugs in IGI Global for publication in book entitled 'Strategies to Overcome Superbug Invasions' 2018 (Accepted).
2. Behl S, **Aggarwal G**, Thakkar A. Digital health: Limitless opportunities. APTI Women's Forum Newsletter. March, 2019.
3. Ganesan V. and **Aggarwal G**. Physical Pharmaceutics-I.B. Pharm. 3rd semester as per PCI syllabus. Edition 2018. ISBN - 9789387880719. Thakur publication Pvt. Ltd., Lukhnow.
4. **Gupta M**, Chauhan, Sharma V, Chauhan, NS. Novel Drug Delivery System for Phytoconstituents. Taylor & Francis Group. 1st Ed. CRC Press, 2019. (ISBN 9781138481374 - CAT# K348866).
5. **Gupta M**, **Goyal RK** and Sharma V. Angiogenesis treatment with CD13 targeting nanomedicines. In: Nanomedicines and Disease Treatment: Concept to Applications. Eds. Sarwar Beg, Mahfoozur Rahman, Md. Abul Barkat, Farhan Jalees Ahmad, Apple Academic Press, USA, 2019 (ISBN: Hard ISBN: 9781771887670, E-Book ISBN: 9780429425714).
6. **Gupta M**, Sharma V, Chauhan, DN, Chauhan, NS, Shah K, **Goyal RK**. Nanotechnological Based Drug Delivery System for Magical Molecule "Curcumin Delivery": Possibilities and Challenges. In: Novel Drug Delivery System for Phytoconstituents. Eds. **Madhu Gupta**, Vikas Sharma, Durgesh Nandini Chauhan, Nagendra Singh Chauhan Taylor & Francis Group. CRC Press, 2019. (In press)
7. **Gupta M**, Sharma V, Chauhan, DN, Chauhan, NS. Novel Drug Delivery Systems for Phytoconstituents, In: Novel Drug Delivery System for Phytoconstituents. Eds. **Madhu Gupta**, Vikas Sharma, Durgesh Nandini Chauhan, Nagendra Singh Chauhan Taylor & Francis Group. CRC Press, 2019. (In press)
8. **Jain K**. Dendrimers: Emerging Anti-Infective Nanomedicines in Sequel volume of Multivolume International Book "NanoBioMedicine", CRC Press, USA, 2018;121-138. ISBN: 1-626990-50-6.
9. **Kataria J**. Research Trends in Physical Education and Yoga in Nutritional Perspective in Physical Education, 2018;1:45-53, ISBN:978-93-5335-009-3.
10. Kaur S, Narang RK and **Aggarwal G**. Mucopenetration with Nanotechnology for Colon Drug Delivery. ISBN-13:978-613-9-83654-3. ISBN-10: 6139836549. Lambert Academic Publishing. 2018
11. Nagpal M, **Aggarwal G**, Singh P. Resorbable polymer fiber reinforced composites in biomedical application in the Multi-Volume SET (1-9) "Composites in Biomedical Engineering" Elsevier. 2018.
12. Nagpal M, Dhawan A, Dhiman M and **Aggarwal G**. Chapter 'Microgels/nanogels for patient compliant drug delivery' in Book 'Advances in Medicine and Biology', Vol. 137, Pages 75-136, Nova Science Publishers, Inc., 2018.
13. Pannu A, **Goyal RK**, Ojha S, **Nandave M**. Naringenin: A Promising Flavonoid for Herbal Treatment of Rheumatoid Arthritis and Associated Inflammatory Disorders Editor(s): Ronald Ross Watson, Victor R. Preedy, Bioactive Food as Dietary Interventions for Arthritis and Related Inflammatory Diseases (Second

Edition), Academic Press, 2019;343-354, ISBN 9780128138205.

14. Pannu A, **Goyal RK**, Ojha S, **Nandave M**. Therapeutic Potential of Thymoquinone in Treatment of Rheumatoid Arthritis and Related Autoimmune Diseases. Editor(s): Ronald Ross Watson, Victor R. Preedy, Bioactive Food as Dietary Interventions for Arthritis and Related Inflammatory Diseases (Second Edition), Academic Press, 2019;575-587, ISBN 9780128138205.
15. Patel BM, Rawal H, **Goyal RK**. Single Herb to Single Phytochemical Based Therapy for Diabetes Mellitus. In: Natural Medicines: Clinical Efficacy, Safety and Quality. Eds. P.K. Mukherjee and D. Ghosh, CRC Press, Taylor and Francis Group, USA, 2019.
16. Sharma V. Patel S, **Gupta M**, Chauhan, DN, Chauhan, NS. *Tribulusterrestris* and its Phytochemicals in the Prevention and Treatment of Hypertension. In: Recent Progress in Medicinal Plants Vol. 48 Hypertension. Eds. J N Goval, Anita Bhardwaj. Studium Press LLC, USA, 2018.
17. Tandel H, Bhatt P, **Jain K**, Shahiwala A, Ambikanandan. In-Vitro and In-Vivo Tools in Emerging Drug Delivery Scenario: Challenges and Updates" in International Book "In-Vitro and In-Vivo Tools in Drug Delivery Research for Optimum Clinical Outcomes" CRC Press, USA,2018;19-42. ISBN: 9781351368728.
18. Thakkar A, **Aggarwal G** and **Popli H**. Advances in Pharmaceutical Research and Innovation: Indian Industries Outreach. IPC 2018 Souvenir.
4. **Agrawal SS**, Ahmad M. Development of polyherbal gel formulation of *Emblia officinalis*, *Acacia concinna*, *Eclipta alba*, *Sapindusmukorossi*, *Withaniasomnifera*, *Nardostachysjatamansi*, *Trigonellafoenum-graecum*, *Aloe vera* and their efficacy in alopecia. *Ethnopharmacol.* 2019;(2):80-88.
5. **Agrawal SS**, Ahmad M. Therapeutic potential of some medicinal plants in alopecia. *IntJInnovSciResTech.*2018;3(7).
6. **Agrawal SS**, Gupta R. Bioavailability and bioequivalence studies of different brands Telma (Glenmark), Telsartan (Dr.Reddy's), Indetel (ZydusAlidac), Telmkind(Mankind)] of Telmisartan. *Int J Advance Res Ideas InnovTech.* 2018;4(4):1089-1093.
7. **Agrawal SS**, Parveen A. A review article of Telmisartan in the treatment of hypertension. *World J Pharm Res.*2018;7(19):280-286.
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9. **Agrawal SS**, Sharma C, Dubey S. Evaluation of anticancer activity of *Cannabis sativa* on b-16 cell line induce skin cancer model. *Int J of Advance Res, Ideas Innov Tech.* 2018;4(3).
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Research Projects

1. **Geeta Aggarwal.** Industry (Cognitrex) sponsored projects on 'Market Research'.
2. **Geeta Aggarwal.** Industry sponsored project entitled 'Development of Herbal Gel for Treatment of Scabies'.
3. **Harvinder Popli and Geeta Aggarwal.** Industry (Alniche Lifesciences Pvt. Ltd) sponsored projects for Development and Optimization of Pharmaceutical Formulations for Chronic Kidney diseases.

4. **Jaseela Majeed**. Biometa Boost Using A Combination of *Chia* Seeds and *Moringa* Extract for Postpartum Weight Loss Under Indo-Mauritius Scientific Collaboration.
5. **Mukesh Nandave**. Isolation, Characterization and Evaluation of Anti-Inflammatory Compounds Isolated from Marine Sponges of Maharashtra Coastal Regions. (BT/PR12182/AAQ/3/696/2014).
6. **Ramesh K. Goyal**. BioNEST DPSRU Health Care and Drug Development Bio-incubator. BIONEST –BIRAC.
7. **S. S. Agrawal**. Antiestrogenic activity of certain Phyto constituents. Funded by Dabur Research and Development Centre.
4. Chhabra C, **Jain S**. Effect of fast beat music, slow music and no music on aerobic performance of young adults. Physio Harcon-2nd International Conference; 2018 Sep 15-16; Rohtak.
5. Chorsiya A, Dang R, **Dhobi M**. An Increasing need to monitor herbal medicines: Phytopharmavigilance. APTICON, 23rd Annual National Convention of APTI; 2018 Oct. 5-6; Jaipur.
6. Chorsiya A, **Dhobi M**. Adverse effect in blood transfusion: A need for critical Haemovigilance. National Conference on Pharmacovigilance Pharmacoeconomics and Outcome Research; 2018 Oct. 9-10, New Delhi.
7. **Chorsiya V**, Nag PK, Dutta P, Nag A. Influence of industrial safety shoe characteristics on postural stability. Occupational and Environmental Medicine; 2018,75(Suppl 2): A318.; Dublin, Ireland.

Patents

1. **Geeta Aggarwal**. National Patent on “Improved efficacy of antiepileptic drug Lamotrigine solid dispersions using natural modified locust bean gum” filed at the Indian Patent Office on 04th February 2019 with application no. 201911004379.
2. **Ramesh K. Goyal**, Sayed Md Mumtaz, **Madhu Gupta**, A. Nazeerul Ameen. Topical Nano lipidic Gel Formulation for Diabetic Foot Ulcer. Ref. Application No. 201811042714. Application No. 201811042714. 2018.
8. **Dhiman S**. Effect of leisure time activities on attention span in children with developmental delay. 2nd National Sports Conference of Physiotherapy - Theme: Engaging Minds, Empowering Success; 2019 March 3; New Delhi.
9. Fatima G, Sharma S, Dang R, **Dhobi M**. Hepatoprotective studies of different fraction of ethanolic extract of *Nigella sativa* L. seeds. 70th Indian Pharmaceutical Congress, 2018 Dec. 21-23, Noida.

Conference Presentations

1. **Agrawal SS**, Mazhar M. Standardization of *Berberis aristata* using HPLC and HPTLC techniques. 70th Indian Pharmaceutical Congress, 2018 Dec. 21-23, Noida.
2. Arora P, Khan MF, **Dhobi M**, Ansari SH. Investigation of anti-asthmatic Effects of *Solanum xanthocarpum* Schrad and Wendl. in ovalbumin induced murine model of asthma. 70th Indian Pharmaceutical Congress, 2018 Dec. 21-23, Noida.
3. Chauhan D, Pal S, **Dhobi M**. Anti-depressant activity of different fractions of *Evolvulus sinoides* L. 70th Indian Pharmaceutical Congress, 2018 Dec. 21-23, Noida.
10. **Jain K**, Jain V, Jain NK. MDP Conjugated PPI dendrimers for macrophage targeted delivery of amphotericin B. 23rd Annual National Convention of Association of Pharmaceutical Teachers of India (APTICON-2018); 2018 October 5-6; Swami Keshvanand Institute of Pharmacy, Jaipur.
11. **Jain K**. Anti-angiogenic dendrimers: A new dimension in the application of polymers for treatment of cancer. 23rd Annual National Convention of Association of Pharmaceutical Teachers of India (APTICON-2018); 2018 October 5-6; Swami Keshvanand Institute of Pharmacy, Jaipur.

12. **Jain K.** Physiotherapy: Can assist for treatment of cancer? 1st National Physiotherapy Symposium on "Recent Advancement in Physiotherapy" 2018 September 6; Delhi Pharmaceutical Sciences and Research University, New Delhi.
13. **Jain S,** Effect of forearm guard induced pressure on grip strength, vibration perception threshold and two-point discrimination on female collegiate between the age group of 19-25 Years. UPCON - 2018, 2nd National Conference of Physiotherapy; 2018 Nov. 25; Lucknow.
14. **Jain S,** I love my sport but my body does not: Why very less medals in Olympics. UPCON - 2018, 2nd National Conference of Physiotherapy; 2018 Nov. 25; Lucknow.
15. **Jain S.** Effect of microcurrent in reducing fine wrinkles and improving firmness of face. Sport Connect; 2019 March 2-3, New Delhi.
16. Keshri R, **Popli H.** Design of pediatric and geriatric anti-diabetic formulation using sprouted Fenugreek seeds. Theme of Pharma Vision 2030: Indian Pharma Industry –A Global Leader; 2018 Dec. 21-23, New Delhi
17. Keshri R, **Popli H.** Role of cow milk in treatment of HIV. 6th World Congress on Nano Medical Sciences; 2019 Jan 7-9, Jamia Hamdard, New Delhi.
18. Keshri R, **Popli H.** Role of Pharmacogenomics in drug discovery and development. Pharmacovigilance Pharmacogenomics and Outcomes Research; 2018 Oct. 9-10, DPSRU, New Delhi.
19. Kharb D, Roshan K, **Thakur AK.** Nanoparticle-based medicines: A review of FDA-approved materials and clinical trials. 6thWorld Congress on Nanomedical Sciences (ISNSCON-2019), 2019 Jan 07-10;New Delhi.
20. **Majeed J.** Redefining neighborhood networking in palliative care (NNPC) in heterogeneous society: A case study. Proceedings of the WHO Global Forum on Medical Devices; 2018 Dec. 13-15; Andhra Pradesh Med. Tech. Zone (AMTZ), Vishakhapatnam.
21. Mehtab A, **Talegaonkar S.** "CD44-targeted hydroxyapatite based nanodelivery system for effective management of rheumatoid arthritis. International Conference WCP-2018, 2018 July 01-06; Kyoto, Japan.
22. Mittal B, **Aggarwal G.** Nano-formulations for the management of vaginal candidiasis. PCEU-21. IPGA sponsored National Conference, 2019 March 1; KR Mangalam University, Gurugram.
23. Pandey S, **Talegaonkar S.** Design and development of functionalized lipid nanoparticles for synergistic treatment to rheumatoid arthritis. 6th World Congress on Nanomedical Sciences, (ISNSCON-2019), 2019 Jan 07-10; New Delhi.
24. Sah R, Keshari R, **Popli H, Ahuja R.** Brand building in healthcare system. Management Forum – Emerging Dimensions in Hospital Healthcare System; 2019 April 4, DPSRU, New Delhi.
25. Sharma H, **Talegaonkar S.** Dacarbazine and eugenol loaded liposomes for treatment of resistant melanoma by inhibition of surviving. 6th World Congress on Nanomedical Sciences, (ISNSCON-2019), 2019 Jan 07-10; New Delhi.
26. **Sharma P,** Emerging neuro-rehabilitation technique in sports: The Trans-cranial direct current stimulation. 1st National Sports Physiotherapy Conference (An evidence-based trend in on field sports); 2018 Oct. 7, New Delhi.
27. **Sharma P, Jain S.** Transcranial direct current stimulation: A review. 1st National Sports Physiotherapy Conference; 2018 Oct. 8, New Delhi.
28. **Sharma P.** Neurodoping – for sports performance? sports connect, engaging minds, empowering success. 2019 March 3, Delhi Hatt Auditorium, Janakpuri, New Delhi.
29. **Sharma P.** A current review on the therapeutic devices of restless legs syndrome. FEMCON

- 2019-Female Physio Summit; 2019 March 30-31, Jaipur National University Institute of Medical science & Research University, Jaipur.
30. **Sharma P.** Current approaches in the treatment of Parkinson's Disease. 2nd International Conference of Physiotherapists – PHYSIOHARCON; 2018 Sep. 15 -16, Rohtak.
 31. **Sharma P.** Efficacy of pediatric balance scale in balance of Down's syndrome. 2nd International Conference of Physiotherapists – PHYSIOHARCON; 2018 Sep. 15-16, Rohtak.
 32. **Sharma P.** Efficacy of screening instruments in the diagnosis of autistic spectrum disorders. INCPT-AIIMS - Physical therapy (Movement for lifestyle); 2018 Dec. 22-23, New Delhi.
 33. **Sharma P.** Efficacy of the instruments used in the diagnosis of restless legs syndrome. Neuroconnect-3; 2019 Feb.10, New Delhi.
 34. **Sharma P.** Multitarget transcranial direct current stimulation for the treatment of Parkinson's disease. INCPT-AIIMS- Physical therapy (Movement for lifestyle); 2018 Dec. 22-23, New Delhi.
 35. **Sharma P.** The Importance of religious education in therapeutic conditions. first global higher educational conclave; 2018 Jan. 20-21; Murthal.
 36. **Sharma P.** The role of physiotherapy in pain management. REACH- 1st National conference recent advances and challenges in healthcare; 2018 March 8, G.D. Goenka University, Gurugram.
 37. **Sharma P.** The use of psychotherapy in physiotherapy. International conference on positive psychology for health and well-being; 2018 March 9-10; GuruJambheshwarUniversity of Science &Technology, Hisar.
 38. **Sharma P.** Yoga as a therapeutic intervention in chronic illness: a systematic review. FEMCON 2019- Female Physio Summit; Jaipur National University Institute of Medical Science & Research University; 2019 March 30- 31, Jaipur.
 39. **Sharma P.**, The treatment of autistic spectrum disorder: focus on transcranial direct current stimulation. UPCON2018- 2nd National Conference of Physiotherapy; 2018 Nov. 25, Lucknow.
 40. Siddiqui L, **Talegaonkar S.** Development and optimization of lignin nanoparticles: establishing its safety profile.6thWorld Congress on Nanomedical Sciences (ISNSCON-2019), 2019 Jan 07-10; New Delhi.
 41. **Talegaonkar S.** Bioinspired hydroxyapatite nanoparticles of Teriflunomide” 6th World Congress on Nanomedical Sciences on Chemistry Biology Interface: Synergistic in New Frontiers (CBISNF-2019) & Science & Technology for the future of mankind,Jan 07-10;New Delhi.
 42. **Tonk R, Sharma P.** Iontophoresis & knee osteoarthritis, REACH2019-2nd national conference on recent advances and challenges in healthcare. 2019 March 16, GD Goenka University; Gurugram.
 43. Vandana **Talegaonkar S.** Formulation and evaluation of ultra deformable nano vesicular system for bioavailability enhancement of lutein. 6th World Congress on Nanomedical Sciences, (ISNSCON-2019), 2019 Jan 07-10; New Delhi.
 44. Yadav D, **Popli H,** Yadav SK, Khar RK. Protective effect of eugenol against electrical induced seizure model of Epilepsy. ISNSCON. 2019 Jan 20, New Delhi.

Invited Lecturers by Faculty

1. **Jaseela Majeed.** Role of Analytical Techniques in Phytopharmaceutical Drug Development. 2019 April 13, ANTRI, Port Blair, A & N Islands.
2. **Jyoti Kataria.** Fit backs and bumps. Hands on Antenatal and post-natal workshop. Nirupama Health research charitable trust at Le heritage hotel; 2018 Aug. 4, New Delhi India.
3. **Madhu Gupta.** “Cancer Nanotechnology as an emerging paradigm in today scenario” in

- ICIPMBS-2018, 2nd International Conference on Innovation in Pharmaceutical, Medical and Bio-Sciences-2018 in association with PVPI, IPC, Ghaziabad. 2018 Sep. 29-30; Oriental University Indore.
4. **Madhu Gupta.** "Role of mentors to unlock the student's potential" in 24th Feb 2019, in DST sponsored Inspire Science Camp, 2019 Feb. 20-24; Shri Rawatpra Sarkar Institutions, Datia.
 5. **Madhu Gupta.** Recent advances in biomedical science: Diagnosis & Research and 4th Annual Scholar's Science Meet of SBMLS, 2018 Dec. 28; Kirori Mal College, University of Delhi, New Delhi.
 6. **Mahaveer Dhobi.** Phytopharmaceuticals: How to utilize in exploring Herbal wealth to Advantage India. 2019 April 13, ANTRI, Port Blair, A & N Islands.
 7. **Manish Kumar.** Foot Postures with ageing and implications for physiotherapy. Proceedings of the 7th International Conference of Physical Therapy; 2018 Dec 20-24; AIIMS, New Delhi.
 8. **Mukesh Nandave.** Government College of Pharmacy, 2019 March 18, Amrawati, India
 9. **Rajiv K. Tonk.** Pharmacist: A life to turn difficulties in to opportunities. 2019 Feb 13; D.V. College of Pharmacy, Tigaon, Faridabad.
 10. Ramesh K Goyal and **Mahaveer Dhobi.** Phytopharmaceutical drug regulations in India: A step bringing Traditional Herbal Medicine to the international level. The 4th Hunan International Forum on Biomedicine and TCM Innovation; 2018 Oct. 23-26, Changsha, China.
 11. **Ramesh K. Goyal.** Academia-Industry Collaborative Strategies for Drug Discovery R&D. 2018 Nov. 6, ASSOCHAM Delhi
 12. **Ramesh K. Goyal.** Application of Pharmacogenomics in Clinical Practice. World Conference on Medicine; 2019 Jan 4 Vadodara.
 13. **Ramesh K. Goyal.** Biomarker Based Drug Discovery & Pharmacogenomics Based Treatment of Diabetes. NIRMA STP Program; 2018 July 3, Ahmedabad.
 14. **Ramesh K. Goyal.** Biomarkers Diagnostics and Drug Discovery in Neuropsychological Disorders. Annual Conference of Indian Society of Neurosciences; 2018 Oct. 24, Mathura
 15. **Ramesh K. Goyal.** Cardio protection through traditional systems of medicine: Clinical and Experimental Evidences. 2018 April 19, Winnipeg, Canada.
 16. **Ramesh K. Goyal.** Challenges and Solutions to Capitalize Opportunities for research Funding. 2019 Jan 23, Subharti University, Meerut.
 17. **Ramesh K. Goyal.** Changing Trends in Pedagogy for Knowledge, Research and Regulations in Pharmacy. Prof. M. L. Shroff Memorial Lecture, APTI; 2018 Oct.5, Jaipur.
 18. **Ramesh K. Goyal.** Changing Trends in Strategies for Drug Discovery & Pharmacy Practice. PCI sponsored CME for Teachers; 2018 Sep. 5, Kolkata.
 19. **Ramesh K. Goyal.** Development of Innovative Courses in Sports Education. West Zone Vice Chancellor Conference; 2018 Nov 29, Navi Mumbai.
 20. **Ramesh K. Goyal.** Development of Novel Drug Formulations Exploring the Biodiversity of Andaman & Nicobar Islands through Biomarker based Multidisciplinary Approach. 2019 April 13, ANTRI, Port Blair, A & N Islands.
 21. **Ramesh K. Goyal.** Development of Novel Drugs from Medicinal Plants to Combat Viral Diseases; 2019 March 31, Walailak University, Thailand.
 22. **Ramesh K. Goyal.** Development of Novel Drugs from Medicinal Plants to Combat Antimicrobial Resistance: Lessons to be Learned from History in Context with Modern Development. Newton Bhabha Indo UK Workshop on Microbial resistance; 2018 Sep. 5, Kolkata.
 23. **Ramesh K. Goyal.** Diabetes and Constipation: Can there be a Specific Treatment? Annual Meeting of IACS (India Section) 2019; 2019 Feb 15, Delhi.

24. **Ramesh K. Goyal.** Impact of 4th Industrial Revolution in health sciences. International Conference on 4th IR; 2019 March 26, Nakhon Si Thammarat, Thailand.
25. **Ramesh K. Goyal.** Impact of Pharmacogenomics in Cardio-vascular Disease Management & Drug Development. 2019 April 23, HIMSAR, Hamdard University, New Delhi.
26. **Ramesh K. Goyal.** Leveraging Technology for Innovation in Health Sector Higher Education. CII Higher Education Summit, 2018 Dec.17, Delhi.
27. **Ramesh K. Goyal.** One Health-One World: Pharmacology bringing Biological World Together. 30th Annual Conference of ISVPT Conference; 2018 Dec 5, Agra.
28. **Ramesh K. Goyal.** Opportunities for India China Pharma Industry Tie Ups: Role of Pharmacy Institutions & University. PHD Chamber of Commerce, Indo-China Summit; 2018 June 14, New Delhi.
29. **Ramesh K. Goyal.** Pharmacovigilance Beyond the Adverse Drug Reaction Monitoring for Pharmacoeconomics & Outcome Research. John Autian Oration International Conference on Pharmacovigilance; 2018 Oct 8, Delhi.
30. **Ramesh K. Goyal.** Research Funding: Opportunities and Challenges. North Zone VC Conference; 2018 Dec 8, Chandigarh.
31. **Ramesh K. Goyal.** Role of Pharmaceutical Research in Diagnostics and Drug Development. International Conference on Translational Research, St. Xaviers Coll; 2019 Jan 9, Mumbai.
32. **Ramesh K. Goyal.** Safety Study of Regenerin and its Effectiveness in Animal Models of Diabetic Foot Ulcer. 80th Year Celebrations, Stravopol State Medical University; 2018 Sept 28, 2018, Russia.
33. **Ramesh K. Goyal.** Significance of Phytochemistry, Herbavigilance and Outcome Research in Pharmacy Practice. 1st ICOP; 2018 June 27, Sha Alam, Malaysia.
34. **Ramesh K. Goyal.** Significance of Regulation in the Growth of Pharmaceutical Sector. 4th PharmaTech; 2018 Sep. 5, Ahmedabad.
35. **Sushma Talegaonkar.** Recent advancement on drug delivery system in PCI sponsored Continuing Education Program (CEP) on Recent advancement and challenges in Pharmaceutical Education and Research, 2018 Oct. 6; Noida Institute of Eng. and Technology, Greater Noida.
36. **Sushma Talegaonkar.** Role of Nanotechnology in oral delivery of anticancer drug: Opportunities and challenges, in PCI sponsored Continuing Education Program (CEP) on Emerging Trends in Pharmaceutical Education and Research, 2018 Aug. 31; Rajkumar Goyal Institute of Technology, Ghaziabad.

DIPSAR FACULTY

Book/Book Chapters

1. **Chauhan MK.** Fluid Flow. Unit Operations in Pharmaceutical Engineering, CBS Publishers, 2019.
2. **Mathur R.** Pharmacogenetics and Pharmacovigilance. In: Textbook of Pharmacovigilance. eds: Gupta SK, Srivastava S Jaypee Brothers; New Delhi 2018: 174-179.
3. **Mathur R,** Gupta SK. Pharmacovigilance of Herbal Drugs. In: Textbook of Pharmacovigilance. Eds: Gupta SK, Srivastava S Jaypee Brothers; New Delhi 2018: 149-164.
4. **Mathur R & Sharma P.** Drug discovery and development of biologics. In: Drug Discovery and Clinical Research. Ed: Gupta SK, Srivastava S. Jaypee Brothers; New Delhi 2018: 41-54.
5. **Gupta SK,** Srivastava S. Drug Discovery & Clinical Research. 2nd edition, Jaypee Brothers
6. **Gupta SK,** Sushma S. Textbook of Pharmacovigilance. 2nd edition Jaypee Brothers.
7. **Bajaj S, Manchanda S.** Nutraceutical and functional foods in cancer management and therapy' In: Nutraceuticals in disease prevention. IGI Global International Publisher,

Pennsylvania, USA, Chapter 12, 341-390, 2018, ISBN: 9781522532675

Articles Publications

1. Kalyan Sand **Parle A.** Quality by design: changing outlook of pharmaceutical development. *Int J Pharm Sci & Res* 2019; 10(7): 1000-1009.
2. Singh VK and **Parle A.** A comprehensive review on Benz-imidazole. *Int J Pharm Sci & Res* 2019; 10(4): 1540-1552.
3. **Chauhan MK**, Bhatt, N., Bioavailability Enhancement of Polymyxin B with novel drug delivery: Development and Optimization using Quality-by-Design Approach, *J Pharm Sciences*. 2018;108(4)1521-1528
4. Goswami M, Bhatt N, Sharma PK, **Chauhan MK**, "Design and fabrication of a magnetically actuated non-invasive reusable drug delivery device", *Drug Dev Ind Pharm*, 2018;44(7)1070-1077.
5. Nair J, Velpandian T, Das US, Sharma P, Nag T, Mathur SR, **Mathur R.** Molecular and metabolic markers of fructose induced hepatic insulin resistance in developing and adult rats are distinct and Aegle marmelos is an effective modulator. *Scientific Reports* 2018; 8:15950:10.1038/s41598-018-33503.
6. Srivastava M, Suri C, Sigh M, **Mathur R.** Asthana S. Molecular dynamics simulation reveals the possible druggable hotspots of USP7. *Oncotarget* 2018; 9(76): 34289-34305.
7. Latha S, Yamini P, Mathur R. Evaluation of antiangiogenic potential of Psidium guajava leaves using In-Ovo chick chorioallantoic membrane assay. *Phcog Mag* 2018; 14:S284-93.
8. Nair J.C.V, Khan M, Anjum V, Ahamad S, **Mathur R.** Gas chromatography- mass spectrometric determination of components of leaves of Aegle marmelos and Psidium guajava and seeds of Nigella sativa and correlation with in vitro antioxidant activity. *Phcog Res* 2018; 10(2): 230-235.
9. Saxena T, Malhotra M, Kumar R, **Gupta SK.** Prevalence and association of co-morbidities in diabetic patients along with prescription pattern in Delhi-NCT, India. *Diabetes & Metabolic syndrome: clinical research & reviews*. 2019; 13(2):1209-1212.
10. Malhotra M, **Gupta SK**, Prakash A. Sitagliptin: A drug review. *Delhi Diabetic forum*. 2019; 28(1):20-21.
11. Saxena T, **Gupta SK**, Saxena P. Oral insulin- future of diabetes management. *Delhi Diabetic forum*. 2019; 28(1):02-06.
12. Kumar R, Prakash A, **Gupta SK.** Dapagliflozin: A drug review. *Delhi diabetic forum*. 2019; 27(4):105-107.
13. Kumar L, Prakash A, **Gupta SK.** Assessment of economic burden and quality of life in stable coronary artery disease patients. *Indian journal of medical specialties*. 2019; 10(1):26-29.
14. Gaur J, Prakash A, **Gupta SK.** Insulin Glulisine. *Delhi Diabetic forum*. 2017; 26(3).
15. Gaur J, Prakash A, **Gupta SK.** Evogliptin. *Delhi Diabetic forum*. 2018; 26(2).
16. Choudhary V, **Gupta SK.** Pricing and reimbursement policies in mature pharma markets: A comparative evaluation. *International journal of research in pharmacy and pharmaceutical sciences*. 2018; 3(1):164-171.
17. Gaur T, **Gupta SK.** Patient reported outcomes in health care sector: A brief review. *The pharma innovation journal*. 2018; 7(1):387-391.
18. Singh A, Saxena P, **Gupta SK.** Factors and management of infertility - A review. *International journal of scientific and engineering research*. 2018; 9(5).
19. Kumar L, Prakash A, **Gupta SK.** Assessment of the prescription pattern of anti-diabetic drugs in type-2 diabetes mellitus patients. *The pharma innovation journal*. 2018; 7(5):392.
20. Hans M, **Gupta SK.** Comparative evaluation of pharmacovigilance regulation of the United

- States, United Kingdom, Canada, India and the need for global harmonized practices. Perspectives in clinical research. 2018; 9(4):170-174.
21. **Kumar S, Bodla RB**, Nontargeted analysis and cancer cells cytotoxicity of *Aegle marmelos* Correa Ex Roxb. **Phcog Mag.** 14; 2018(54-55):1.
 22. **Himangini, Pathak DP**, Sharma V, **Kumar S**. Designing novel inhibitors against falcipain-2 of *Plasmodium falciparum*. *Bioorg Med Chem Lett.* 2018; 28(9):1566-9.
 23. **Kumar S, Bodla R**, Kant R. Non-Targeted Analysis and Cytotoxic Activity of *Hamelia Patens* Jacq. **IJPSR.** 99-1093:(3)9; 2018.
 24. **Bajaj S, Wakode SR**, Khan W, **Kumar S, Manchanda S**. Simultaneous HPTLC analysis and *In-vitro* antileishmanic activity of various secondary metabolites present in extract of the traditional medicinal herb *Artabotrys hexapetalus*. *Ayu*, 2018; 39: 92-100.
 25. Bhat LM, **Bajaj S**. The Pharmacognostic, Standardization, Phytochemistry and Phytopharmacological Potential of *Toona ciliata* M- An Overview, *Scholars Academic Journal of Pharmacy (SAJP)*, Jun 2018; 7(6): 284-290.
 26. **Bajaj S, Wakode SR**, Comparative *in-vitro* antioxidant, anti-inflammatory and antidiabetic activity of standardized polar extracts of *S. alata*. *MOJ drug design development and therapy*, 2018; 2(3): 151-155.
 27. Suraj S. Patil, Dipak D. Kumbhar, Jagdish V. Manwar, Rajesh G. Jadhao, Ravindra L. Bakal, **Wakode SR**. Ultrasound- Assisted Facile Synthesis of Nanostructured Hybrid Vesicle for the Nasal Delivery of Indomethacin: Response Surface Optimisation, Microstructure, and Stability. 2019.
 28. Amin H, **Wakode SR**, Tonk RK. Synthesis, Characterisation and Antimicrobial Activity of Morphine mannich base derivatives. **IJPSR** (2018):9(7):2760-2766
 29. Pasricha A, **Wakode SR**, Fayez F, Chhabra C. Benzoxazole: A mini review, *World J Pharm Sci* 2018; 6(8)
 30. Kamal S, **Wakode SR**. Step-up in liquid chromatography from HPLC to UPLC: A comparative and comprehensive review. *The Pharma Innovation Journal* 2018;7(8): 342-347.
 31. Kaur A, **Pathak DP**, Sharma V, Narasimhan B, Sharma P, **Mathur R, Wakode SR**. Synthesis, biological evaluation and docking study of N-(2-(3, 4, 5-trimethoxybenzyl) benzoxazole-5-yl) benzamide derivatives as selective COX-2 inhibitor and anti-inflammatory agents. *Bioorganic Chemistry*. 2018; 18(1): 191-202.
 32. Kaur A, **Wakode SR, Pathak DP**, Sharma V, Shukla AK. Synthesis, Cyclooxygenase-2 Inhibition, Anti-inflammatory Evaluation and Docking Study of Substituted-N-(3, 4, 5-trimethoxyphenyl)-benzo[d] oxazole derivatives. *Medicinal Chemistry*. 2018; 14: 660-673.
 33. Kaur A, **Pathak DP**, Sharma V, **Wakode SR**. Synthesis, molecular docking, and pharmacological evaluation of N-(2-(3, 5-dimethoxyphenyl) benzoxazole-5-yl) benzamide derivatives as selective COX-2 inhibitors and anti-inflammatory agents. *Arch Pharm* 2018.
 34. Kaur A, **Wakode SR, Pathak DP**, Sharma V. Synthesis, biological evaluation and docking study of a new series of di-substituted benzoxazole derivatives as selective COX-2 inhibitors and anti-inflammatory agents. *Bioorganic and medicinal chemistry*. 2018; 26: 891-901.
 35. Sahu M, Siddiqui N, Sharma V, **Wakode SR**. 5, 6-Dihydropyrimidine-1 (2H)-carbothioamides: synthesis, in vitro GABA-AT screening, anticonvulsant activity and molecular modelling study. *Bioorganic chemistry*. 2018; 77: 56-67.
 36. Kaur A, **Pathak DP**, Sharma V, **Wakode SR**. Synthesis, biological evaluation and docking

study of a new series of di-substituted benzoxazole derivatives as selective COX-2 inhibitors and anti-inflammatory agents. *Bioorganic & Medicinal Chemistry*. 2018; 26: 891-901

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38. Sharma N, Kakkar R, Bansal P, Singh A, Ojha H, **Pathak DP**, Sharma RK. Host-guest complexation studies of p-tertbutylcalix[4]arene against ions of interest for radiological decontamination, *Inorganicchimicaacta*. 2019; 484: 111-124.
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40. Bhutani R, **Pathak DP**, Kapoor G, Husain A, Iqbal MA. Novel Hybrids of Benzothiazole-oxadiazole-4-thiazolidinone: Synthesis, *in silico* ADME study, molecular docking and *in vivo* anti-diabetic assessment. 2019; 83: 6-19.
41. Kapoor G, **Pathak DP**, Bhutani R, Husain A, Jain S, Kant R, Iqbal MA. Novel oxadiazole based mannich base derivatives of fatty acid: Synthesis, *in silico* study and evaluation of their antihyperglycaemic potential through *in vivo* model. *Oriental Journal of Chemistry*. 2018; 34(5): 2253-267.
42. Bhutani R, **Pathak DP**, Kapoor G, Husain A, Kant R, Iqbal MA. Synthesis molecular modelling studies and ADME prediction of benzothiazole clubbed oxadiazole-Mannich bases, and evaluation of their anti-diabetic activity through *in vivo* model. *Bioorganic Chemistry*. 2018; 77: 6-15.

Research Projects

1. **Mathur R**. Impact of EMF radiation from mobile handsets on brain glucose transporters:

an experimental study. ICMR- 2017-2020-Rs.30.18 lakhs

2. **Mathur R**. Role of DPP-4 inhibitor in the management of Cardiomyopathy in streptozotocin induced experimental diabetes Novartis-2017-2019-Rs. 20 lakhs

Conference Presentations

1. Kalyan S, **Parle A**. Quality by design: changing outlook of pharmaceutical development. Proceedings of the 23rd annual national convention of association of pharmaceutical teachers of India; 2018 Oct 5-6; Jaipur, Rajasthan, India.
2. Kalyan S, **Parle A**. India's e-pharma industry: evolution and challenges. Proceedings of the national conference on online pharmacy: regulatory perspectives; 2019 Mar 1; Gurugram, Haryana, India.
3. Singh VK, **Parle A**. A comprehensive review on benzimidazole. Proceedings of the 23rd annual national convention of association of pharmaceutical teachers of India; 2018 Oct 5-6; Jaipur, Rajasthan, India.
4. Singh VK, **Parle A**. Various software used in drug discovery. Proceedings of the 2nd national conference on recent advances and challenges in healthcare; 2019 Mar 16; Gurugram, Haryana, India.
5. Kumar N, Prakash U, **Chauhan MK**. Acetazolamide ethosomes as an ocular delivery system. International Conference on Nanotechnology and its Application to Ocular Drug Delivery System" held at Malina Pharmacy College, Ukatarsadia University, Gujarat, India on January 26-28, 2019.
6. Mishra J, Agarwal R, **Chauhan MK**. Chitosan Niosomes for controlled delivery of Brimonidine tartarate in ocular delivery of open angle glaucoma. International Conference on Nanotechnology and its Application to Ocular Drug Delivery System" held at Malina Pharmacy College, Ukatarsadia University, Gujarat, India on January 26-28, 2019.

7. 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 Applications to Ocular Drug Delivery System" held at Maliba Pharmacy College, UkaTarsadia University, Gujarat, India on January 26-28, 2019.
8. Prakash U, Kumar N, **Chauhan MK**. Brinzolamide spanlastics for glaucoma. International Conference on Nanotechnology and its Application to Ocular Drug Delivery System" held at Malina Pharmacy College, Ukatarsadia University, Gujarat, India on January 26-28, 2019.
9. **Chauhan MK**, Yadav JP, Singh P. Fabrication and Evaluation of Biomaterial Based Multipurpose 3D Scaffolds at International Conference on "Nanotechnology and its Applications to Ocular Drug Delivery System" to be held at Maliba Pharmacy College, UkaTarsadia University, Gujarat, India January 26-28, 2019
10. **Chauhan MK**, Manjusha, Khanna G. Development of Protransferosomal gel of alendronate- a nitrogen containing bisphosphonate for transdermal route" presented at international conference on nanotechnology and its application to ocular drug delivery system" held at Malina Pharmacy college, Ukatarsadiq University, Gujarat, India on January 26-28, 2019.
11. Aggarwal R, Mishra J, **Chauhan MK**. Chitosan based antibacterial haemostatic scaffold for wound healing. International conference on nanotechnology and its application to ocular drug delivery system" held at Malina Pharmacy College, Ukatarsadia University, Gujarat, India on January 26-28, 2019.
12. **Chauhan MK**, Aggarwal R, Mishra J, Sharma PK. Nano particulate Encumbered Scaffolds for Neurodegenerative Induced Dementia. Conference on "Science and Technology for the future of Mankind" to be held at Vigyan Bhawan, New Delhi January 7-10, 2019.
13. Yadav M, Pawar A, **Chauhan MK**, Sandal N. Evaluation of in vitro binding efficacy of pulverized Chlorella for Mercury under different physiological conditions of G.I.T. 70th Indian Pharmaceutical congress, Amity University, Noida, 21-23 December 2018.
14. Kushwah H, **Chauhan MK**, Mittal G, Sandal N. Development and Validation of UV Spectrophotometric method for determination of Menthol. 70th Indian Pharmaceutical congress, Amity University, Noida, 21-23 December 2018.
15. Aggarwal R, Mishra J, Yenamandra J, **Chauhan MK**. Chitosan niosomes for controlled delivery of brimonidine tartrate to the ocular membrane. 70th IPC held at amity university, Noida, India on 21-23 December 2018.
16. Mishra J, **Chauhan MK**, Khanna G. Development of pro-transferosomal gel of alendronate- a nitrogen containing bisphosphonate for transdermal route. 70th IPC held at Amity University, Noida, India on 21-23 December, 2018.
17. Kumar N, Rajput T, **Chauhan MK**. Development and Evaluation of Probiosomes for Oral Delivery of Vancomycin. 70th Indian Pharmaceutical congress, Amity University, Noida, 21-23 December 2018
18. Manjusha, Singh P, **Chauhan MK**. Fabrication And Evaluation Of Biomaterial Based Multipurpose Three-Dimensional Scaffold. 70th Indian Pharmaceutical congress, Amity University, Noida, 21-23 December 2018
19. Prakash U, Kumari M, **Chauhan MK**. Novel Biodegradable Porous Chitosan Scaffold for Antibacterial Hemostatic. 70th Indian Pharmaceutical congress, Amity University, Noida, 21-23 December 2018
20. Tayal D, Kumar M, **Chauhan MK**. Kinetic Modelling Of Drug Release From Diltiazem Matrix Tablets Based On Nature Of Matrix Forming Synthetic And Natural Polymers. 70th Indian Pharmaceutical congress, Amity University, Noida, 21-23 December 2018

21. Aggrawal R, Mishra J, **Chauhan MK**. Ethioniosome asan Ocular Delivery System for Acetazolamide. 23rd Annual National Convention of Association of Pharmaceutical Teachers of India, 5-6 October 2018, Swami Keshvan and Institute of Pharmacy, Jaipur, India
22. Mishra J, Yadav M, **Chauhan MK**. Brinzolamide Spanlastics for Glaucoma. National Conference on Pharmacovigilance, Pharmacoeconomics and Outcomes Research. 23rd Annual National Convention of Association of Pharmaceutical Teachers of India, 5-6 October 2018, Swami Keshvanand Institute of Pharmacy, Jaipur
23. **Chauhan MK**, Sharma PK. Deciphering the role of Rivastigmine Scaffolds for Parkinsonism Dementia. 22nd Annual National Convention of Association of Pharmaceutical Teachers of India Conference" (APTICON), Lloyd Institute of Management & Technology, Noida, 24 March 2018 Bottom 8.
24. Dhawan MK, Nasa S, Khurana S, Chhangani S and **Chauhan MK**. Bupropion Hydrochloride for Major Depressive Disorder: A Novel Sustain Release Matrix Tablet based on Polyelectrolyte Complexes. National Symposium on Research Methodology, Jamia Hamdard, New Delhi, March 7' 2018.
25. Yadav M, Khanna G, **Chauhan MK**. Vesicular System of Brinzolamide for Delivery to the Interior of eye. Recent Advances in Pharmaceutical Sciences and Health, Jamia Hamdard, New Delhi February 26' 2018.
26. Aggarwal R, Chetna, **Chauhan MK**, Sahoo PK. Clomipramine and Venlafaxine Multilayered Matrix Tablets. Recent Advances in Pharmaceutical Sciences and Health, Jamia Hamdard, New Delhi February 26' 2018.
27. Sharma PK, **Chauhan MK**. Exploring Integrated Topical Scaffold Patch System. Recent Advances in Pharmaceutical Sciences and Health, Jamia Hamdard, New Delhi February 26' 2018.
28. **Chauhan MK**, Singh MA, Chauhan A. Emerging trends of Nanotechnology in Health Care System. Recent Advances in Pharmaceutical Sciences and Health, Jamia Hamdard, New Delhi February 26' 2018.
29. Smridhi, Sanyam, Mayank and **Chauhan MK**. Emerging trends in Transdermal Drug Delivery Systems. Recent Advances in Pharmaceutical Sciences and Health, Jamia Hamdard, New Delhi February 26' 2018.
30. Sharma PK and **Chauhan MK**. National Seminar on Nanomedicine and Nanotechnology in Health Care organised at Apeejay Satya University, Gurugram, Feb 17' 2018.
31. **Chauhan MK**, Singh MA, Chauhan A, in National Seminar on Nanomedicine and Nanotechnology in Health Care organised at Apeejay Satya University, Gurugram, Feb 17' 2018.
32. Yadav N, Thota C, **Chauhan MK**, Chauhan VS. Self-assembled Ultrashort Peptide based Hydrogels for Drug Delivery and Tissue Engineering. CHASCON (Chandigarh Science Congress) Panjab University, Chandigarh 12-14 Feb 2018.
33. **Chauhan MK**, Sharma PK. Anti-osteoporetic Cissusquadrangularis formulation: An integration of Novel Drug Delivery System and Indian Ayurvedic medicine to combat more serious diseased. International Conference on Challenges for Global Competitiveness of AYUSH and Natural Products at DPSRU, 2-4 Feb 2018.
34. Jayachandran NCV, Ahamad S, Khan W, Anjum V, **Mathur R**. Simultaneous HPTLC determination of Rutin, Quercetin and Gallic Acid from medicinal plants. Proceedings of the International Conference on Challenges for Global Competitiveness of AYUSH and natural products and IASTAM oration and award function. 2nd -4th Feb, 2018. New Delhi, India.
35. **Pathak DP**. Oral presentation given in 23rd Annual National Convention Of Association Of Pharmaceutical Teachers Of India on 5th-6th October 2018 at Swami Keshvan and Institute of Pharmacy, Ramnagar, Jagatpura, Jaipur.

36. Chodon U, **Manchanda S.** Polymeric nanoformulation of Eudragit RL 100 loaded Voriconazole for ocular delivery at Indian pharmacy Graduates' Association sponsored

national conference organized by School of Medical and Allied Sciences K.R.Mangalam University Sohna Road Gurgaon held on 1st March, 2019 .

AWARDS, HONOURS AND DISTINGUISHED RECOGNITIONS



AWARDS, HONOURS AND DISTINGUISHED RECOGNITIONS

(Dr. Mukesh Nandave)

AWARDS AND HONOURS

1. **Chauhan MK**, Pankaj Kumar Sharma. 2nd Best Poster Paper. "Deciphering the role of Rivastigmine scaffolds for Parkinsonism Dementia" at 22nd Annual National Convention of Association of Pharmaceutical Teachers of India Conference" (APTICON), Lloyd Institute of Management & Technology, Noida, 24 March 2018.
2. **Chauhan MK**, Pankaj Kumar Sharma. Best Poster Paper Award. "Exploring Integrated Topical Scaffold Patch System" One day National conference on "Recent Advances in Pharmaceutical Sciences and Health", Jamia Hamdard University, New Delhi, 26 Feb 2018.
3. **Geeta Aggarwal**. Youngest Teacher Award by OPF. February 17, 2019.
4. **Gupta SK**, Prof. K. N. Udupa award: Award of Excellence for Research in Ayurveda/ Indigenous System of Medicine – IASTAM India.
5. **Gupta SK**, Lifetime achievement award in cardiovascular sciences – International Academy of Cardiovascular Sciences, Winnipeg, Canada.
6. **Gupta SK**, Makoto Nagano award for distinguished achievements in cardiovascular education – International Academy of Cardiovascular Sciences, Winnipeg, Canada.
7. **Harvinder Popli**. Appreciation Award by Ph.D. Chamber, My India My Start-up 100 Chamber by 2025. September 20, 2018.
8. **Harvinder Popli**. Exceptional Women of Excellence. 2018.
9. **Harvinder Popli**. Recipient of Double Helical national health Award for contribution in Healthcare Sciences.
10. **Jyoti Kataria**. Physio Excellence Award, International Conference of Spine and Brain, NEURAXIS 2018 at Institute of Applied Medicine and Research, September 29, 2018.
11. **Jyoti Kataria**. Physio Gaurav Sammaan, Nirupama Health Research Charitable trust, Manual Therapy foundation of India (MTFI), New Delhi. October 7, 2018.
12. Kalyan S and **Parle A**. best poster. Quality by design: changing outlook of pharmaceutical development. 23rd Annual national convention of APTI; 2018 Oct 5-6; Jaipur, Rajasthan, India.
13. Kalyan S and **Parle A**. best poster India's e-pharma industry: evolution and challenges. National conference on online pharmacy: regulatory perspectives; 2019 Mar 1; Gurugram, Haryana, India
14. **Keerti Jain**. Best Oral Presentation by Association of Pharmaceutical Teachers of India (APTI), Swami Keshvanand Institute of Pharmacy, Jaipur. October 6, 2018.
15. **Madhu Gupta**. Best Administrative Service Award 2018 by Grace India Educational Charitable Trust with Bharat Ratna Dr. APJ Abdul Kalam Memorial Grace India, Hansraj College, Delhi University. October 27, 2018.
16. **Madhu Gupta**. Young Scientist Award 2018 by Biomedcon 2018, International Conference on Recent Advances in Biomedical Sciences: Diagnostic and 4th Annual Scholars Science Meet at Kirori Mal College Delhi in collaboration with Society of Biomedical Laboratory Scientist, India. December 28, 2018.

17. **Madhu Gupta.** Awarded grant for Start-up Proposal entitled “Edible biodegradable cutlery” by DPSRU Innovation and Incubation Foundation (DIIF).
18. **Madhu Gupta.** Awarded Youth Education Icon of the Year 2018 in ICIPMBS-2018, 2nd International Conference on Innovation in Pharmaceutical, Medical and Bio-Sciences-2018 in association with PVPI, Indian Pharmacopoeial Commission, IPC, Ghaziabad and Oriental University Indore. September 29-30, 2018.
19. **Mahaveer Dhobi.** Awarded grant for UK-India Newton Bhabha Fund Researcher Links Workshop, Jadavpur University, Kolkata. September 4, 2018.
20. **Mukesh Nandave.** APTI Young Pharmacy Teacher of the Year Award by Association of Pharmaceutical Teachers of India (APTI), Jaipur. October 5, 2018.
21. **Parul Sharma.** Achrekar Award, Sports connect 2019, Janakpuri, Delhi. March 3, 2019.
22. **Parul Sharma.** Best Poster Presentation, Sports connect 2019, Janakpuri, Delhi. March 3, 2019.
23. **Parul Sharma.** Significant Contribution Award, UPCON 2018 by Indian association of Physiotherapists, Lucknow. November 25, 2018.
24. **Parul Sharma.** Academic Excellence Award, Femcon 2019, Jaipur National University, Jaipur. March 31, 2019.
25. **Parul Sharma.** Best Poster Presentation, 2nd International conference of Physiotherapists Physio-Harcon 2018, Rohtak. September 16, 2018.
26. **Parul Sharma.** Young Achievers Award, 2nd International conference of Physiotherapists PHYSIOHARCON 2018, Rohtak. September 16, 2018.
27. **Ramesh K. Goyal.** Awarded Diploma of the Honorary PROFESSOR of the Stavropol State Medical University, Russia. September 27, 2018.
28. **Ramesh K. Goyal.** Double Helical National Health Awards 2018, Hotel Lalit, New Delhi. November 16, 2018.
29. **Ramesh K. Goyal.** Fellowship of Indian Society of Veterinary Pharmacology and Toxicology. 2018.
30. **Ramesh K. Goyal.** John Autian Oration in the field of Pharmacovigilance in National Conference on Pharmacovigilance, Pharmacoeconomics and Outcomes Research. Delhi Pharmaceutical Sciences and research University. October 10, 2018.
31. **Ramesh K. Goyal.** Life Time Achievement Award on the Educational Standards and Testing Council of India (Test-Coin), New Delhi. August 1, 2018.
32. **Ramesh K. Goyal.** Prof. M. L. Shroff Oration in APTI Jaipur. 2018.
33. **Shilpa Jain.** Emerging Physio Award, 1st National Sports Conference, Delhi. October 18, 2018.
34. **Shilpa Jain.** Swabhimaan Samman Award, New Delhi. September 16, 2018.
35. **Shyam S. Agrawal.** Research Ratna Awards by World Research Council & United Medical Council entitled Innovative Professor in Bioavailability and Bioequivalence study of different brands. 2018.
36. **Sushama Talegaonkar.** Prof C J Shishoo Award for Research in Pharmaceutical Science by APTI, Jaipur. October 5, 2018.

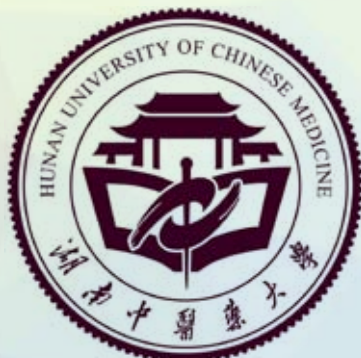
DISTINGUISHED RECOGNITION

1. **Harvinder Popli.** Chairperson and Coordinator for “Train the Trainer” for Design Thinking.
2. **Harvinder Popli.** Chairperson for oration in Pharmaceutical Development at 70th IPC, 2018,

3. **Harvinder Popli.** Chairperson of Local Organizing Committee for 70th IPC, Amity, December 21-23, 2018.
4. **Harvinder Popli.** Leading winner team at Lufthansa Impact Week. October 8-11 2018.
5. **Harvinder Popli.** Cover story in Pharma Express Journal of Indian Express listed as Women in leadership. 13(9), 74.
6. **Harvinder Popli.** Nominated by Women Economic Forum WEF-Hauge 2018.
7. **Jyoti Kataria.** Executive Chairperson, Nirupama Health Research Charitable Trust, Manual Therapy Foundation of India at constitution Club of India, New Delhi on 7th October 2018.
8. **Jyoti Kataria.** Joint Organizing Secretary, Workshop on Manual Therapy at Delhi Pharmaceutical Sciences and Research University, New Delhi. September 7, 2018.
9. **Jyoti Kataria.** National Chairperson of Scientific Committee of Conference at AIIMS New Delhi. December 23, 2018.
10. **Jyoti Kataria.** Organizing Secretary, certificate course in Manual therapy by Manual Therapy Foundation of India, Le Heritage Hotel, New Delhi. July 20, 2018.
11. **Jyoti Kataria.** Physiotherapy consultancy as sports Physiotherapist by Asian Martial Arts Games 2018 organized by World Martial Arts Games Committee, WHO, UNESCO at Tal katora stadium, New Delhi. November 13, 2018.
12. **Jyoti Kataria.** Scientific Committee Member, 4th International Congress on brain and spine Neuraxis, at Institute of Advanced Management and research, Uttar Pradesh, on September 29, 2018.
13. **Jyoti Kataria:** Organizing Secretary, Hands on workshop on Myofascial Release Techniques by Manual Therapy Foundation of India. Le Heritage hotel, New Delhi. July 29, 2018.
14. **Madhu Gupta.** Associate Editor, Journal of Drug Delivery Letter in 2018, Editorial Board Members in Youth in Medicine Research in 2018.
15. **Madhu Gupta.** Chairperson, Venue and Inauguration Recent Advancement in Physiotherapy in 1st National Physiotherapy Symposium at Delhi Pharmaceutical Sciences and Research University. September 6, 2018.
16. **Madhu Gupta. Coordinator,** 1st Faculty Development Program 2018 on "Pedagogy Research & Administration Tools" at Delhi Pharmaceutical Sciences and Research University. June 18-22, 2018.
17. **Mahaveer Dhobi.** Signed MoU with Hunan University of Chinese Medicine at Changsha, Hunan, China on behalf of the DPSR University.
18. **Mukesh Nandave.** Resource Person in AKTU Sponsored FDP conducted at Noida Institute of Engineering and Technology, Noida. May 7, 2018.
19. **Mukesh Nandave.** Resource Person in PCI-CEP at Sardar Bhagwan Singh University, Dehradun. September 20, 2018.
20. **Mukesh Nandave.** Resource Person in the 106th Indian Science Congress at Lovely Professional University, Jalandhar, Punjab. January 6, 2019.
21. **Shilpa Jain.** Panelist at Sports conclave by IAP women cell, Delhi. March 3, 2019.
22. **Shyam S Agrawal.** Monograph Development of *Berberis aristata* and *Nigella sativa*.



MoU & COLLABORATOR



LIBRARY NEWS AND MEDIA COVERAGE

(Ms. Yogita Ahuja)

The library established in the University campus in 1979, is now a well-organized information system which enables the users to have the access to the required document and information in minimum time. The library covers a total area of 4400 sq. ft. and is fully air-conditioned.



Library sciences in the University is also playing a vital role in furthering the academic, research and consultancy mission of DPSRU/DIPSAR by facilitating creation, dissemination and sharing of knowledge in the field of Pharmaceutical Sciences and its allied subjects through e-services. PG students and the staff members receive knowledge alerts from time to time on recent happening at their personal email.

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.

Vision for DPSRU Library

- 1) To become an apex Resource Centre with a state-of-the-art library resources and services in the pharmaceutical sciences and its allied subject.
- 2) 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.

- 3) 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.
- 4) To build a global network of information centre on pharmaceutical sciences and its allied subject.
- 5) To support pedagogy and R&D in pharmaceutical sciences studies.
- 6) To manage the information resources effectively and actively promote the optimum usage.
- 7) To achieve continuous improvement of services, facilities and resources.

Library Statistics

S.No.	Library Resources/ Collection	Till Date
1.	Book	20176
2.	Journals	37 (4 International +33 National)
3.	Magazines	12 (8 English & 4 Hindi)
4.	Newspapers	6 (English & 2 Hindi)
5.	Bound Volumes	500
6.	Thesis	100

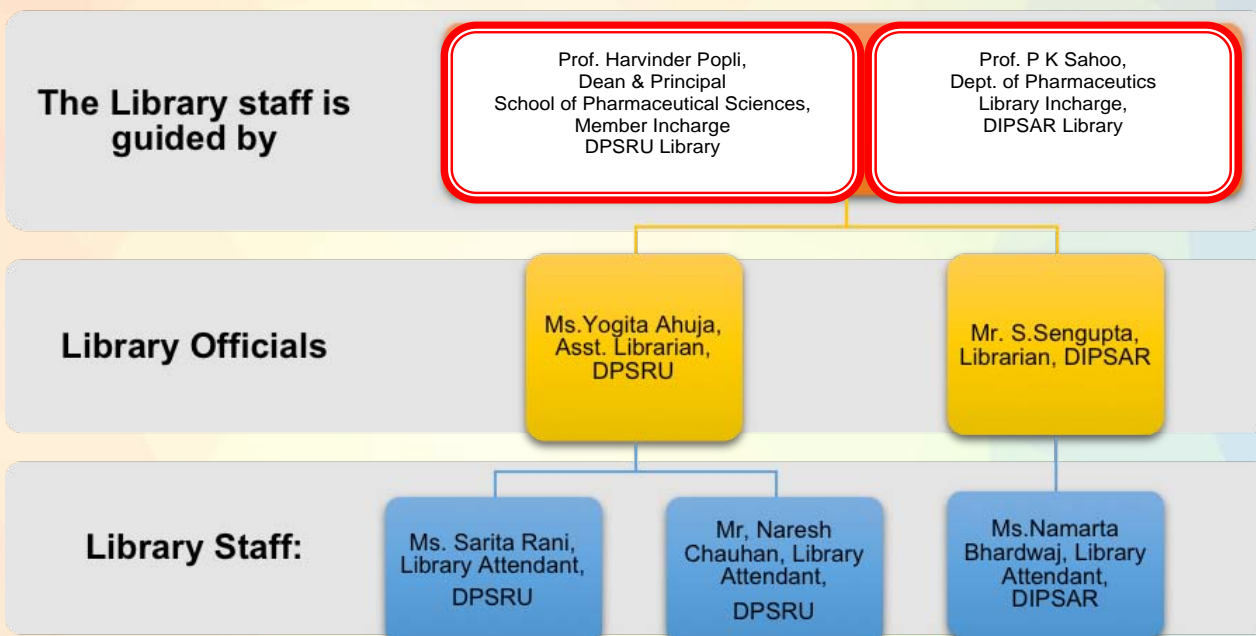
In the year 2018-19, the Library has added 875 books in the field of Physiotherapy, Pharmaceutical Sciences, and its allied fields. The library has added books by leading authors in the niche areas of Regulatory Affairs, Bioinformatics, Food Regulation, Nutraceuticals and Entrepreneurship in its collection.

Library Services

The library is acknowledged by the services its 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.

HIERARCHY



Library Proposals Initiated in Year 2018-19

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 In-charge, 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



FUTURE PLAN OF LIBRARY



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



Fully Automation of Library operations and services
with RFID Technology

UNIVERSITY NEWS IN MEDIA

Video Coverage: Interview of Hon'ble Vice Chancellor taken by The Team of Double Helical.

Published on You Tube.Com, on dated 12th July 2018.



Video Coverage : Interview of Hon'ble Vice Chancellor taken by the Team of Double Helical.

Video Coverage: Interview of Hon'ble Vice Chancellor taken by The Team of Double Helical.

Published on You Tube.Com, on dated 12th July 2018.



The Delhi Pharmaceutical Sciences and Research University will be beginning admissions to courses of beauty and wellness consultant, sports fitness and yoga application and sports digitisation and performances management.

Symposium organised on “Recent Advancement in Physiotherapy” at DPSRU. Published in Double Helical magazines, Vol 4 Issue 11, October 2018 Issue.



Symposium organised on “Recent Advancement in Physiotherapy” at DPSRU

Academia & industry collaborate to innovate novel formulations. Published in Expressbpd.com. on dated 5th October 2018.



Delhi Pharmaceutical Sciences & Research University, New Delhi (DPSRU), first Pharmacy University of India, has signed a Memorandum of Understanding for collaboration with AI-niche Life-sciences, a pharmaceutical company head quartered in New Delhi to develop innovative formulations in the field of Nephrology & Critical care



Hon'ble Vice Chancellor of DPSRU University gets Second Hon'ble Professorship in Stavropol state Medicine University (StSMU), Russia. Published in Double Helical at pg. no. 8 Volume No.5, Issue No.2 January 2019



Glimpses : National Health Award 2018. Interview Coverage of Hon'ble Vice Chancellor, Prof. Ramesh K Goyal & Professor of Pharmaceutics and Dean, Dr. Harvinder Popli. Published in Double Helical: A Complete health Journal. at Page No. 39-41, Volume No. 5 Issue No. 1 December 2018.



DPSRU organizes Body, Mind and Soul Events. Published in Double Helical magazines, Vol. 5, Issue 3, Page No. 7, Feb. 2019.

Article on "Towards a Healthier Heart" written by Prof. Ramesh Goyal" Published in Double Helical: A Complete health Journal. at page no. 36-41, Volume No. 5 Issue No. 4 March 2019.



Article on "Innovation in Care" written by Prof. Harvinder Popli and Dr. Geeta Aggarwal" Published in Double Helical: A Complete health Journal. at page no. 20-25, Volume No. 5 Issue No. 4 March 2019.



DPSRU Hosts "Train The Trainer" Program for Design Thinking Impact Published in Double Helical: A Complete health Journal. at page no. 8-9, Volume No. 5 Issue No. 4 March 2019.



DPSRU Celebrated National Youth Day (NYD) by Blood Donation Campaign. Published in Accuprec News on 9 Feb 2019.



Distinguished Professor S. K. Gupta has been awarded by "Life Time Achievement Award in Cardiovascular Science, Medicine Surgery" by International Academy of Cardiovascular Sciences, Winnipeg (Canada)- Feb 2019 (Bangalore, India).

LIFETIME ACHIEVEMENT AWARD IN CARDIOVASCULAR SCIENCE, MEDICINE AND SURGERY BY INTERNATIONAL ACADEMY OF CARDIOVASCULAR SCIENCES, WINNIPEG (CANADA) – Feb 2019 (Bangalore, India)

Conferred to Dr. Suresh K. Gupta



Dr. Suresh K. Gupta has been associated with the International Academy of Cardiovascular Sciences (India section) since its inception in 2004 in India. He was secretary General from 2004 to 2011. During this period he organized various National and International Conferences to promote Cardiovascular Programs in of Medical Sciences, New Delhi and has been Dean & Director General Institute of Clinical Research (India), which is one of the premier and pioneering Institute in the country. He is the founder of WHO National Pharmacovigilance Center at AIIMS. Dr. Gupta has been expert-member of a number of committees of DST, DBT, CSIR and Ministry of Health and Family Welfare, Govt. of India. He has been visiting Professor to several prestigious universities in UK, USA, Germany and Japan. In recognition of his outstanding contributions Dr. Gupta has been conferred the "Lifetime Achievement Award in Cardiovascular Sciences" and "Distinguished Services Award in Cardiovascular Science, Medicine and Surgery" by IACS, Canada and also "Eminent Care Professor and Care of Manages" by Eye Care Awareness and international patents to his credit based on his research. Dr. Gupta is President of the International Society for Pharmacoeconomics and Outcomes Research- Cardiovascular Sciences. Dr. Gupta has published more than 350 research papers and edited and authored seventeen books some of them include 'Basic Principles of Clinical Research', 'Textbook on Pharmacovigilance', 'Drug Screening Methods' etc. He has guided more than 140 postgraduate students. He is elected fellow of IPS (India), ISER (USA), IACS (Canada) and FRSC (Romania). Dr. Gupta has been awarded several research grants from DST, DBT, CSIR, ICNIR and UK India Education Research Initiative (UKIERI) Educational grant this year to work on management of diabetes and its complications. He is President International Society for Pharmacoeconomics and Outcomes Research, India Chapter.

Dr. Suresh K. Gupta Receiving Lifetime Achievement Award. L to R: Dr. Ramnath Ganai, Keshav Talwar, Nirmal Ganguly, Suresh Gupta, Narayan Dhillon

Country: One of the major objective was to bring the Clinical and as well as basic Scientists on the same forum. From 2011 to 2015 Professor Gupta was elected President of the Society. During his tenure IACS India Section has established several sections and awards to encourage Eminent Scientists and Young Investigators.

One of the major research contribution of Professor Gupta has been to establish the scientific basis for the use of herbal medicines for various cardiovascular disorders. He has shown that these are useful in the prevention and treatment of cardiovascular disorders if used judiciously. He has published a large number of papers in National and International Journals on his research.

Currently Professor Gupta is National Advisor to the Pharmacovigilance Programme of India (Ministry of Health and Family Welfare). Dr. S.K Gupta was formerly Head, Department of Pharmacology at All India Institute.

DPSRU Organized on Hands-on Training about Taping Techniques Published in Accuprec News on May 13, 2018



Glimpses: National Health Award 2018. Interview Coverage of Hon'ble Vice Chancellor, Prof. Ramesh K Goyal & Professor of Pharmaceutics and Dean, Dr. Harvinder Popli Published in Double Helical: A Complete health Journal. at page no. 39-41, Volume No. 5 Issue No. 1 December 2018.



A galaxy of stalwarts from healthcare industry descended at Double Helical National Health Awards 2018. Published in Double Helical magazine, November Issue (Online).



Symposium organised on "Recent Advancement in Physiotherapy" at DPSRU.
Published in Double Helical magazines, Vol 4 Issue 11, October Issue.



DPSRU Faculty Bags "Youth Education Icon of the Year 2018" Award.
Published in Double Helical magazines, Vol 4 Issue 11, October Issue.



DPSRU doctors honoured at National Sports Physiotherapy Conference.

Pharma professionals should become 'Labtop Researcher' instead of 'Laptop Researcher'
Published in Accuprec news on 15th September 2018.

Pharma professionals should become 'Labtop Researcher' instead of 'Laptop Researcher'. Prof. R.K. Goyal, Hon. Vice Chancellor of Delhi Pharmaceutical Sciences and Research University (DPSRU), the 1st Pharmacy University of India said. Dr. Goyal enlighten staff of Accuprec Research Lab in 7th Accupulse Lecture. Dr. Manish Rachchh, Director & CEO and Mayur Kandoriya, Director & CMO welcomed the world class guest of Accupulse lecture series by presenting him a memento. Whole staff enjoyed the expert lecture and learned a lot which can be useful in Research as well as Analysis and Pharmacological studies.

DPSRU Innovation & Incubation Foundation (DIIF), with the support of CL Educate Ltd., Indian Pharmaceuticals Association (IPA), Delhi Branch and Association of Pharmaceutical Teachers of India has launched one of its kind health care hackathon "Health Hack" Solving Healthcare Issues at DPSRU Campus, New Delhi.

Published in APTI bulletin, Vol No 19 Issue No. 113 May- June 2018 (Bulletin attached)

APTI BULLETIN 7



Department Mrs. Pooja Sharma delivered a talk and expresses her views on the objective and significance of workshop through presentation which was followed by interactive session which gave the participants an opportunity to interact with speaker. After the plenary session all the delegates and participants moved for lunch. After the lunch, all the participants shows their interest in the practical session in which their practical aspects clarified by the faculty members by performing the experiments on different objectives of granulating, blending, punching of tablets, coating and testing of tablets.



Deep sense of appreciation for the efforts taken by assistant professor Kirandeep Kaur with core committee members for successful conduction of this event.

Various students from different colleges of Pharmacy from Punjab and Haryana were participated in workshop and also in the quiz competition.



First prize was grabbed by diploma final year students of host institute. Second Prize was given to St. Soldier's College of Pharmacy, Jalandhar and Third Prize was given to B. Pharmacy 6th Semester of our institution.

join together to make this workshop a real successful event. He also presented cash prizes along with trophies to the winner teams and congratulated all the faculty members of Sri Sai College of Pharmacy, Manavala, Amritsar for organizing the event.



DPSRU Innovation & Incubation Foundation (DIIF), with the support of CL Educate Ltd., Indian Pharmaceuticals Association (IPA), Delhi Branch and Association of Pharmaceutical Teachers of India has launched one of its kind health care hackathon "Health Hack" Solving Healthcare Issues at DPSRU Campus, New Delhi. The pitching session was inaugurated by Prof. Ramesh K. Goyal, Hon'ble Vice-Chancellor, DPSRU and Director DIIF, Prof. Prof. Raman Dang, Registrar DPSRU, and Prof. Harvinder pool, Offg. Dean DPSRU, Director DIIF. Prof. Ramesh K. Goyal shared his vision and said that Health Hack is a platform where young innovators come together and create projects/innovations to solve health care issues in a short span of time.

Prof. Raman Dang welcomed all the experts, team members and participants. Prof. Harvinder Pool enlightened her view that the main objective of organizing the Health Hack was to promote innovation with an aim to create solutions to medical problems and barriers and boost in Healthcare sector through Technology Transfer and focus on High value production to provide world class affordable, acceptable and accessible health care products.

Being in this series, DIIF successfully organized a Workshop on Solving Healthcare Issues through Innovation' on 23rd March, 2018 from 10:00 a.m. to 02:00 p.m. at DPSRU Campus, New Delhi. In this workshop, approximately 203 proposals were received and after





DPSRU VC & faculties got awarded in APTICON at Jaipur Published in Accuprec News on 10th Nov. 2018



DPSRU Celebrates World Environment Day. Published in Accuprec News on 1st July 2018.



DPSRU Celebrates World Environment Day. Published in Accuprec News on 1st July 2018.

DPSRU to start courses in Biopharmaceuticals and biosimilars.
Published in Accuprec news on 5th August 2018.



First Management Forum at DPSRU, New Delhi.
Published in Accuprec news on 13th April 2019.



Prof Ramesh Goyal, shared vision of DPSRU to align with future technologies of Healthcare delivery systems. Prof Harvinder Popli shared the objective of the forum is to disseminate and cultivate 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.

MANAGEMENT FORUM
EMERGING DIMENSIONS IN HOSPITAL HEALTHCARE SYSTEM

CHIEF GUEST
DR. SHREYAS GUPTA
CHAIRMAN
DR. RAMESH GOYAL

13TH APRIL 2019
TIME: 10:00AM

DR. RAMESH GOYAL
CHIEF GUEST
DR. HARVINDER POPLI
TECHNICAL DIRECTOR
(HOSPITAL HEALTHCARE)

INTERNAL QUALITY ASSURANCE CELL (IQAC): ACADEMIC ACTIVITIES, COLLABORATIONS, LECTURES & CONFERENCES/SEMINARS/WORKSHOPS

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

Internal Quality Assurance Cell (IQAC) at the DPSRU was established in 2017 and on 16th May 2019, the committee was reconstituted and will be in the chairmanship of Prof. Ramesh K. Goyal and Dr. S. K. Gupta as member from Management and Dr. J. Swaminathan as co-ordinator of IQAC.

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 central IQAC hosted in MIS Cell of DPSRU, New Delhi.

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 the purpose of maintaining /enhancing the institutional quality;
- i) Development of Quality Culture in the institution.

COLLOQUIA LECTURE SERIES 2018-2019

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

Guest Lectures

S. No.	Name of Expert	Designation & Contact Details	Date of Lecture	Topic of Lecture
1	Prof. Avinash Dhake	Professor, and Principal S.M.B.T. College of Pharmacy, Nasik	26/07/2018	Prodrugs - Concept, applications, and design
2	Prof. V. Gopal	Registrar Academic, Principal, College of Pharmacy, Mother Theresa Post Graduate and Research Institute of Health Sciences (A Government of Puducherry Institution), Puducherry	29/08/2018	Spirituality and Science in Modern Era
3	Dr. S. Venkatesh	Associate Professor, Satya Sai Institute of Higher Learning, Deemed University, Purthpurthy	30/08/2018	Metabolic Deregulation induces amyloidogenesis in Huntington's disease
4	Dr. Mukul Minocha	Associate Principal Clinical Pharmacologist at AbbVie, (Ph.D. in Pharmaceutical Sciences from the University of Missouri-Kansas City)	20/09/2018	Role of Clinical Pharmacology in drug development
5	Ranjeet Oberoi	Clinical Pharmacokineticist, AbbVie, (Ph.D. in Pharmaceutics from the University of Minnesota)	20/09/2018	Career opportunities abroad for Pharmacy
6	Prof. Dorian O. Haskard	Head, Division of Myocardial and Vascular Biology, National Heart and Lung Institute, Imperial College, London	15/10/2018	Humoral Immunity in Atherosclerosis
7	Dr. Veeranoot Nissapatorn	Walailak University, Thailand	17/12/2018	Exploring Research in Public Health
8	Prof. Pawan Singal	Institute of Cardiovascular Sciences, Winnipeg, Canada	17/12/2018	Panel Discussion on Cardiovascular Disease Prevention
9	Dr. Ameya Kasture	Department of Neurobiology, University of Vienna, Austria	28/12/2018	Understanding folding and trafficking aspects of neurotransmitter transporters from a fly lens
10	Dr. Kanan Shah	Australia	11/01/2019	Pharmacy Practice in Australia: Opportunities for Indian Pharmacists" and also the "One-year course in Australia for the practice of Assistant Pharmacist
11	Prof. R.C. Deka	Professor Emeritus & Adviser to Director, Indira Gandhi Institute of Medical Sciences (IGIMS), Patna, Bihar	24/01/2019	Funding and Mentorship Progress for Innovation and Research

S. No.	Name of Expert	Designation & Contact Details	Date of Lecture	Topic of Lecture
12	Mr. Ashutosh Pastor	Manager, Biotechnology Business Incubation Facility	24/01/2019	Funding and Mentorship Progress for Innovation and Research
14	Dr. Ramesh Gaur	Director, Indira Gandhi National Centre	29/01/2019	How to write an effective Research Paper
15	Dr. Rajiv Duggal	Founder Director, Pheasantz Pharma Solution, PaschimVihar, New Delhi, Dermatologica.	31/01/2019	Cosmeceutics based formulations and their Recent advancements
16	Prof. V.K. Mourya	Principal Govt. College of Pharmacy, Aurangabad (MS)	04/02/2019	Recent updates on Spectroscopy
17	Dr. Marina	University of Mandley, Bruno	07/02/2019	Interaction & Discussion about research opportunities
18	Dr. Hetal Shah	Founder & Principal Consultant, 710, Santorini Square Besides Abhishree complex, Gujrat	14/02/2019	The Art and Science of Medical Writing
19	Dr. P. L. Sahu	Director, NDTL, New Delhi	14/02/2019	Recent Advances in Pharmaceutical Analysis
20	Dr. Kirti Soni	Head, Dabur Formulations, Ghaziabad	21/02/2019	Cosmeceutics based formulations: Present and future prospects
21	Prof. N. S. Dhalla	Distinguished Professor & Director of Cardiovascular Developments, SBRC, Institute of Cardiovascular Sciences, St. Boniface Hospital Albrechtsen Research Centre, 351 Tache Avenue, Winnipeg, MB R2H 2A6 Canada	25/02/2019	Role of the Sympathetic Nervous System in the Genesis of Sudden Cardiac Death
22	Mr. Anand Bajpai	TurnitIndia Education Pvt. Ltd.	28/02/2019	User Awareness session on Turnitin- Anti-Plagiarism Internet Based Service".
23	Prof. Man Singh	Dean, School of Chemical Science, Central University of Gujrat, Gandhinagar	01/03/2019	Application of Molecular Interaction in Nanoscience and Drug design
24	Dr. Jitendra Kumar Badjatya	Umedica Laboratories Pvt, Ltd. Vapi, Gujaraty,	26/03/2019	Roles & Responsibilities of Regulatory affairs Professional
25	Prof. P. R. Vavia	Professor in Pharmaceutics at The Institute of Chemical Technology Mumbai,	28/03/2019	Recent updates in Dosage from design
26	Dr. Shashi Bala Singh	Director, Niper Hyderabad, Ex-Director General, DRDO and DIPAR	07/05/2019	Opportunities for research funding for budding scientist
27	Dr. Prajwal Nandekar	Scientist, Schrodinger, Bangaluru	20/05/2019	Recent Updates on computer Aided Drug Design
28	Dr. Vinod D.	Scientist, Schrodinger, Bangaluru	20/05/2019	Recent Updates on computer Aided Drug Design



CONFERENCES, ACADEMIC PROGRAM AND WORKSHOP 2018-19

Faculty Development Program on June 2018

Faculty Development Program for the new faculty members of Delhi Pharmaceutical Sciences and Research University (DPSRU) was organized on 18th June 2018 to 22nd June 2018. The development programme included deliberations and training on the pedagogy, administration, use of ICT, research and entrepreneurship. Training on leadership, soft skills & personality developments was also given.

Hon'ble Vice-chancellor, Prof. Ramesh K. Goyal, DPSRU, Offg. Director DIPSAR, Prof. D.P. Pathak, Distinguished Professor DPSRU, Prof. S.K. Gupta discussed about the pedagogy, classroom teacher and research in Pharmaceutical Sciences. Dr. Madhu Gupta Coordinated the program. The resource persons present were Dr. G.N. Singh, Director cum Secretary, IPC, Ghaziabad & Former DCGI, New Delhi, Mr. Cyrus P. Mistry (Former chairman of Tata Group), Mr. Madhusudhan Nair (Director Arna Immuno Ingredients Pvt. Ltd.) Mr. Vasant, Prof. R.C. Deka, (Formerly Director AIIMS & Vice Chancellor AdtU, Guwahati), Ms. Abhilasha,

Dr. C.R. Patil (HOD& Professor, RC Patel, Institute of Pharmaceutical Education & Research, Shirpur), Mr. Prashant Gautam (Co-founder of Acadly and the Head of the Product, Technology and Design), Dr. Shri Dhar Dwivedi (National Heart Institute, New Delhi & BOG Chairman, DPSRU), Dr. Manish Diwan (Head-Strategic Partnership & Entrepreneurship Development, Birac, New Delhi), Dr. A.K. Agarwal, BOG Member, DPSRU, Mr. Sudhir Singh Verma, DCA, Dept. of Social Welfare, Delhi Mr. O.P. Bhati, A.O. DIPSAR, Mr. Ajay Puri, AAO, DIPSAR, Mr. R.P. Sharma, Consultant Admin, DPSRU.

In first day, Prof. S.K. Gupta the Chief Guest interacted with faculty members and discussed significance of teaching and research tool. A journey from DIPSAR to DPSRU was presented by Prof. D.P. Pathak. Prof. R. K. Goyal shared his experience as an academican and advised that students would be motivated with live example with respect to planning of lectures, research projects to students. An interesting discussion was held on conflicts on assigning priorities for a faculty for teaching research or administration.



After that a panel discussion was held with Mr. O.P. Bhati, Mr. Ajay Puri and Mr. R.P. Sharma who are actually involved in administration and purchase and accounts. Mr. Sudhir Singh Verma described how important is to understand general financial rules (GFR) in GNCT and also narrated about procurement through GEM, e-tendering as well as give various tips of administration. Mr. Vivek Mishra also shared his views on vigilance in administration and purchase and gave a training to follow GFR and vigilance.

Dr. G.N. Singh expressed his experiences with respect to regulatory frame work and its significance in research and teaching in University to be an ideal pharmacy teacher. An interactive discussion was held with Mr. Cyrus P. Mistry, Mr. Madhusudhan Nair, Mr. Vasant with faculty. Mr. Mistry shared his real-life experience and advised how to evolve as a successful personality and showed the hidden formula of success. Prof. Ramesh C. Deka discussed at length significance of understanding research methodology for getting research funding. Ms. Abhilasha delivered a vibrant presentation on the leadership, soft skills & personality developments and their relevance to pedagogy. Dr. Shridhar Dwivedi narrated about yoga especially for prevention of cardiovascular diseases.

Dr. C.R. Patil sensitized of Pharmacy Teachers as a part of advanced trends in pedagogy. Active learning stratagem using ICT Tool was deliberated by Mr. Prashant Gautam. He described very well the various Apps and tools such as screenomatic and others that may be used to improve the teaching and learning skill.

To focus on innovation in research and entrepreneurship, a presentation was given by Dr. Manish Diwan on the topic "Entrepreneurship: How important it is for Start-up". He discussed various funding agencies and schemes as well as concept of innovation research for affordable product development with clear view about BIRAC. Valedictory was held with Dr. A.K. Agarwal as the Chief Guest. A book was released "A Text Book of Practical Biochemistry" by dignitaries. The programme ended with detailed discussion with Dr. Arun K. Agarwal on the various aspects of the

university as well as the Faculty, update their research and pedagogical skills, with competencies of teaching and non-teaching staff, its status in research, as well as contribution towards scientific activities as well as various research activities going on in the university. The program was ended with a vote of thanks cast by Dr. Madhu Gupta, co-ordinator of this program.

DPSRU organized 1st National Physiotherapy Symposium on the theme "Recent Advancement in Physiotherapy" Sept. 2018

World Physiotherapy Day takes place every year on 8th September. The Day is an opportunity for physical therapists from all over the world to raise awareness about the crucial contribution the profession makes to keeping people well, mobile and independent. On occasion of World Physiotherapy day, School of Physiotherapy, Delhi Pharmaceutical Sciences and Research University organized Symposium on the theme "Recent Advancement in Physiotherapy" at 6th September, 2018 & Hands on Workshop on 7th September, 2018 by Dr. Rajiv Tonk (Organizing Secretary), Dr. Jyoti Kataria & Dr. Parul Sharma (Joint organizing Secretaries) & Executive co-ordinators (Dr. Shilpa Jian, Dr. Siddharth Sen & Dr. Varsha Chorsiya).

The symposium was inaugurated by Mr. Vivek Sehgal, Chief Guest; Mr. Ajay Dutt, Guest of Honour; Dr. (Prof) S.S Aggarwal, Founder & Ex-VC of DPSRU; Dr. (Prof) R.K. Goyal, Vice Chancellor (DPSRU); Dr. Narkeesh Arumugam, Head Physiotherapy (Punjabi University); Dr. (Prof) Raman Dang, Registrar (DPSRU); Dr. D.P Pathak, Director DIPSAR; Dr. (Prof) Harvinder Popli, Dean & Principal (DPSRU).

Chief Guest, Mr. Vivek Sehgal, Principal of PHD Chamber of Commerce and Industries, during his inaugural address emphasised on the role of Physiotherapist, Sports Physiotherapy and Neuro physiotherapy with special mention of requirement of Physiotherapy for geriatrics. He also mentioned the importance of moral science education.

Guest of Honour, Mr. Ajay Dutt, MLA, Ambedkar Nagar Constituency of AAP during his address assured the support of various government hospitals of New Delhi for School of Physiotherapy, DPSRU.



He also emphasised on the role of physiotherapist in the welfare of society.

Vice Chancellor, Dr. (Prof) Ramesh K. Goyal in his address emphasised on the profession of Physiotherapy and their role in healthcare practices. While delivering the talk he mentioned the importance of collaboration of School of Physiotherapy, DPSRU with the government hospitals for providing the best healthcare services to the society. In this regard made a request to Mr. Ajay Dutt.

In the inauguration ceremony, Prof. Harvinder Popli, Director DIIF with her team also announced the Health Hack 2.

The renowned Keynote speakers from Physiotherapy field - Dr. Harpreet Singh (AIIMS, New Delhi), Dr. Kavita Behal (Sub Editor, IJPOT Journal), Dr. Arun Mozi (Assoc. Prof. SBSPGI, Dehradun), Dr. Abha Sharma (H.O.D., Holy Family Hospital, New Delhi) & Dr. Narkeesh Arumugam (Professor, Punjabi University, Patiala) & Workshop by Well-known Resource Person Dr. Naveen Ganer on “Manual therapy of Lumbar spine “ on 6th & 7th September, 2018 respectively participated in this event all over the India.

The main objective of two days Symposium/ Workshop was to provide a professionally rewarding experience to all the delegates from the medical

fraternity in addition to socializing with colleagues from other institutions. This event was an excellent platform for various organizations to get updated information on key issues like Lumbo-sacral dysfunction, cardiopulmonary diseases or disorders and sports injuries. This event allowed delegates to have issues addressed on the specified topics by recognized experts who are up to date with the latest developments in their own field. The participants learned new manual therapeutic techniques by our renowned Resource person Dr. Naveen Ganer. He shared his expertise for the clinical examination of lumbosacral spine along with selective lumbopelvic manipulations through practical sessions. He taught latest mobilization techniques for treatment of lumbopelvic dysfunctions and back pain so that our delegates get more updates with the latest therapeutic maneuvers for the treatment of various joint dysfunctions and any pathology underlying the joint. The learning environment encourages delegates to exchange experiences, ideas and practice from their own fields.

Delhi Pharmaceutical Science and Research University Hosts “Train the Trainer” Program for Design Thinking Impact Week Workshop 2018 in Collaboration with Lufthansa

The Delhi Pharmaceutical Science and Research University (DPSRU) organized the “Train the Trainer” program as a part of Designing Thinking Impact

Week, in collaboration with reputed German Airline Lufthansa, on October 4 and 5, 2018. This was the first time when this prestigious program, anchored by Lufthansa, was organized in Asia.

The aim of this week-long workshop from October 4-11, 2018 was to instill a creative and critical thinking mindset in key stakeholders of the academic ecosystem and accelerate the run-rate of innovation. The workshop was divided into two phases:

Phase 1: Train the Trainer program where an International team of innovation experts enabled

University faculty to teach Design Thinking

Phase 2: A four-day workshop where 150+ students engaged in “Design Thinking Challenges” in diverse areas and developed solutions and business models. The coaches included those which were trained in Phase 1 of the program.

Forty-seven faculty members from Delhi Pharmaceutical Science and Research University (DPSRU), College of Business Studies and Ambedkar University were trained in Design Thinking methodology.



The Trainer workshop was inaugurated by Professor Samir Brahmachari, former Director General CSIR, who was the Chief Guest for this program, along with Guest of Honor, Mr. Vijay Kumar, Director, MSME Development Institute.

Speaking on this occasion Professor Ramesh K Goyal, Honorable Vice Chancellor, DPSRU, Professor Harvinder Popli, Dean DPSRU and Director, DPSRU Innovation and Incubation Foundation

DPSRU Organized Seminar on Neurotransmitter Transporters and their Impact

Delhi Pharmaceutical Sciences and Research University (DPSRU) organized a seminar for Post Graduate and Doctoral students on 28th December, 2018 on Neurotransmitter transporters and their impact. Dr. Ameya Kasture, from Department of Neurobiology, University of Vienna, Austria was invited to speak on “Understanding folding and

trafficking aspects of neurotransmitter transporters from a fly lens”. Around 200 delegates including students, research scholars and faculty from various institutions attended and participated in the seminar. The inauguration ceremony commenced with lighting of lamp by Chief Guest Dr. Ameya Kasture as well as other renowned dignitaries. Prof. Raman Dang Registrar DPSRU, Prof. D.P. Pathak Director, DIPSAR, Prof. S.K. Gupta Distinguished Professor and Dr. Madhu Gupta, OSD to VC Co-ordinator, DPSRU, Dr. Rajni Mathur, Co-ordinator welcomed the resource persons and delegates. Prof. Gupta addressed the gathering by emphasising the primary objective of national seminar and importance of neurotransmitter transporters.

The seminar was enriched with plenary lecture of Chief Guest Dr. Ameya Kasture on topic “Understanding folding and trafficking aspects



of neurotransmitter transporters from a fly lens". Prof. Gupta presented mementos to the guest and inaugural function ended with vote of thanks and concluded with national anthem with photo session.

WORKSHOP ON "Pharmacy Practice in Australia organized by DPSRU

A WORKSHOP ON "Pharmacy Practice in Australia: Opportunities for Indian Pharmacists" followed by interactive discussion on "One-year course in Australia for the practice of Assistant Pharmacist" was held during 11th Jan, 2019. The workshop was organized jointly by Delhi Pharmaceutical Sciences and Research University, New Delhi and Association of Pharmaceutical Teachers of India.



Total 300 delegates including UG/PG students, research scholars and faculty were presented. The

inauguration ceremony commenced with lighting of lamp by Chief Guest Dr. Kanan Shah, Pharmacy Guild of Australia as well as other renowned dignitaries. Prof. Ramesh K. Goyal, Hon'ble VC, DPSRU, Prof. Raman Dang Registrar DPSRU, Prof. D.P. Pathak Director, DIPSAR, Prof. Harvinder Popli Dean DPSRU welcomed the resource persons.

Aiming to provide an intense training and awareness on Pharmacy Practice in Australia at undergraduate level especially for Pharmacy Undergraduate students, a one-day workshop on "Pharmacy Practice in Australia: Opportunities for Indian Pharmacists" followed by interactive discussion on "One year course in Australia for the practice of Assistant Pharmacist to promote the maintaining quality use of medications and upholding the objectives of the National Medicines Policy with grasping the newer opportunity including vaccination, advanced practice, and possibly pharmacist prescribing, will further pharmacists' contribution to the health and wellbeing of the human being. These new service-oriented practice areas demonstrate a strong acknowledgment of the high-level clinical skills of pharmacists.

Speaking on the occasion, Prof. Ramesh K. Goyal, introduced the speaker and honoured her with bouquet and shawl and said that "With the learning, there is a strong need of unlearning, relearning how to achieve your goal in this highly

technological world. He also mentioned the options and opportunities for Indian Pharmacist. He felt that availability of all information at the click of the mouse for the students made the 21st century teaching a very challenging one.

Dr. Kanan Shah, delivered a lecture about the Pharmacy Practice in Australia and also emphasized the various options and Opportunities that are available for Indian Pharmacists. She discussed the complete procedure for becoming a registered pharmacist in Australia. Her talk was also focused on "One-year course in Australia for the practice of Assistant Pharmacist".

Dr. Madhu Gupta, OSD to VC, DPSRU and Dr. Rajiv Tonk, Associate Professor convened the event. Prof. Goyal presented mementos to the guest and inaugural function ended with vote of thanks by Prof. Raman Dang and some experienced shared by Prof. Harvinder Popli in front of students and lastly concluded with national anthem with photo session.

DPSRU organized workshop "A Hands-on Training cum workshop on Clinical Approaches of Proprioceptive Neuromuscular Facilitation Techniques"

Delhi Pharmaceutical Sciences and Research University (DPSRU) organized a workshop for physiotherapy students on On 29th-30th January, 2019, Organized By School Of Physiotherapy on A Hands on Training cum workshop on Clinical Approaches of Proprioceptive Neuromuscular Facilitation Techniques. The venue was the university board room in DPSRU, Delhi. Dr Harpreet Singh (PT) who is currently working as Senior Consultant Physiotherapist, Deptt of Neurology, AIIMS. The other dignitaries present were Prof. Ramesh K. Goyal, Dr Prof. Raman Dang, and Prof. Harvinder Popli, Dr. Rajiv Tonk Head, Department of Physiotherapy, and Dr. Shilpa Jain coordinated the programme.

The role of the Physiotherapy is incredibly important in day to day life. Now days, not a single wing of Health Care can be run without the help of Physiotherapy. The whole concept in our country about Physiotherapy is changing slowly

and people are getting more aware of it day by day. But Physiotherapy in its every field has reached to many advancements now for conventional ones to amalgam with other medical fields also, whether its clinical research or any industrial research. People in the field are trying to develop many advance techniques to make it reach at its top.



Dr. Harpreet Singh (PT) who is currently working as Senior Consultant Physiotherapist, Deptt. of Neurology, AIIMS who was the expertise and specialized in Neuro Physiotherapy and certified instructor for PNF (Proprioceptive Neuromuscular Facilitation) and NDT (Neuro Developmental Technique), was invited as resource person to teach and to give Hands-on Training about PNF Techniques which are used not only for patients with Neurological conditions but to increase coordination and precision in musculoskeletal and sports related conditions. Students enjoyed and learnt his teaching training method. It is again wished to have many more courses to be conducted like this in future.

DPSRU Organized ONE DAY WORKSHOP on "HANDS ON TRAINING ON MODERN HPLC WITH METHOD DEVELOPMENT AND VALIDATION"

Delhi Pharmaceutical Sciences and Research University, sponsored One Day Workshop on "HANDS ON TRAINING ON HPLC METHOD DEVELOPMENT AND VALIDATION". The Training was organized at Department of Medicinal Chemistry and Pharmaceutical Analysis on 6th March 2019.

40 registered delegates & Staff Member and Lab staffs from the different branches actively participated in this workshop.

The Inauguration was organized in Central Instrumentation laboratory, Department of Pharmaceutical Chemistry, DPSRU. The programme was started at 10.00 am. Prof. R.K Goyal Dr. Raman Dang and Dr. Harvinder Popli were the guests of the function. In this inauguration function Prof. Ramesh K. Goyal, Vice Chancellor DPSRU, New Delhi & Patron of the workshop inaugurated the program with welcome speech and sharing his experience on HPLC. Dr. Raman Dang, Registrar & Co-Patron of the workshop gave the brief overview of workshop. Dr. Harvinder Popli, Dean & Chairperson, workshop also addressed the participants about the importance and handling of HPLC. Inaugural function ended with the vote of thanks by Dr.J. Swaminathan, Convener, DPSRU.

The theory session started by Mr. Amit Sharma, Area manager, Spinco Biotech Pvt. Ltd., New Delhi, explained about the importance of HPLC method and its application in different fields from 11.00 am to 12.00 pm. "Theory, Basic Principle and Instrumentation of HPLC", "HPLC Trouble Shooting: Tips and Tricks" was given by Dr.Santhosh Bhardwaj, Asst. Manager, Shimadzu Analytical (India) Pvt Ltd from 12.00 am to 1.00 pm followed by one-hour lunch break. After lunch Mr.Neeraj, Service Engineer, Spinco Biotech Pvt. Ltd. given the live demonstration and Training on HPLC instrument in afternoon session. All the participants were divided into six batches for the hands-on training on HPLC instrument.

This session continued up to 5.00 pm. Finally, the training was ended with hightea.

At the end of the session, Valedictory function of the workshop was carried out at 5.30 pm onwards and certificates were distributed to all the 40 participants. The workshop ended with high tea.

The Program was organized by the Dr. J. Swaminathan, Convener, Dr. Jaseela Majeed, Co convener and Dr. Rajiv Kumar Tonk, Treasurer and Team members of Department of Medicinal chemistry, DPSRU, New Delhi.

Induction Workshop on "Public Engagement on Health in India" –A research Project in collaboration with IIT Delhi

On 15th March, 2019, Friday, An Induction Workshop for the Research Project was organized at Board Room, Delhi Pharmaceutical Sciences and Research University (DPSRU). The event commenced with welcoming the Guests for the event, Hon'ble Board of Governors Prof. R.C. Deka and Prof. A.K. Agrawal, Hon'ble Vice Chancellor Prof. Ramesh K. Goyal who is also the principal consultant for the research project, Registrar, Prof. Raman Dang, Dean Prof. Harvinder Popli and team from IIT Delhi Prof. Amit Mehndiratta, Charru Hasti and Swati Kaushik. The lamp lightening ceremony was done to invoke the blessings of Goddess Saraswati and Lord Ganesha before the inauguration of the project.

The formal welcome address was made by Dr. Rajiv Tonk, Co-Consultant for the project followed by addresses from the dignitaries. All the guests and the dignitaries were happy to learn the basic idea of this project and appreciated the involvement of the youth as a core in it. The need for the hour in connection with the health and wellness of the youth were the major focus of all addresses. All the coordinators from different colleges, universities and hospital were felicitated with small gifts major attraction being the customized badge for the project. A short presentation comprising of the major details was presented by Dr. Arbuda Sharma and Dr. Rajiv K. Tonk, Co-Consultants for the study which was further continued by Prof. Amit Mehndiratta and Charru Hasti. The presentation gave a clear insight of the project and the methodology involved therein. In line with the programme, the oath ceremony was conducted for the Research Volunteers with a short introduction and felicitation of team SAARAS, a group of 4 students from different courses at DPSRU, with tablets which will be provided to the volunteers for undertaking the sampling. "SAARAS" - The core team, has Amit Sharma (1st year, MBA, DPSRU), Ankita Gaur (2nd Year, B.Pharm, SPS, DPSRU), Satnam Kinger (1st Year, MBA, DPSRU) and Shubham Chaurasia (1st Year, MHM, DPSRU). Vote of Thanks was given by Dr. Arbuda Sharma followed by National Anthem and High Tea. The event was a great success and appreciated by everyone.

First Management Forum at DPSRU, New Delhi

Delhi Pharmaceutical Sciences & Research University (the first Pharmacy University in India) organized the first management forum on the theme 'Emerging Dimensions in Hospital Healthcare System' in its campus on 4th April 2019. This event was organized under the inspirational leadership of Prof. Dr. Harvinder Popli, Dean, DPSRU under the guidance of Prof. Ramesh Goyal, Vice Chancellor of DPSRU, New Delhi.



Prof. Ramesh Goyal, shared vision of DPSRU to align with future technologies of Healthcare delivery systems. Prof Harvinder Popli shared the objective of the forum is to disseminate and cultivate 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 management forum saw engaging sessions by the eminent leaders in the field of hospital healthcare systems. in various areas of hospital healthcare system. Battery of eminent speakers shared their experiences on the varied topics such as quality assurance, patient safety, affordable healthcare, leadership & administration, telemedicine, patient data management, communication in healthcare amongst others.

The chief guest to honour the event was Dr Shridhar Dwivedi, Senior Consultant, National Heart Institute with the guest of honour gracing the occasion, Dr Pawan Kumar, Additional Director (SHIB & CME), Directorate General health Services (DGHS), Government of NCT of Delhi.

Dr. Neelam Sethi, Director, Delhi Heart & Lung Institute emphasized on the impact of communication on healthcare; Prof. Dr. Ashok K. Agarwal, Former Director, School of Health Sciences, IGNOU enlightened the 130 plus audience on quality assurance & patient safety in hospitals. Dr. Vijay Agarwal, Advisor, Max Healthcare (Quality & Business Excellence) covered the challenges & opportunities in healthcare systems & the role of public & private healthcare providers to meet the healthcare needs in India.



Different aspects of health financing & insurance in India, were dealt in details in the session by Dr. Anoop K. Daga, Associate Professor, Deptt. Of Hospital Administration, AIIMS. The program ended with the talk of the special guest for the valedictory function, Dr. Siddhartha Bhattacharya, Secretary General, NatHealth.

The program had the participation of 130 plus students of Masters in Hospital Management, Masters in Public Health & MBA (Pharmaceutical Management) from DPSRU, DIPSAR, Jamia Hamdard, ITL College of Pharmacy, PDM college of Pharmacy amongst others.

The event was made more interesting for the students with the poster presentation by student teams.

The participants enjoyed the engaging talks & discussions by the renowned speakers who are the torch bearers in the field of hospital healthcare systems. This successful event has indeed paved way for more such management forums in the field of healthcare in the near future.

PG ORIENTATION PROGRAMME-2018

Delhi pharmaceutical sciences and research university organized an orientation programme for the newly admitted Post graduate pharmacy students at the university premises on 8th August 2018. The major objective of the programme was to make the students aware of the academic aspects of the course, the rules and regulations of the Institute and ensuring parental participation in monitoring the performance and progress of the students.

The programme was inaugurated with the lightening of the lamp by the Chief Guest, Shri. Devinder Singh, IAS, Secretary, DTTE, New Delhi, Dr, O P Shukla, Joint Secretary, DTTE, Prof. Ramesh. K. Goyal, Vice-chancellor of the university, Prof. Raman Dang, Registrar, Prof. D P Pathak, Director, DIPSAR and Prof Popli, Dean DPSRU and other dignitaries.

In his brief address to the students Shri Devinder Singh, motivated the students regarding their role and future in the pharmaceutical sciences also spoke about the development of the university

from institution. He stressed the importance of proper planning as PG students before taking up and implementing any project.



While delivering a speech on this occasion the Vice-chancellor of the university Prof Ramesh Kumar Goyal expressed delight over the fact that University is growing day by day using multidisciplinary approach. He stressed clean and transparent approach to the administration for smooth functioning of the university. He also discussed about the DIIF where student can open new company and other different opportunities available in the university

Registrar of the University Prof. Raman Dang briefed the students about the rules and regulations of the institute and motivated the students to be regular and sincere towards studies and profession.

Prof. D.P. Pathak, Director, Delhi Institute of pharmaceutical Sciences & Research (DIPSAR) briefed about the pharmacy profession as well as the different branches of pharmaceutical sciences like Pharmaceutics, Pharmacology, Pharmaceutical chemistry, Pharmacognosy, quality assurance, clinical trials etc.

Prof. Harvinder Popli, Offg Dean, and director DIIF informed the students about various possibilities regarding career in Pharmacy. She also briefed students about the E-cell and DIIF. A formal vote of thanks was proposed by Dr. Sushma Talegaonkar, coordinator of this program.

UG ORIENTATION PROGRAMME -2018

Delhi Pharmaceutical Sciences and Research University (DPSRU) organized an orientation programme for the newly admitted pharmacy (B.Pharm. and D.Pharm.) & Physiotherapy students at the University premises on 30th July 2018. The major objective of the programme was to make the students aware of the academic aspects of the course, the rules and regulations of the Institute and ensuring parental participation in monitoring the performance and progress of the students.

The programme was inaugurated with the lighting of the lamp by the Chief Guest, Shri. Virendra Kumar, IAS, Director, Directorate of Training & Technical Education (DTTE), New Delhi, Prof. Ramesh K. Goyal, Vice-Chancellor of the University and other dignitaries.

Shri. Virendra Kumar, while delivering his speech on this occasion motivated the students regarding their role and future in the pharmaceutical sciences and physiotherapy and other healthcare professions. He stressed the importance of dedication to one's profession and the need to have proper planning before taking up and implementing any project.

In his brief address to the students, the Vice-chancellor of the University, Prof. Ramesh. K. Goyal expressed delight over the fact that University is growing day by day using multidisciplinary approach. He stressed clean and transparent approach to the administration for smooth functioning of the university. He also discussed about NAPS, Swayam and MOOCs programme and informed that University is planning to start PG diploma and degree courses in Biopharmaceuticals and biosimilars as well as some certificate courses for the students of degree and diploma courses via choice-based system.



Prof. Raman Dang, Registrar of the University briefed the students about the rules and regulations of the institute and motivated the students to be regular and sincere towards studies and profession.

Prof. D.P. Pathak, Director, Delhi Institute of pharmaceutical Sciences & Research (DIPSAR) briefed about the pharmacy profession as well as the different branches of pharmaceutical sciences like Pharmaceutics, Pharmacology, Pharmaceutical chemistry, Pharmacognosy, quality assurance, clinical trials etc.

Prof. Harvinder Popli, Offg Dean, and director DIIF informed the students about various possibilities regarding career in Pharmacy and physiotherapy. She also briefed students about the E-cell and DIIF.

Dr. Rajiv Tonk Associate professor gave a brief overview of various co-curricular activities of University. The program was coordinated by Dr Jaseela Majeed and Dr. Ajit Kumar Thakur. The vote of thanks was proposed by Dr. Jaseela Majeed and the program was compered by Dr. Parul Sharma.

ORIENTATION PROGRAMME FOR WORLD CLASS SKILL CENTRE (WCSC)

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. Orientation Programme for WCSC students was organized by Delhi Pharmaceutical Sciences and Research University, on 29th April 2019.

The program started with lamp lightening ceremony by the esteemed dignitaries of the University, followed by welcome address by Prof. Harvinder Popli, Officiating Registrar & Dean, and DPSRU. Prof. Ramesh K. Goyal, Hon'ble Vice Chancellor, DPSRU gave the presidential address to the students and shared his vision for the university.

The session was continued with the brief introduction about the course by Sports



Digitalization and Performance Management coordinator Mr. Anshul Bagai. Followed by the brief introduction and scope of cosmetics in market by Offg. Chief Operating Officer and Beauty and Wellness consultant coordinator, Dr. Madhu Gupta.

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.

FIRST CONVOCATION 2018

The 1st Annual convocation of DPSRU was organized on 18th October, 2018 in DPSRU. The Hon'ble Chancellor Sh. Anil Baijal, Lieutenant Governor of NCT of Delhi conferred the degrees to M. Pharm., MBA (Pharmaceutical Management) MPH and MHM students of 2015-17 & 2016-18 Batch during

the convocation. Prof. Chandrakant Kokate, former President, Pharmacy Council of India graced the occasion as the Chief guest.

Academic procession included Registrar, The Chancellor, The Chief Guest, The Vice Chancellor, The Chairman Board of Governors, Members of Board of General Council, Members of Board of Governors, Dean, Director, Members of Academic Council and Faculty members of the university. A total of 82 students including 67 M. Pharm. in 7 disciplines, 07 in MBA (Pharm. Management), 03 in Master in Public Health, 05 in Master in Hospital Management received the degrees.

Sh. Anil Baijal and chief guest, Prof. C.K Kokate awarded the Gold Medals, which included The Jindal Gold Medal to Ms. Rashi Patel (2015-17 Batch) and Ms. Jyoti (2016-18 Batch) and Prof. S.K Gupta award to Mr. Amit Bansal (2015-17 Batch) and Ms. Jyoti (2016-18 Batch).



Prof. Ramesh K. Goyal, Vice Chancellor, DPSRU welcomed Sh. Anil Baijal, Hon'ble Chancellor and Prof. Kokate, Chief Guest and presented accomplishments of the university during the convocation.

Sh. Anil Baijal, in his Presidential address appreciated the efforts of DPSRU in expanding courses and intake capacity from 500 to 1700 in the span of three years. He also congratulated the students, who had achieved degrees. Prof. C.K Kokate gave the convocation address and motivated the students. At the end, Prof. Raman Dang, Registrar of the University proposed vote of Thanks.

DPSRU PHYSIOTHERAPY SCHOOL ORGANIZED FINISHING SCHOOL PROGRAM

A finishing school for students emphasizes training in all round personality development, cultural and social activities. Specific skill sets may be imparted as value addition and is intended to complete the educational experience of any child. First finishing physiotherapy school programme was organized by school of Physiotherapy of Delhi Pharmaceutical

Sciences and Research University, Board room on 9th April 2019 for final year BPT students.

The programme started with lamp lightening ceremony by the esteemed guests and dignitaries of the college; followed by welcome address by Dr. Rajiv Tonk, (HOD), School of Physiotherapy, DPSRU and felicitation of the guests and dignitaries with a plant and a bouquet for their eminent presence. Prof. RK Goyal, Vice Chancellor, DPSRU was called for the presidential address to the students and the guests followed by wishes by Prof. Harvinder Popli, Principal and Dean, DPSRU. Dr. Arun Kumar Aggarwal, president of DCPTOT and the chief guest of the programme enlightened the students and faculty with his words of wisdom and best wishes for the programme.

The programme was commenced by special lecture by Dr. Kenjom Ngomdir, on the topic "On field emergencies, responsibilities and independent physiotherapy practice- When, How and Where?" that thrilled the students with the knowledge and experience about most recent practical knowledge and other important clinical aspects.

The session was started after the tea break with expert talk by Prof. Arun Kumar Aggarwal, president of DCPTOT, New Delhi on the topic “Challenges in Physiotherapy Practice”. It was followed by another

special talk by Dr. Kanupriya on “Emerging Scopes in Physiotherapy: A journey towards a celebrity therapist”. After the really motivational talk, guests, dignitaries and students moved for lunch.



The programme was again started after lunch with a special lecture by Dr. Mayank Jain on the topic “Universal Health Care and Working Abroad: Not a Dream Anymore”. The talk was followed by a special lecture by Prof. R.K. Goyal on the topic “Clinical Aspects of Skeletal Muscle Relaxants and Anti-Inflammatory Drugs”. The very knowledgeable, brainstorming lecture was followed by a query session for the students where they asked doubts about practicing in abroad. At the end of the

session, certificates of participation were given to the students. The programme ended with a vote of thanks by Dr. Shilpa Jain, the programme coordinator followed by National anthem.

DPSRU ORGANIZED FINISHING SCHOOL OF THE POST GRADUATE STUDENTS

A finishing school for students emphasizes training in all round personality development including domain skills and soft skills. Specific skill sets may



be imparted as value addition and is intended to complete the educational experience of any student. First Finishing School of Post Graduate Students was organized by Delhi Pharmaceutical Sciences and Research University, on 22nd April 2019.

The programme started with lamp lightening ceremony by the esteemed guests and dignitaries of the college, followed by welcome address by Prof. Harvinder Popli, Dean, School of Pharmaceutical Sciences, DPSRU and felicitation of the guests and dignitaries with a plant and a bouquet for their eminent presence. Prof. Ramesh K. Goyal, Hon'ble Vice Chancellor, DPSRU gave the presidential address to the students and shared his vision for the university. Prof. Raman Dang, Registrar, DPSRU discussed about concept of finishing school. Dr. Shridhar Dwivedi, Sr. Consultant, NHI & Chairman, BOG, DPSRU and the chief guest of the programme enlightened the students and faculty with his words of wisdom and best wishes for the programme.

The programme commenced with special lecture by Dr. Dwivedi on the topic 'Hopes and Expectations from Pharmacy Fraternity in Hospital' followed by lecture of Dr. Vikram Munshi, Founder & Consultant White Space Consulting, on the topic 'Building a Career in Pharmaceutical Industry; Experiences & Learning' that added the knowledge to the students.

The session was continued with the expert talk by Dr. Ashwini Kumar, CEO, Clinixperts on topic 'Recent changes in Regulatory Laws in India and its impact on Healthcare'

The programme included expert talk on 'Intellectual Property Rights' by Mr. Sandeep Aggarwal. It was followed by interactive sessions on topics 'Transitioning from Campus to World of Opportunities' by Ms. Meenakshi Khera, HR Professional and 'Opportunity Sighting and Revenue Generation' by Mr. Vikas Rajput, Director Parallel Living Research and Consulting

The very knowledgeable, brainstorming lectures were followed by a query session for the students where they asked doubts about career opportunities and skills required for the same. At the end of the session, certificates of participation were given to the students. The programme ended with a vote

of thanks by Dr. Geeta Aggarwal, the programme coordinator followed by National anthem.

INDUSTRIAL VISIT TO COLORCON ASIA, NOIDA

Delhi Pharmaceutical Sciences and Research University organized an industrial visit for the students of M.Pharm (Industrial Pharmacy & Cosmoceutics) & Pre-Ph.D. on 29.03.2019 to Colorcon Asia Ltd Noida. The purpose of organizing this visit was to familiarize our students with the industrial set up and different coating materials & Coating process of tablet from practical point of view.



The visit started with a formal introduction & brief view of company with the technical staff members. The schedule was divided into two sessions. In the first session the students were taught theoretical aspect of coating through power point presentations on different types of coating materials, types of coating, equipment required and troubleshooting during coating given by Mr. Atul Auluck and Mr. Amit Joshi. In the second session the students were divided into two groups and they visited different coating sections and were given hands on training on film coating and enteric coating. 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 our students to correlate their theory aspects with practical application in coating. At the end quiz competition was conducted based on the theory and training session and prizes were given to top three students. The first prize was awarded to Mansi Gupta, M.Pharm 2nd semester, Industrial Pharmacy, 2nd prize to Deepshika, 2nd semester, Cosmeceutics; 3rd prize to a Pre-PhD student. The visit was coordinated and supervised by Dr. Sushama Talegaonkar. The students were very happy and felt enriched after visiting this pharma coating plant.

DABUR RESERAH FOUNDATION VISIT

In order to equip the students of M.Pharm 1st, 2nd year and PhD Students of Pharmacognosy & Phytochemistry with the latest industry trends and best manufacturing and Good laboratory practices, the Pharmacognosy department, DPSRU organized its 1st ever industrial visit to Dabur Research Foundation, Sahibabad, Ghaziabad.

Dabur Research Foundation (DRF) is an Indian Contract Research Organization offering preclinical services in drug studies. They offer preclinical services to global Biotech, Pharma phytopharmaceutical and Cosmeceuticals.

Total 16 research scholars from M.Pharm and PhD visited the industry with Dr. Mahaveer Dhobi (Assistant Professor), Pharmacognosy and Phytochemistry. Dr. Kriti Soni, Head formulation department took us around the different departments of the organization. During our visit, we visited departments like DMPK department, which is well equipped with the latest models of HPLC and LC-MS. Formulation department well equipped with the upgraded machinery like Blender, Lyophilizer, Tablet punching machine, Capsule filling machine, Spray drying machine, Sachet filling machine, Ointment preparation machine, Granule sprayer dryer, Sonicator bath, Capsule dissolution machine, Tablet disintegrator, Tablet friability tester, PH meter and HPLC instrument. They mainly prepare herbal nutraceuticals, multivitamins and energy preparations.



We also got a chance to visit the Pharmacology and Toxicology division where we met Dr. Kamaraj Mani, Head Pharmacology department. He gave us a small presentation on the work being carried out at his department which included Carrageenan-induced paw oedema, FCA induced Rheumatoid arthritis, MIA-induced arthritis and Psoriasis, Cardiovascular diseases, Anti-diabetic, Hypolipidemia to name some. We also visited the animal in-house facility at Dabur which was well equipped and well maintained.

The industrial visit served its purpose well and was very informative to the students. The various queries of the students were well addressed by the officials.

Industrial Visit by Students

Industrial visit is considered as one of the tactical methods of teaching. The main reason behind this- it lets student to know things practically through interaction, working methods and employment practices. Moreover, it gives exposure from academic point of view. Main aim industrial visit is to provide an exposure to students about practical working environment. They also provide students a good opportunity to gain full awareness about industrial practices. Through industrial visit students get awareness about new technologies. Technology development is a main factor, about which a students should have a good knowledge. Visiting different companies actually help students to build a good relationship with those companies. To build relationship with companies always help to gain a good job in future. After visiting an industry, students gain a combined knowledge about both theory and practical. The tour was co-ordinated by

Dr. Rajiv Kumar Tonk, Dr. Priyanka Sonam and Mr. Shivjee Pandey.



ACADEMIA & INDUSTRY COLLABORATION TO INNOVATE NOVEL FORMULATIONS ON 14TH SEPT. 2018

Delhi Pharmaceutical Sciences & Research University, New Delhi (DPSRU), first Pharmacy University of India, has signed a Memorandum of Understanding for collaboration with Alniche Life sciences, a pharmaceutical company headquartered in New Delhi to develop innovative formulations in the field of Nephrology & Critical care on 14th Sept. 2018.



Alniche recognizes the leading role of DPSRU in the field of postgraduate education & research and DPSRU appreciates the Social commitment and Professional obligation of Alniche to promote pharmacy education and enlarge the scope of research application by collaborating with the academic institutions. Commenting on the collaboration, Professor R K Goyal, Vice Chancellor of DPSRU said that “The University believes that partnering with industry is the best way to give practical shape to innovative ideas”. Mr. Girish Arora, Founder & Managing Director of Alniche Life sciences shared that “Academia can play

an important role in innovating novel products specifically required by Indian masses”.

Professor Harvinder Popli (Dean), Principal investigator for this project stated that under this collaboration, both the partners will work together for three broad areas Formulation & Development, Concept to Creation and Analysis & Standardisation of differentiated novel Pharmaceuticals

Professor Raman Dang (Registrar), Dr Geeta Aggarwal and Ms. Ritu Hasija (Director Corporate, Alniche) played a pivotal role in establishing this collaboration. Dr. Madhu gupta, Dr. Rajiv K. Tonk, Dr. Shilpa Jain, Dr. Jaseela, Dr. Mahaveer, Dr. Ajit K. Thakur, Dr. Sushma and Dr. Parul Sharma are also joined and shared their experience about research aspects particularly in this area.

Along with this collaboration, Alniche also instituted two awards (Jwalat & Vijayin) to recognise the young researchers & new start-ups at DPSRU innovation and Incubation Foundation (DIIF) to bring new products, concepts & technologies to the Indian market.

Visit to World’s First Pharmacy University by Dr. Mahaveer Dhobi, DPSR University, New Delhi

Dr. Mahaveer Dhobi visited World’s First Pharmacy University, China Pharmaceutical University (CPU), Nanjing, China. He met Prof. Ling-Yi Kong, Vice President, CPU. Prof. Kong has extended the invitation to Hon. Vice Chancellor Prof. Ramesh Goyal, DPSRU for guest lecture and have the MoU for collaboration with First Pharmacy University of India, DPSRU.

Dr. Mahaveer Dhobi, also participated in the “4th Hunan International Forum on Biomedicine and TCM” as the invited speaker. The conference was attended by delegates from different countries like India, China, USA, Canada, Thailand, Pakistan, Philippines, and Cambodia etc. with 25 invited expert lectures and about 100 presentations by the scientists and scholars.

A MoU was also signed during the conference between DPSR University, India and Hunan University of Chinese Medicine, Changsha, China.



DPSR University signed MoU with AL-HAWASH University

A memorandum of Understanding (MoU) was signed between Delhi Pharmaceutical Sciences and Research University (DPSRU) and Al-Hawash University (Syria Arab Republic) on 26th February 2019 by Prof. Raman Dang, Registrar, DPSRU and Prof. Malek Ali, President Al-Hawash University in the presence of Prof. Ramesh K. Goyal, Vice Chancellor, DPSRU. The purpose of this MoU was, to jointly develop a research centre of excellence in the areas of Herbal research, clinical research and nanotechnology field with good standards and values.



The programme at DPSRU was coordinated by Dr. Madhu Gupta. On this occasion Prof. Malek Ali, President envisioned her thoughts, experience and facts of research areas, interdisciplinary research with full commitment to the achievement and maintenance of excellence in education, research and healthcare for the benefit of humanity. This MoU will provide benefits to students and faculty through multi-dimensional programmes by the experienced faculty coupled with latest tools and techniques especially in the field of nanotechnology and cosmetic science.

MEMORANDUM OF UNDERSTANDING WITH COGNITREX

Delhi Pharmaceutical Sciences & Research University signed MoU with Cognitrex Consultants Pvt. Ltd, Gurgaon on 5th February, 2019. Cognitrex is Healthcare Market Research and Business Intelligence Company with focus on health care and related segments such as Pharmaceuticals, Medical Devices, Medical Equipment, Diagnostics etc.



This MoU was signed by Prof. Raman Dang, Registrar of the university and Mr. Manas Ranjan, MD of the company in the presence of Hon'ble Vice Chancellor, Prof. Ramesh K. Goyal to establish collaboration between Cognitrex and DPSRU for academic interaction, for conducting research in the specified fields and to share the facilities and expertise available with each of them. During this MoU, Dr. Geeta Aggarwal was appointed as Principal investigator along with Prof. Harvinder Popli and Prof. Ramesh K. Goyal to lead the projects in the areas of Pharmaceuticals and Medical Devices.

DPSRU organized MOU Signing Ceremony between 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 innovations are step by step moving in the direction of their success under the inspiring guidance of Prof. Ramesh K. Goyal, Vice Chancellor and leadership of Prof. Dr. Harvinder



Popli, Director DIIF & Dean DPSRU.

In order to strengthen the innovation pipeline, have interdisciplinary approach & meet the technical specifications of the prosthetic limbs innovative product, an MOU was signed between DIIF, IIT Delhi, Rotary Club Delhi Central (RTDC) and Rotary Divyang Kendra (RDK). The type 1 prosthetic limb has been designed & tested by the incubate along

with the collaborations from RDK. However further modifications & technicalities will necessitate collaboration with suitable partner.

IIT Delhi provided the perfect avenue for partnership under the leadership of Professor Naresh Bhatnagar, IIT Delhi. The MOU was signed by the honorable Vice Chancellor DPSRU Prof. Ramesh K. Goyal, Prof. Dr. Harvinder Popli, Director DIIF & Officiating



Registrar & Dean DPSRU, Prof. Naresh Bhatnagar, IIT Delhi, Mr Sunil Jain, President Rotary Club, Delhi Central & Mr Rakesh Jain, President Rotary Divyang Kendra. Mr Kuljit Singh Popli, President Elect of the

Rotary Club Delhi Central also graced the occasion & partnered to take this partnership forward for the cause of beneficiaries of this collaboration. The young incubate Mr Jitin Kumar, who is working

tirelessly to create this product for the Divyang people made an impressive product presentation to the esteemed gathering.

The second MOU that was signed on 27th May 2019 day was the collaborative effort to provide exceptional leadership, mentoring & funding enablement through the strength of PHD Chamber. This MOU was signed to enable the incubates experience & gain through the wide network of businesses under the aegis of PHD Chamber. The MOU was signed by the Secretary General of PHD Chamber on 27th May 2019 & was then endorsed by Mr Sanjay Agarwal, Vice President, PHD Chamber & Dr Jitender Singh, Director, Start-ups at the PHD Chamber. The able leadership & the guidance of

Prof. Ramesh K. Goyal, Vice chancellor, DPSRU & Prof. Dr. Harvinder Popli, Director DIIF & Dean & Officiating Registrar, DPSRU made this collaboration possible for team DIIF.

Mr Sanjay Agarwal, Vice President, PHD Chamber shared various benefits of this promising collaboration between DIIF & PHD Chamber & how this partnership will benefit the young entrepreneurs & make them future ready to step into the market with their products.

These collaborations mark the first step to reach bigger heights for DIIF & would lead to the fulfillment of aspirations of DPSRU & DIIF to create a world class innovation & incubation centre in the field of healthcare, pharmaceuticals & wellness.



Exploration of Erstwhile Biodiversity of Andaman & Nicobar Islands by Delhi Pharmaceutical Sciences and Research University

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 Delhi Shri Anil Baijal, a research team from Delhi Pharmaceutical Sciences

and Research University (DPSRU), Govt of NCT of Delhi headed by Hon’ble Vice Chancellor Prof. Ramesh Goyal and two faculties Dr. Mahaveer Dhobi and Dr. Jaseela Majeed visited Andaman and Nicobar Islands from 14-16th April 2019 to explore the unique biodiversity and to develop collaborations with the pioneer research organizations in Andaman & Nicobar Islands. The official meeting of the exploratory visit was held at

Andaman and Nicobar Tribal Research and Training Institute (ANTRI), Haddo, Port Blair on 15.04.19 wherein Directors/their representatives from 5 research organizations who are working in the area related to medicinal plants as well as tribal research like Regional Medical Research Centre, (RMRC:ICMR); Andaman and Nicobar Regional Centre, Botanical Survey of India (ANRC:BSI), Central Islands Agricultural Research Institute, Indian Council of Agricultural Research (CIARI:ICAR); The Regional Research Centre of Ayurveda, (RRCA:CCRAS) and Andaman and Nicobar Regional Centre, Zoological Survey of India (ANRC:ZSI) attended, interacted and shared their experiences about the unique and precious tribal knowledge. The meeting was chaired by Prof. Ramesh Goyal, who gave a presentation on the topic “Development of Novel drug formulations exploring the biodiversity of Andaman & Nicobar Islands through biomarker based multidisciplinary approach”. The interactive session was attended by Dr. Vijayachari Paluru, Director, RMRC:ICMR, Dr.A. Kundu, Director, CIARI:ICAR, Mr. S. A. Awaradi,

Director, ANTRI, Mr. Govind Ram, Director, Tribal Welfare Department and research officers and scientists from BSI, RRCA, ZSI and faculties of DPSRU. Post meeting the team agreed to formulate a work plan for drug/product development utilizing the unique biodiversity of Andaman and Nicobar Islands using Phyto-pharmaceutical mode. On 16.04.19 DPSRU team along with Mr. S. A. Awaradi, Director, ANTRI visited the institutions like CIARI:ICAR, RMRC:ICMR and ANRC:BSI for knowing the thrust areas of research and heading for collaborations. The landmark of the exploratory visit was the meeting with Hon’ble Chief Secretary of Andaman and Nicobar Administration Shri. Chetan B. Sanghi, IAS where full support was extended to the University for research collaboration. It was a fruitful interaction where permission to have memorandum of understanding with Andaman Nicobar Tribal research & training Institute (ANTRI) and Central Islands Agricultural Research Institute (CIARI) so that the implementation of the research proposal can be done on fast pace.



DPSRU Innovation and Incubation Foundation (DIIF)

(Prof. Harvinder Popli)

Startup India is a Government of India initiative intended to nurture innovation and start-up ventures for sustainable economic growth and employment opportunities. Academia is an integral part of promoting innovation in any society and DPSRU is at the forefront of fostering a culture of innovation in pharmaceutical and healthcare sciences. DPSRU Innovation and Incubation Foundation (DIIF) is one such initiative established to bring together the Students, Faculty, Alumni and Industry Association and build a strong ecosystem for mentoring and encouraging entrepreneurship in the University. DIIF aims to provide mentorship, industrial collaboration, administrative and infrastructure facilities at the university campus for providing the right context and navigation to the budding entrepreneurs in their journey of transforming unique ideas into social and industrial applications.

Startup India is a Government of India flagship initiative to build Startups and nurture innovation. Through this initiative, the Government plans to empower Startup ventures to boost entrepreneurship, economic growth and employment across India. Startup India is about creating prosperity in India. Many enterprising people who dream of starting their own business lack the resources to do so. As a result, their ideas, talent and capabilities remain untapped - and the country loses out on wealth creation, economic growth and employment.

Startup India will help boost entrepreneurship and economic development - by ensuring that people who have the potential to innovate and start their own business are encouraged - with proactive support and incentives-at multiple levels.

DIIF strives to provide opportunity and platform to innovative minds and give right direction to channelize their efforts to succeed further with their business ideas. The lags in Indian ecosystem believe

the great objectives of Startup India, these include, India's low ranking in 'ease of doing business', Lack of Incubation and startup/seed money to build business in initial phase, Lack of infrastructure for new business ventures, IPR issues and costs and lack of mentorship and industrial exposure of the graduates and post-graduates. Keeping this in view the DIIF has been designed to address these issues to promote Startups.

VISION: Create DIIF as an internationally recognized prestigious Indian Incubation Center in Healthcare, Pharma and Wellness sector.

MISSION: Establish an ecosystem of Startups that is diverse, dense and has momentum.

Objectives

- Leverage the demographic dividend of youthful India to spur greater innovation led startups for generating more value to the society and economy while boosting global fame of resurgent India by creating globally competitive products and services while co-creating (with helpful government and private support/ angel agencies) extensive gainful job opportunities and exciting career growth opportunities for everyone to sustain long term attractiveness of the planned start-up-success culture in NCT Delhi.
- Create a culture of entrepreneurship, start-ups and Intellectual Property creation that can lead to value creation, jobs and employment and do social and economic good.
- Facilitate creation of incubation center that offer incubation infrastructure - space, computing resources, connectivity, common tools; and environment for co-working, collaboration and innovation.
- Recommend administrative structure for establishing and operating incubators and linking

them with other states' incubation centers for sharing of mutually beneficial data, strategies and contacts.

- Recommend alliances for incubators with experts from technology, marketing, financing domains linked so that start-ups can be guided.
- Recommend a road map for incubation centers to evolve to accelerators and self-sufficient entities over a 5-10-year period.

Overview of ongoing Activities

I. Infrastructure Development

- Space at 2nd& 5thFloor
- Workstations are built up with computers and internet facilities
- Meeting room with Teleconference facility to be created soon
- Seminar/Lecture Room is ready
- PSS and another Lab to be established soon

II. Administrative Set up

- Board of Directors
- CEO Vacant
- Manager Operations/Admn.
- Supporting Staff

III. Pool of Resources - We have a very active pool of mentors and advisors from distinct fields like Industry, Regulatory Affairs, IP Experts, Academia and Financial consultants (CA etc.), which is available on our website.

IV. Motivational Plan

Awareness Campaign- Organizing various events including workshops/Seminars/Interactive sessions focuses on innovation commercialization and entrepreneurship and mega events like Healthcare Hackathon & Boot camps etc.

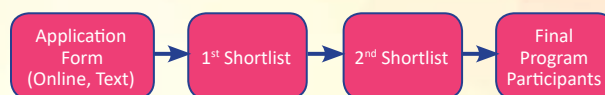
Establishment of Entrepreneurship Cell (E. Cell)- DIIF has established an Entrepreneurship Cell with an objective to act as an institutional mechanism for providing various services including information to budding student entrepreneurs & to create Entrepreneurial culture at the institute.

First Healthcare Hackathon – “Health Hack”- Health Hack is a platform where young innovators come together and create projects / innovations to solve health care issues in a short span of time.

The main objective of organizing the Health Hack was to promote innovation with an aim to create solutions to medical problems and barriers and boost in Healthcare sector through Technology Transfer and focus on High value production to provide world class affordable, acceptable and accessible health care products.

DIIF received overall 203 applications initially out of which 51 proposals were received and after screening 17 proposals were short listed and finally 7 proposals were selected for seed funding.

V. Startup Selection and Support:



Eligibility

- The incubation center is accessible to:
- Current students
- Alumni
- Faculty/Staff including retired

Collaborations: Along the journey, DIIF has collaborated with few reputed organizations like The Indes Entrepreneurs (TiE), C.L. Educate Ltd. and Indian Pharma Association (IPA), MSME, Ph.D. Chamber, Innovations Council, Creations under the Aegis of MHRD International exploration to improve entrepreneurship and start-up ecosystem to assist innovators, researchers and entrepreneurship aspirants in the university.

Academia: Modules on entrepreneurship and IPR and Patents have been included in the courses like B. Pharmacy, M. Pharmacy and Pre Ph.D to inculcate the culture of Entrepreneurship, Start-ups and Intellectual Property Creation in students, teachers and alumni.

Incubatees: At present DIIF have 15 Incubatees out of which 14 incubatees have been disbursed the seed funds of around 36 lacs.

List of Incubates is as follows:

S. No.	Name (s) of the Proposer	Company	Project
1	Dr. Geeta Aggarwal & Mr. Sahil Arora	Praecisio Cold Chain Solutions Pvt. Ltd.	Validated Cold Chain Shipping Solutions
2	Mr. Simran Singh & Mr. Piyush Kharbanda	Evol Medline Pvt. Ltd.	Eco Smart Air Mask
3	Mr. Manish Kumar & Mr. Raman Singh	SPRK Med Pvt. Ltd.	Sports Pharma Medico
4	Dr. Pranav Prakash	Vedhalife Research Pvt. Ltd.	Health & Wellness Audit Tools
5	Sukhvinder Singh & Mr. Prabhsimran Singh	Antesde Healthcare Pvt. Ltd.	e-Bottle
6	Siddiqui Mohd Asher & Mohd Najmus Saquib Khan	Adavor Labs Pvt. Ltd.	Air Quality Monitoring System
7	Tridib Chaira & Dr. Pragya Bhateja	Presude Lifesciences Pvt. Ltd.	Data Solution for Chemical Industry
8	Ms. Reena Badhwar & Mr. Sunil Kumar	Rejeda Healthcare Pvt. Ltd.	Product for Diabetic Foot Ulcer
9	Kushagra Khanna, Prafulla M. Pant & Manoj Kumar	Braj Kush Industries Pvt. Ltd.	Low cost Hypochlorous acid based disinfectant products for rural India
10	Kalidas Acharya & Debiparna Biswas	Holycon Innovation Pvt. Ltd.	Positive liquid-Organic protection
11	Kanchan Kohli, Bharti Mangla, Prakash C. Bhatt & Shafiu Rabi	Biohill Pvt. Ltd.	Scientific and commercial viability analysis of Nanoherbaceuticals containing African grape
12	Avneesh Khanna & Nishant Mittal	Testament Innovations Pvt. Ltd.	UV based household hygiene appliances & green fumigation technologies
13	Palepu Jithin Kumar & Rishabh Kumar	Mechagen Robotics Pvt. Ltd.	Mind controlled Prosthetic Arm
14	Shikha, Dr. Tarun Singh & Ankit Sharma	Tashi Healthcare Solutions Pvt. Ltd.	Right medication information to the end users and drugs related problem among healthcare professionals
15	G. Kowshik, Dr. Shriram K. Vasudevan	Loopus Weartech Pvt. Ltd.	Fall Detection system for Elderly People

We have also disbursed Rs. 2 lacs each to following five incubtees, who have made sufficient progress in their project subject to furnishing of Utilization Certificate duly authenticated by their CA which will be validated by our CA.

1	Dr. Geeta Aggarwal & Mr. Sahil Arora	Praecisio Cold Chain Solutions Pvt. Ltd.
2	Mr. Simran Singh & Mr. Piyush Kharbanda	Evol Medline Pvt. Ltd.
3	Mr. Manish Kumar & Mr. Raman Singh	SPRK Med Pvt. Ltd.
4	Kushagra Khanna, Prafulla M. Pant & Manoj Kumar	Braj Kush Industries Pvt. Ltd.
5	Avneesh Khanna & Nishant Mittal	Testament Innovations Pvt. Ltd.

Although it has been a short journey thus far in the endeavor, the response has been quite fulfilling. The number and quality of innovative ideas that the incubates are pursuing through DIIF support is a matter of great pride and we hope to see not only successful business ventures out of this but also products and services of great social impact for the country.

YOGA & FITNESS CENTRE

(Acharya CP Ray)

“There is no noise in the world, there is no peace in the Himalayas. Both are within you.”

Swami Satyananda Saraswati

The concepts and practices of Yoga originated in India about several thousand years ago. Its founders were great Saints and Sages. The great Yogis presented rational interpretation of their experiences of Yoga and brought about a practical and scientifically sound method within every one's reach. Yoga today, is no longer restricted to hermits, saints, and sages; it has entered into our everyday lives and has aroused a worldwide awakening and acceptance in the last few decades. The science of Yoga and its techniques have now been reoriented to suit modern sociological needs and lifestyles. Experts of various branches of medicine including modern medical sciences are realizing the role of these techniques in the prevention and mitigation of diseases and promotion of health.

Yoga is one of the six systems of Vedic philosophy. Maharishi Patanjali, rightly called “The Father of Yoga” compiled and refined various aspects of Yoga systematically in his “Yoga Sutras” (aphorisms). He advocated the eight folds path of Yoga, popularly known as “Ashtanga Yoga” for all-round development of human beings. They are:- Yama, Niyama, Asana, Pranayama, Pratyahara, Dharana, Dhyana and Samadhi. These components advocate certain restraints and observances, physical discipline, breath regulations, restraining the sense organs, contemplation, meditation and samadhi. These steps are believed to have a potential for improvement of physical health by enhancing circulation of oxygenated blood in the body, retraining the sense organs thereby inducing tranquillity and serenity of mind. The practice of Yoga prevents psychosomatic disorders and improves an individual's resistance and ability to endure stressful situations.

On 2nd March 2017 a 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 theory and two practical paper. Three batch of Certificate Course in Yoga has been completed successfully since then and fourth batch is currently enrolled in the program. After the completion of this course student will be able to become a Certified Yoga Professional.

55 M.Pharm student of DIPSAR, 33 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 was celebrated, where more than 100 people participated. T-Shirts with IYD logo were distributed on International Yoga Day.

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





AICTE-QIP NODAL CENTRE

(Dr. Sachin Kumar & Dr. Himangini Bansal)

Delhi Institute of Pharmaceutical Sciences and Research (constituent college of Delhi Pharmaceutical Sciences and Research University) has organized AICTE sponsored short term faculty development programmes also known as Quality Improvement Programs (QIP) for Pharmacy. AICTE promote the organization of these programmes for updating the knowledge of teachers working in various AICTE approved colleges and institutions offering education in Pharmacy all over India. The objectives of these programme are to familiarize the academicians with new discoveries, techniques and technologies of teaching and research in Pharmacy. DIPSAR has successfully conducted four short term faculty development programmes of one-week duration i.e., XXVIII, XXXIX, XXX and XXXI QIPs during this session.

XXVIII Quality Improvement Programme at DIPSAR from 11th -15th March, 2019

The title of the programme was 'Recent Advances in Pharmaceutical Sciences'. More than 30 academicians from various pharmacy institutes of the country participated in the programme as delegates. The participants were from various cities of Uttar Pradesh, Gujrat, Panjab, Andhra Pradesh, Nasik, Telangana, Haryana, West Bengal and Delhi.

The programme was consisted of talks on variety of topics related to teaching and drug discovery, workshop on communication, demonstration of various techniques related to drug discovery and a laboratory visit.

The chief guest for the inaugural function, Dr. Sunil Kapoor from RPL Pharma, bequeathed the insight of the industry in his talk about 'Industry expectations from Pharmacy Graduates'. Prof. B. S. Balaji from JNU,

Delhi, presented a new way of teaching chemistry in his talk 'Che-mystery for Biologists'. Prof. D. P. Pathak Director, DIPSAR, New Delhi, presented a talk on 'Mutual Pro-drugs: a SWOT Analysis'. Dr. Vaishali M. Patil from Krishna Institute Engineering and Technology, Gzb presented the viewpoint on 'QSAR modelling and current Perspective'. Prof. Amal Chandra Mondal from School of Life Sciences, Jawaharlal Nehru University, New Delhi talked about the various modalities of Parkinsons in 'Basics of Parkinson's disease: Modern therapeutic approach'. Prof Sridhar Dwivedi from National Heart Institute, New Delhi offered the awareness on various aspects of hypertension in his talk 'What's new in Hypertension?'. Ms. Pooja Kumar from Innove Intellects, New Delhi, educated the delegates and participants about the 'Importance of IPR in Pharma Industry'. Dr. Surender Kamal from Galxo Smith Kline, Gurugram, communicated about regulatory aspects of the pharma industry in his talk 'Introduction to Common Tech. Documents and its Importance in Pharma Industry'. Dr. Himanshu Ojha from DRDO, New Delhi, made us and our delegates aware about the needs and challenges of the defence forces and various approaches to overcome these challenges in his presentation on 'Decontamination in CBRN agents'.

Taking consideration of the feedback received from previous QIPs a workshop was organized on communication skills where Ms. Abhilasha Abhay Gupta talked about how to develop an assertive personality.

Not only delegated were provided with the unusual knowledge about academics and industry but sessions were also organized for their health as well. Acharaya C. P. Ray conducted a yoga session for the benefits of the delegates. Also, Dr. Varsha

Chaursiya from the School of Physiotherapy of the University highlighted the consequences of improper ergonomics of the work life and gave the solutions as well on how to avoid these during her session on 'Fitting to Your Workplace: An Ergonomic Perspective'.

The delegates were given the demonstrations of different techniques and hands on training on different sophisticated instruments like DSC, Zeta sizer, high pressure homogenizer, lyophilizer, HPLC, CHNO analyzer, Microwave synthesizer etc. Delegates were also taken for a visit to different laboratories of repute at Jamia Hamdard, New Delhi, to understand the practical aspects of nanoformulations, supercritical fluid technology, tissue culture, gas chromatography, GC-MS, GC-MS/MS, etc.

The Programme was concluded with valedictory function. The Guest of honour for the valedictory function Dr. Dahiya, Prof (retired) from IIT Delhi, talked about the objectivity of the academics and methods to ascertain those objectives via his presentation about 'Outcome based student centric education'. The Chief Guest for the valedictory function, Dr. R. K. Sharma, Ex-Director, DRDO gave his perspective on drug discovery in his talk 'Future of Medicine'.

The delegates also provided their valuable feedback about the programme. They appreciated the content of the programme and also suggested to increase the duration of the workshop on communication. They also thanked the organization for providing the excellent hospitality.

XXIX Quality Improvement Programme at DIPSAR from 8th -12th April, 2019

The bottom line of AICTE sponsored QIP is the process of acquiring new skills and knowledge for personal development as well as career advancement. These courses are designed to give educators practical knowledge to grow their scholarly professional endeavors constantly.

DIPSAR hosted XXIX QIP titled 'Current Trends in Pharmacy' from 8th -12th April, 2019. Twenty-four

teachers from different states of India enthusiastically participated in the program. The participants were from various cities of Uttar Pradesh, Haryana, Kerala, West Bengal, Maharashtra, Gujarat, Chhattisgarh, Jhansi and New Delhi.

The program was inaugurated by the Chief guest- Dr. Uma Raghunathan, Director, Research & Institutional and Faculty development, AICTE in the presence of Prof. D. P. Pathak (Director, DIPSAR) and Prof. R. K. Goyal (Hon'ble Vice Chancellor, DPSRU). She delivered the keynote address on various AICTE schemes to the audience. Dr. Sunita Singh from Shivaji College Delhi University delivered the lecture on 'Cross talk between the nanomaterial and microbiology'.

Dr. Sagarika Biswas, IGIB, shed light on 'Differential Protein Profile Study of Arthritis and Coronary Artery Disease' and Dr. Amit Kumar Pandey, THSTI, delivered a lecture on 'Targeting Persistence: A New Parade TB Drug Development'. Dr. Shailendra Asthana, THSTI, elaborated his research work on the topic 'Unrevealing the Proteins Structural Dynamics through Atomistic and Multiscale Computational Modeling for Small Molecule'. Dr. Shobha Ali showed methodology for the detection of different drugs in antidoping science.

The delegates were taken to the industrial visit to Sun Pharma for the practical applications of theoretical knowledge in Industry. The industry keenly showed the production development laboratory of tablets, capsules, liquid orals and injectable. Their analytical department of the industry was also shown to the participants.

The post-graduate students and research scholars gave a hands-on demonstration of various pharmacological as well as analytical techniques like HPLC, Zeta sizer, Rota evaporator, etc. where the delegates practically experience the techniques.

Dr. Sanju Nanda, Maharishi Dayanand University, appraised the audience understanding 'Sunscreen: A formulator's peak'. Dr. Mallika Pathak, Miranda House gave a different outlook on research-based pedagogy on alternative approach for teaching and

learning. Dr. Aniraban Pal, CIMAP, explained the 'Translation Studies for Transforming Traditional Knowledge to Commercial Knowledge'. Dr. Sridhar Dwivedi, NHI, share a deep knowledge about the accelerated atherosclerosis.

The program concluded with valedictory function. The Chief Guest for the valedictory function, Prof. Vadlamudi Rao, President, CPA, explains that all the brilliant research of a lifetime is of little use if the investigator cannot effectively communicate new findings so he gave the suggestions on scientific writing. The delegate appreciated the course content, demonstration techniques and the hospitality in the feedback.

XXX Quality Improvement Programme at DIPSAR from 25th -29th March, 2019

The XXX AICTE sponsored, Quality Improvement Program titled 'Updates in Fields of Pharmacy' was organized at Delhi Institute of Pharmaceutical Sciences and Research from 25th to 29th March, 2019. Twenty-six pharmacy institute teachers participated from different states of India like Assam, Chhattisgarh, Haryana, Uttar Pradesh and Delhi. The inauguration of the program was begun with lighting of lamp by chief guest Prof. Dileep Malkhede, AICTE advisor, New Delhi. He delivered the inaugural address by highlighting the importance QIP workshops and explains the different AICTE schemes.

Renowned speakers were invited to share their knowledge with the participating teachers. Starting from Prof. R K Goyal, Hon'ble Vice Chancellor, DPSRU delivered lecture on recent progress on the utilization of herbal drugs in the modern era, while Dr. Bharati Dhasan explains the importance of natural product innovations in Industry. Surender Kamal, Senior Manager, GSK gave the detail information about the Drug Regulatory affairs and Pharmacovigilance in Pharmaceutical Industry.

Dr. Sivasankaran gives detailed information about the clinical studies and Prof. PK Sahoo explained the current scenario of Industry outlook on drug price and its marketing globally. Prof. S R Wakode stressed

on alternatives to animals model in teaching and research.

Various lectures were delivered on the recent research based on the proteins. Dr. PC Rath elaborated his research work on the topic 'Stem Cells and Regenerative Medicines in Experimental Mouse Models' and Dr. Rajesh Mishra highlighted about protein refolding and aggregation.

As the QIP was organized not only to upgrade the knowledge, it is also conducted to improve the teachers to teaching practice. For that sake a workshop based on effective use of ICT tools on teaching learning by Prof Anwar Shaikh was structured which was followed by B S Balaji who appraised our faculty by explaining the different learning styles and lesson plans.

The program was ended with certificate distribution in the presence of the Chief guest- Prof. S H Ansari, Jamia Hamdard. He congratulated the participants and the organizing team on successfully completing the program. The delegates were given the opportunity to share feedback, in which they appreciated the course contents and knowledge imparted to them.

XXXI Quality Improvement Programme at DIPSAR from 1st April -5th April, 2019

The title of the programme was 'New Trends in Pharmaceutical Sciences'. The programme was attended by more than 30 faculty members of AICTE approved Pharmacy colleges and institutes from all over the country. The participants were from various cities of Uttar Pradesh, Gujrat, Panjab, Andhra Pradesh, Nasik, Telangana, Haryana, West Bengal, Delhi and many more.

Prof. R. K. Goyal, Hon'ble Vice Chancellor of DPSR University, Prof. Raman Dang, Registrar of DPSR University and Prof. D. P. Pathak, Director of DIPSAR were present along with the Chief Guest for the inauguration of the programme. The Chief Guest for the programme was Dr. B. Rupini, Director of School of Inter-Disciplinary and Trans-Disciplinary Studies, IGNOU. Dr. Rupini talked about the 'Emerging Education System of India'. Prof. Raman Dang,

Registrar, DPSRU talked about the 'Current Trends in Pharmacy'. Dr. Himanshu Ojha from DRDO, New Delhi familiarize the delegates and the participants about the need of the defence personals via his talk on 'Research and Development Perspectives of External Decontamination and Wound Healing'. Dr. Mallika Pathak from Miranda House, Delhi University discussed various Teaching Methodologies in her presentation at the programme. Dr. Sunita Singh from Shivaji College, Delhi University elaborated the concept of nanotechnology vis-a-vis microbiology in her presentation 'Nanotechnology to Microbiology: Characterization of Dendrimers and Accessing Microbial Diversity'.

Prof. B. P. Srinivasan from B. S. Anangpuria Institute of Pharmacy, talked about Diabetes and its preclinical modalities with emphasis on diabetic complications. Prof. Harvinder Popli, Dean, School of Pharmaceutical Sciences, DPSR University provide the insight into the healthcare market in her talk 'Healthcare Scenario of Emerging Market'. She has provided the nuances of healthcare industry which she has acquired in her tenure in healthcare industry. She also gave a brief on DPSRU Innovation and Incubation Foundation (DIIF) and its role in incubating and providing seed funding to various bankable ideas for the benefit of the society.

Dr. Kalaiselvan, Principle Scientific Officer from Indian Pharmacopoeial Commission deliberated on the 'Quality and Safety of Pharmaceuticals: Scope and Challenges for Pharmacy Professionals'. Dr. Surender kamal from Galxo Smith Kline, Gurugram provided the regulatory aspect of the healthcare industry in his presentation 'Current Good Manufacturing Practice of USFDA- Review and Introduction'. Dr. Arundhatti Bhattacharya, Director, Babu Banarasi Das Institute of Technology, Gzb presented a talk on 'Searching for Patents: Strategies and Databases'. Dr. Debasis Bhattacharya from Institute of CSR and Management, New Delhi talked about the potential of Corporate Social Responsibilities and its future course in his presentation 'India's CSR in Next Decade'.

Dr. Ruchi Malik from Central University of Rajasthan presented a research report in her talk 'Determination of Comprehensive In-silico determinants as a Strategy for Identification of Novel PI3K α Inhibitors'. Dr. Sanjiv Kumar from School of Sciences, IGNOU described the role of instrumental techniques in the drug discovery in his presentations 'Circular Dichroism- Principle and Applications' and 'NMR: Advantages and Disadvantages'. Dr. Kanchan Kohli from the School of Pharmacy, Jamia Hamdard made aware the delegates and participants about the 'Recent Advances in Delivery of Phytoconstituents'. Mrs. Amrita Parle from DIPSAR presented a topic in 'Professional Development and Soft Skills'. Dr. K. Nagarajan from Krishna Institute of Engineering and Technology, Gzb discussed various 'Strategies in Drug Design'. Dr. Rajesh Mishra from School of Biotechnology at Jawaharlal Nehru University appraised about the 'Methods of Study of Protein Aggregates' and their application in understanding the pathophysiology of diseases. Dr. Anil Kumar from National Institute of Immunology discussed the 'Intellectual property rights and their relevance to biological sciences'.

Dr. Varsha Chaurasiya, School of Physiotherapy, DPSR University talked about the balance of body during the work, common postural problems, their consequences and possible solution in her physiotherapy session 'Occupational Problems and Ergonomics as a Solution'.

A visit to National Dope Testing Laboratory, New Delhi was organized and Dr. P. L. Sahu, Scientific Director, NDTL deliberated on 'Analysis of Dope Samples: Challenges and Innovations'. Demonstration of the various techniques like GC-MS, GC-MS/MS, GC-C/IRMS, LC-MS/MS, Flow Cytometer, ELISA Reader, etc. for the delegates and participants were also arranged at the NDTL.

The delegates thanked the Organizers along with their cherished feedback about the programme. They valued the plan of the programme and suggested to increase the extent of the workshops. They also expressed gratitude to the organization for providing the admirable hospitality.

Glimpse of Quality Improvement Programme 2019



PLACEMENT CELL

(Dr. Geeta Aggarwal)

The placement cell, DPSRU continue to stands committed towards getting the best possible opportunities for its students by providing them with a thriving platform and the best exposure. The aim of the placement cell is to provide employment opportunities, including self-employment and admission for higher studies in reputed institutes, for the students, commensurate with their specialization & calibre and to place maximum students in reputed companies. To achieve this aim, the university conducts skill enhancement programmes and continuously interact with the industries to update the current requirements of industry for the students.

DPSRU is concluding its final placement for the year in leading National & Multinational companies at all levels including undergraduate, postgraduate, Ph.D. & Diploma students. Like previous years, the DPSRU continued to enjoy immense confidence from the corporate world as substantiated by the remarkable placement season for the session 2016-17 & 2017-18. 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.

The university has left no stone unturned to bring the biggest names in the industry on campus. Be it the R&D giant, Novartis or Quintiles IMS, each and every company that has visited the college so far has been amazed by the talent the students have to offer.

During 2018-19, the University witnessed participation of various esteemed organizations offering roles across various domains including formulation development, clinical research, business analysis, production, quality assurance,

research & development, hospital & community pharmacy and sales & marketing. Various companies including WNS (Value-edge), IQVIA, Dr. Reddys, Zyla, Abbott, Cipla, Novartis, ZS Associates, DRG, Eli-Lilly, BresMed, Walter Bushnell, BresMed, Phronesis Jubilient Generics, Turacoz, Mankind, Troikaa Pharmaceuticals, Cognitrex, Fortis, Sanyog Enterprise, Fortis Healthworld, Tata Consultancy etc. participated in the recruitment process of our students. The companies offered package of 8.5 to 5.0 lacs for M.Pharm. and 3.5 to 6.2 lacs for B.Pharm. students.

The remarkable thing in this process was the proactive participation of student coordinators (Anmol Wadhwa, Dev Jain, Himanshu, Vandna and team) in the months leading to the recruitments. On the whole, 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 M. Pharm. students. Most of the B. Pharm. students showed their interest for higher studies and cleared the GPAT examination.

In addition to recruitment, the placement cell of University coordinates the activities like arranging Job training, industrial visits and career guidance lectures to students. University has arranged summer training of 120 students of D. Pharm. in various Government and Private hospitals. The summer training of M. Pharm. students is arranged in WNS, Cognitrex, Hospitals, Quintiles IMS etc. B.Pharm. students are sent to various industries for summer training. The placement cell has organized workshops including Workshop on Career Awareness entitled 'I am a Pharmacist-Do I know my industry!' in collaboration with SIHMRICI and APTI Delhi State Branch. In addition to it, various expert talks on Resume writing, Aptitude test, Group Discussions were arranged. The placement cell started the soft skill training programme in the

university for M. Pharm. 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 & developments in the industry and motivates them for self-employment, start-ups and entrepreneurship. One of our Ph.D. student has started his own start-up for Pharmaceutical and allied Health Sciences.

S. No.	Name of students	Specialization	Job profile
Novartis, Hyderabad			
1	Urgen Chodon	M. Pharm. (Quality Assurance)	Data Analyst
2	Anmol Wadhwa	M. Pharm. (DRA)	Data Analyst
3	Debiparna Biswas	M. Pharm. (Pharm. Analysis)	Associate Scientist-1
4	Mona Vishwakarma	M. Pharm. (Pharmaceutics)	Associate Scientist-1
IQVIA, Gurugram			
5	Ravi Kumar Yadav	M. Pharm. (Clinical Research)	Data Analyst
6	Mrigna Malhotra	M. Pharm. (Clinical Research)	Data Analyst
7	Shalu Pal	M. Pharm. (Pharmacognosy)	Data Analyst
8	Chaitnya Goswami	M. Pharm. (Quality Assurance)	Trainee Data Analyst
9	Sahil Kalyan	M. Pharm. (Quality Assurance)	Trainee Data Analyst
10	Tripti Saxena	M. Pharm. (Quality Assurance)	Trainee Data Analyst
11	Shweta Rawat	M. Pharm. (Drug Regulatory Affairs)	Trainee Data Analyst
12	Sanchita Dhiman	Pharm. MBA	Trainee Data Analyst
WNS Global Services, Gurugram			
13	Aayush Kumar Jha	M. Pharm (Pharmaceutics)	Data Analyst
14	Dev Jain	M. Pharm (Pharmaceutics)	Data Analyst
15	Deepak Insa	M. Pharm. (Chemistry)	Data Analyst
16	Ritika Pal	M. Pharm. (Drug Regulatory Affairs)	Data Analyst
17	Hridyanshu Verma	M. Pharm. (Drug Regulatory Affairs)	Trainee Analyst
ZS Associates, Gurugram			
18	Anjali Kapoor	M. Pharm. (Drug Regulatory Affairs)	Knowledge Management Associate
19	Rahul Saini	M. Pharm. (Pharmacology)	Knowledge Management Associate
20	Sheetal Goel	M. Pharm. (Quality Assurance)	Summer Trainee
21	Harshita Sharma	M. Pharm. (Pharmaceutics)	Summer Trainee
Dr. Reddy's, Hyderabad			
22	Neekita Sharma	M. Pharm. (Pharmaceutics)	Research & Development
Walter Bushnell, Gurugram			
23	Shivangi Chauhan	M. Pharm. (Pharmacology)	Medical Information Service
24	Varun Kumar	M. Pharm. (Clinical Research)	Medical Information Service
25	Priyanka Lekhwar	M. Pharm. (Pharmaceutics)	Marketing
DRG, Gurugram			
26	Varun Kumar	M. Pharm. (Clinical Research)	Health Economic Executive
27	Priya Soni	M. Pharm. (Pharmaceutics)	Health Economic Executive
28	Aysha Arshad	M. Pharm. (Pharmaceutics)	Health Economic Executive
29	Ankita Kumar	M. Pharm. (Hospital Pharmacy)	Health Economic Executive

S. No.	Name of students	Specialization	Job profile
30	Priyanka Lekhwar	M. Pharm. (Pharmaceutics)	Health Economic Executive
31	Hardeep S Bamba	M. Pharm. (Quality Assurance)	Health Economic Executive
32	Ritesh Pathania	M. Pharm. (Quality Assurance)	Health Economic Executive
33	Komal Tomar	Pharm. MBA	Health Economic Executive
Zyla, Gurugram			
34	Richa Singh	M. Pharm. (Pharmacology)	Clinical Research Analyst
Eli Lilly			
35	Sonali Sharma	Pharm. MBA	Marketing
36	Aprajita Rastogi	Pharm. MBA	Marketing
37	Prabhsimran Singh	Pharm. MBA	Marketing
38	Aayushi Jain	B. Pharm	Sales Representative
39	Ashi Siddiqui	B. Pharm	Sales Representative
40	Ritika Beechwani	B. Pharm	Sales Representative
41	Aaron	B. Pharm	Sales Representative
Abbott, Himachal Pradesh			
42	Kajal Jain	M. Pharm. (Pharmacognosy)	Production
43	Ubaid Tariq	M. Pharm. (Biotechnology)	Production
44	Priyanka Lekhwar	M. Pharm. (Pharmaceutics)	Production
45	Anjali Kapoor	M. Pharm. (DRA)	Quality Assurance
46	Geeta Negi	M. Pharm (Pharm. Analysis)	Quality Control
47	Shivani Chawda	M. Pharm (Pharm. Analysis)	Quality Assurance
Kalam Institute of Health Technology, Vishakhapatnam			
48	Rashi Tomer	M. Pharm. (Clinical Research)	Senior Research Fellow
49	Megha Dabas	M. Pharm. (Clinical Research)	Senior Research Fellow
Cipla, Mumbai			
50	Smridhi Khurana	B. Pharm	Therapy Manager
51	Akash Bansal	B. Pharm	Therapy Manager
Cognitrex, Gurugram			
52	Anmol Wadhwa	M. Pharm. (DRA)	Data Analyst
53	Sonali Sharma	Pharm. MBA	Data Analyst
54	Sanchita Dhiman	Pharm. MBA	Data Analyst
55	Mugdha Kesh	Pharm. MBA	Summer Trainee
56	Vaishali Khanna	Pharm. MBA	Summer Trainee
57	Poorvi Sharma	Pharm. MBA	Summer Trainee
58	Nazla Khalid	Pharm. MBA	Summer Trainee
59	Richa Swantantrata	Pharm. MBA	Summer Trainee
BresMed			
60	Rahul	M. Pharm. (Clinical Research)	Research Associate
61	Himanshu	M. Pharm. (Pharmaceutics)	Research Associate
Phronesis			
62	Kokila	B. Pharm.	Business Development Executive
63	Shivani Giri	B. Pharm.	Business Development Executive
NPPA, New Delhi			
64	Garima Singh	M. Pharm.	Officer
Fortis, Gurugram			
65	Mohammad Sharib	MHM	Trainee

S. No.	Name of students	Specialization	Job profile
Park Hospital, Gurugram			
66	Anshika Gupta	MHM	Trainee
Turacoz			
67	Kritika Tiwary	M. Pharm. (Quality Assurance)	Medical writer
68	Pankaj Chakravorty	M. Pharm. (Quality Assurance)	Medical writer
69	Shubham Abrol	M. Pharm. (Chemistry)	Business Devlp. Executive
70	Indu Yadav (waiting)	M. Pharm. (Chemistry)	Medical writer
Fortis Healthworld			
71	Khushagar Kanna	Ph.D.	Start-up funded by DIIF

Placements of DPSRU in 2018-19: Overview

Number of companies called for recruitment	22
New Recruiters	08
Maximum package offer	8.5 lacs
Average package for PG	6.0 lacs
Average package for UG	5.0 lacs
Number of offers by companies	70
Number of offers for Hospital/Industry training for UG & Diploma	More than 150



SOME OF OUR RECRUITERS



Ph.D. Programme in DPSRU

A Doctor of Philosophy (Ph.D.) is the highest university degree, awarded to students who carries original research work and submit thesis providing a significant new contribution to knowledge in their subject.

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 Regulated studies for new Drugs.

DPSRU offers Ph.D. in wide range of discipline of health sciences like Pharmaceutics, Pharm. Chemistry, Pharmacology, Pharmacognosy, Clinical Research, Biotechnology, Drug Regulatory Affairs, Quality Assurance, Physiotherapy, Management and other allied subjects. 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 Ph.D. programme in DPSRU

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

The candidate has to appear for the entrance examination for taking admission and minimum qualifying marks are 50%. After qualifying examination, an interview is held where the candidates are required to discuss their research interest/area through a presentation before a duly constituted expert committee.

The candidates who have valid JRF/SRF or have qualified NET/GATE/GPAT/SLET/ from the UGC/CSIR/DBT/DST/ASRB or ICGEB/SERB/DRDO/INMAS or any other statutory body of the Government or who have passed M. Phil. from a UGC recognized University are exempted from the entrance test as per the norms of the university.

The successful candidates from the entrance examination or qualified otherwise, are enrolled first as Pre-Ph.D. candidates for the course.

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. 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 has to 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 45 Ph.D. research scholars are pursuing their Doctoral Research Projects in the University. In the current year, a batch of 50 students have been admitted in Pre-Ph.D. in 2018-19. Out of which 20 candidates of Ph.D. are working on Government funded research projects. Thus, in all the University has 95 students for Ph.D.

In 2018-19, the first 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) was held and progress report of 8 Doctoral students was approved for further action. 24 DSRCs meetings of Ph.D. students were organized to monitor the progress of Doctoral research work. In 2018-19, the total number of Ph.D. research scholars are more than 90 in number. Various guest lectures for Ph.D. students were organized, which included expert talks on

Research methodology, Scientific and Medical writing, Plagiarism, Research ethics, Recent trends in drug delivery, Biostatistics, Entrepreneurship, Research in Cosmeceutics etc. In addition to it, communication skill and Intellectual Property Rights classes were organized by experts.

Title of ongoing Ph.D. projects	Guide Name	Student Name
Pre-clinical and clinical evaluation for anti-depressant like activity of selected natural origin compounds	Prof. Ramesh K. Goyal	Ms. Arzoo
Development of Novel Drug Candidate for the treatment of diabetes and associated cardiovascular complications taking swertiamarin as the head	Prof. Ramesh K. Goyal	Ms. Shikha Goswami
Development of App-based algorithm for Therapeutic Drug Monitoring Pharmacovigilance of Antidiabetic/ Antihypertensive drugs	Prof. Ramesh K. Goyal	Mr. Tarani Prakash Srivastava
Investigation of cellular and molecular of therapeutic targets in mycobacterium Tuberculosis	Prof. Ramesh K. Goyal	Mr. Rahul Gupta
To evaluate the anticancer activity of <i>Shorea robusta</i> bar extract	Prof. S.S. Agrawal	Ms. Pallavi Sharma
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	Ms. Pougang Golmei
Antifertility activity of certain herbal drugs	Prof. S.S. Agrawal	Ms. Nidhi Singh
To evaluate the Drug Utilization, Pharmaco-economic Burden & adverse drug, reaction reporting of cardiovascular drugs in the tertiary care National Heart Institute, North India, Delhi	Prof. S.K. Gupta	Ms. Nisha
Chemical profile, Bio-activities and topical nano formulation development of some medicinal plant extracts	Prof. D.P. Pathak	Mrs. Manju Vyas Singh
Structural based designing of novel inhibitors of fatty acids transport protein 5 (FATP5): A computational approach.	Prof. D.P. Pathak	Ms. Anita Kumari
Formulation Development of various agents to improve its efficiency as Internal DE corporation Agent	Dr. D.P Pathak	Ms. Vaishali Agrawal
Analysis of new Artificial Intelligence powered analytical and digital tools to maximize competitive advantage in healthcare	Prof. Harvinder Popli	Ms. Rakhi Ahuja
Impact of Health and Workplace wellness on Productivity	Prof. Harvinder Popli	Mr. Pranava Prakash
To formulate & Evaluate advanced drug delivery system for Arthritis	Prof. P.K Sahoo	Ms. Laxmi
To prepare & evaluate a novel drug delivery system for the treatment of C.N.S disorders	Prof. P.K Sahoo	Ms. Neha
Development and evaluation of novel drug delivery strategy for improved cancer chemotherapy	Prof. P.K Sahoo	Ms. Shweta Paroha
Development of a drug delivery system for the treatment of PSORIASIS	Prof. P.K Sahoo	Ms. Bhumika Kumar
Design, Synthesis and Physiochemical Characterisation of new Thiophene derivatives as potent anti-diabetic agents	Prof. Sharad Wakode	Ms. Faizana Fayaz
Design, Synthesis and Pharmacological Evaluation of new Piperazine derivatives for the treatment of neurodegenerative disease	Prof. Sharad Wakode	Ms. Anjali
Modulating the sirt 1 activity through identifying novel synthetic small molecules'	Prof. Sharad Wakode	Mr. Mritunjay Singh

Title of ongoing Ph.D. projects	Guide Name	Student Name
Development and characterization of nanocarrier (s) for wound healing Management	Dr. Madhu Gupta	Mrs. Meghna Amrita Singh
Development and evaluation of novel topical formulations for enhancing combat efficiency of troops	Dr. Meenakshi Chauhan	Ms. Himanshu
Screening of various De-corporation agents for the Internal De-corporation of Radionuclides	Dr. Meenakshi Chauhan	Mahendra Yadav
Prompting B-Catenin degradation by identifying small molecule from protein-protein interaction to prevent its interaction with ubiquitin specific protease 7	Dr. Rajani Mathur	Mr. Mitul Srivastava
Studies on few selected Plant secondary metabolites and their semisynthetic derivatives for cytotoxic effects	Dr. Ramesh Bodla	Ms. Akanksha
Design, Synthesis & Pharmacological Evaluation of New Coumarin Based Heterocycles	Dr. Rajiv Tonk	Ms. Uma
Design, synthesis and pharmacological evaluation of nitrogen containing heterocyclic derivatives for C.N.S disorders	Dr. Rajiv Tonk	Mr. Gautam Bhardwaj
structural insights into Programmed Cell Death protein (PD-1) with its ligand (PD-1) through protein-protein interaction: Application in Designing of novel checkpoint antagonists for immunotherapy	Dr. Rajiv Tonk	Ms. Lovika Mittal
Tailored Antifungal Nanoparticles for the management of vaginal candidiasis	Dr. Geeta Aggarwal	Ms. Bhawna Mittal
Synthesis of some substituted benzoxazole like heterocyclic compounds and their biological evaluation	Prof. Sharrad Wakode	Ms. Avneet Kaur
Design, synthesis and biological evaluation of some novel fatty acid derivatives	Prof. D. P Pathak	Ms. Garima Kapoor
Stability indicating method development and validation for the estimation of few fixed dose combination drugs in blood serum and pharmaceutical dosage forms using UV, HPLC and LC MS	Dr. Ramesh Bodla	Mr. Ravi Kant
Pharmacokinetic and Pharmacodynamic evaluation of medicinal plant extract in rodent model of fructose induced metabolic syndrome	Dr. Rajani Mathur	Mr. Jayachandran Nair
Design, synthesis and biological evaluation of some new 5-membered heterocyclic scaffolds	Prof. D.P Pathak	Ms. Rubina Bhutani
Regulations for conducting clinical trials in various countries (US, MHRA, Japan and India) and to compare it with Indian regulations.	Prof. S.K. Gupta	Mr. Abhishek Singh
Development of NDDS for breast cancer	Prof. S.S. Agrawal	Md. Mazhar
BA-BE Studies of certain drugs	Prof. S.S. Agrawal	Mr. A.K Pradhan
To study the intestinal fructose transport in rodent model of fructose induced childhood - overweight / obesity and investigate the preventive potential of medicinal plants there in	Dr. Rajani Mathur	Mr. Prateek Sharma
Development and evaluation of ophthalmic drug delivery system for glaucoma	Dr. Meenakshi Chauhan	Mr. Pankaj K. Sharma
Phytoanalytical evaluation & development of an antihypertensive & cardiogenic herbal formulation	Prof. Harvinder Popli	Ms. Anubhuti Pasrija
Synthesis, characterization, and biological evaluation of some novel prodrugs	Prof. D.P Pathak	Ms. Monika
Nanotechnology based therapies for skin wound regeneration	Prof. Harvinder Popli	Ms. Reena Badhwar
Development of short peptide based self-assembling nanostructure as drug delivery vehicle for brain and as a scaffold for tissue engineering	Dr. Meenakshi Chauhan	Mr. Nitin Yadav

SCHOOL OF PHYSIOTHERAPY EVENTS

(Dr. Siddharth Sen)

World Physiotherapy Day Celebration

On the occasion of World Physiotherapy day, School of Physiotherapy DPSRU organized the 1st National Physiotherapy Symposium on 6th September, 2018. The event was inaugurated by Hon'ble Vice Chancellor Prof. Ramesh K. Goyal. The Registrar Prof. Raman Dang, MLA of Ambednagar constituency of South Delhi Shri Ajay Dutt were the Guest of Honours. The Symposium was organized with the theme on "Recent Advancement in Physiotherapy". Five distinguished speakers from Physiotherapy fraternity - Dr. Harpreet Singh AIIMS, New Delhi, Dr. Narkeesh Arumugam, Professor, Punjabi University, Patiala, Dr. Kavita Behal Sub

Editor, IJPOT Journal, Dr. Arun Mozi, Assoc. Prof. SBSPGI, Dehradun, and Dr. Abha Sharma, H.O.D., Holy Family Hospital, New Delhi.

Workshop on "Manual Therapy of Lumbar Spine"

On the 7th September 2018 workshop was organized for the students of final year on "Manual therapy of Lumbar spine". Dr. Naveen Ganer was the key resource person who shared his expertise about the clinical examination of lumbosacral spine along with selective lumbo-pelvic manipulations and latest mobilization techniques for treatment of lumbo-pelvic dysfunctions.



Hands on Training cum workshop

A Hands-on Training cum workshop on Clinical Approaches of Proprioceptive Neuromuscular Facilitation Techniques was organised on 29th-30th January, 2019. Dr Harpreet Singh (PT), Senior Consultant Physiotherapist, Department of Neurology, AIIMS was the distinguished guest faculty. He is an expert and specialized in Neuro-physiotherapy and certified instructor for PNF

(Proprioceptive Neuromuscular Facilitation) and NDT (Neuro Developmental Technique). He was invited as resource person to teach and to give Hands-on Training about PNF Techniques which are used not only for patients with neurological conditions but to increase coordination and precision in musculoskeletal and sports related conditions. Students enjoyed and learnt many such techniques.



Seminar on Antidoping

All India Physiotherapy Seminar on Antidoping was organised on 25th February 2019. The seminar was inaugurated by Sri Naveen Agarwal, Director General NADA who was the Chief guest and Dr. Ankush Gupta was the Guest of Honour, Prof. Naranjan S. Dhalla, Winnipeg, Canada, Prof Asher Kimchi, International academy of cardiology, USA were the Distinguished Guests along with Dr. Vipin Kumar, CEO, IHFA and Dr. Sumit Saxena. All the guests through their words of wisdom motivated the students to commence the seminar. They stressed on the importance of

the anti-doping and its need in the society. The seminar commenced with the felicitation of the guests. Shri Naveen Agarwal, DG, NADA briefly discussed the ill effects of doping in sports and fame of one's nation. Dr. Sumit Saxena, talked about "the importance of a physiotherapist in the management of sports teams". Dr Ankush Gupta, NADA talked on "Anti-doping". The talks were followed by "Nukkad Natak on Anti-Doping" to create awareness about the dangers of Doping. The valedictory program included the certificate distribution and vote of thanks by Dr Rajiv Kumar Tonk.



Finishing School Program

The first finishing physiotherapy school program was organized by school of Physiotherapy on 9th April 2019 for final year BPT students. It was held in the board room of Delhi Pharmaceutical Sciences and Research University. The program started with lamp lightening ceremony by the esteemed chief guest Dr. Arun Kumar Aggarwal, President of DCPTOT and Hon'ble Vice chancellor of the university Prof. Ramesh K Goyal.

The programme commenced with a special lecture

by Dr. Kenjom Ngomdir, on the topic "On field emergencies, responsibilities and independent physiotherapy practice- When, How and Where?". It thrilled the students with the knowledge and experience about most recent practical knowledge and other important clinical aspects. Another special talk by Dr. Kanupriya on "Emerging scopes in physiotherapy: A journey towards a celebrity therapist" was really motivational talk for guests, dignitaries and students. Dr. Mayank Jain also enlightened students on his topic "Universal health care and working abroad: Not a dream anymore.



SPORTS EVENTS

(Ms. Shilpa Jain, Dr. Sachin Kumar & Mr. Dushyant)

ANNUAL SPORTS MEET-2019

“The moment of victory is much too short to live for that and nothing else.”

Martina Navratilova

Delhi Pharmaceutical Sciences and Research University organized the Annual Sports Meet 2019 from 20th to 22nd February at the University Sports Complex upholding this spirit of sporting events. The enthusiasm can be ascertained from the fact that more than 600 entries were received for participation in different events.



The Annual Sports Meet was inaugurated by Shri Ajay Dutt, MLA, Ambedkar Nagar, New Delhi, as the Chief Guest. Honorable Vice-Chancellor, Prof. R.K. Goyal, Registrar, Prof. Raman Dang, Dean Prof. Harvinder Popli and Mr. Anshul Bagai, Director, ASSRM also grace the function. They gave their views about sports and wished all the participants the best and also to play with true sportsmanship. After the speech of the chief guests, Oath Taking Ceremony was done, followed by the Marshal Run. The oath was given by Lene Obong and the students solemnly pledged to uphold the spirit of true sportsmanship. The Chief Guest declared the meet open followed by lighting of the torch. Prof. R. K. Goyal, Vice Chancellor DPSRU, was the torch bearer and the faculty ran behind him.



The Fitoor society of the University presented a street play on the importance of Sports, followed by an adventurous event, student pyramids presented by students of B.Sc. Sports Science.



A colorful power Drill by the university students preceded the volleyball, basketball, table tennis and chess event. The day was filled with exciting victories.

On 20th February, all the indoor games for the students were accomplished along with the team games like Volley Ball, Basket Ball etc. and cricket between staff and Faculty of DPSRU, DIPSAR and ASSRM.

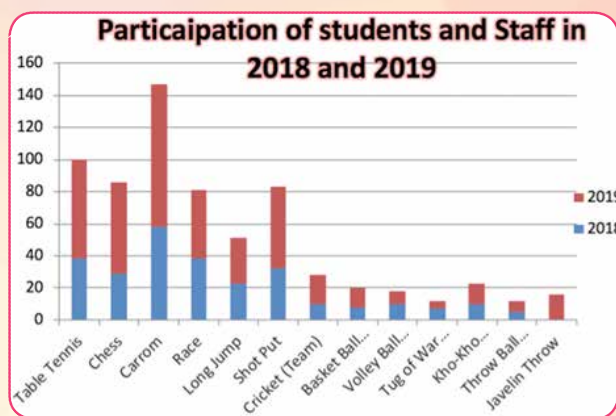


Mr. Dushyant Rana, In-charge, Sports Sciences, guided about the game rules to the students and faculty. Ms. Shilpa Jain coordinated overall activities for the 3 days meet with the help of Dr. Rajiv Tonk (Patron), Sports secretary President and Vice President.



Staff of the university also showed a great enthusiasm and exhibited presence of mind and the power in the games and leaving behind the work stress.

As compared to the sports meet 2018, there was an increase in number of both students as well as staff for participation.



The sports meet concluded with a cheerful note, heralding the year 2019 with lots of promises for all the young sports enthusiasts.



EXTRACURRICULAR ACTIVITIES & CULTURAL PROGRAMS

(Dr. Rajiv Kumar Tonk & Cultural Secretary)

INTERNATIONAL YOGA DAY CELEBRATION

International Yoga Day was celebrated with good feel and unity at Yoga and Fitness Centre of Delhi Pharmaceutical Sciences & Research University (DPSRU). The program was inaugurated by the Chief Guest of the program Dr. Srinivasan from IREDA,

New Delhi, Prof. R.K. Goyal, Prof. Harvinder Popli, Prof. D.P. Pathak and conducted the yoga session in the presence of Acharya C. P. Ray and practiced Yoga. The whole programme was coordinated by Dr. Shilpa Jain. After valediction, refreshments were distributed to all.



72nd INDEPENDENCE DAY CELEBRATION

Freedom in the Mind... Faith in the words ... Pride in our souls ...!

The 72nd Independence Day was celebrated on 15th August 2018 with great enthusiasm and respect to the Nation. The ceremony started in the sports complex ground and a large number of staff, students and parents were presence. The Vice Chancellor Prof. Ramesh K. Goyal accompanied by the University security guards Squad led by Mr. Shivjee Pandey begun the program by customary

unfurling of the National flag and the National anthem. There was a parade of security guards along with students of the University. 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.

Prof. Goyal in his address to gathering called for keeping pace with emerging technology in education, sports and finance fields and be innovative. The University hopes to send students

to actively participate in the sports like Asian games and Olympics. Prof. Harvinder Popli instilled patriotism and love in the audience for country by her wonderful and crisp speech. Professor D. P. Pathak, Offg. Director DIPSAR addressed everyone and expressed pride in our rich culture, our army and we as Indian citizens. The programme was concluded with a Vote of thanks by Dr. Rajiv Kumar Tonk, Patron-Student Council.



TEACHER'S DAY CELEBRATION

To commemorate the birthday of Dr. Sarvapalli Radhakrishnan on 5th September 2018 Teacher's Day was celebrated.

The event started with an address by Prof. R. K. Goyal highlighting the importance of teachers in student life and was followed by a series of fun games for the faculty members distributed in teams. There was presentation of the small skit by the Fitoor- the drama society, who addressed the balance between modern and ancient education system. The music society (Raag) also performed a medley of songs and the dance society () dedicated their performance to the great dancers of India. The event was handled by the literary society of the institution- Verve.



NEW STUDENT'S CULTURAL PROGRAM

A cultural program for the new students of DIPSAR & DPSRU 2018 was celebrated on November 16, 2018 in the auditorium of DPSRU. Miss Shreya Chopra (Miss India Glammonn 2017-18) was invited as the Chief Guest. The function started with the lamp lighting and welcome by Prof. R. K Goyal, followed by the motivating speech of Prof. Harvinder Popli. During inauguration the Office bearers of the student council-2018 were introduced by Dr. Rajiv Tonk (Patron, Student Council) as Manish Dagar (President), Ravi Kumar (Vice president), Ashish Kumar (Cultural Secretary), Dharmanshu (Joint Secretary), Shivani Giri (General Secretary), Rakshit (Sports Secretary) and Kanishka (Girls representative). All the elected Office members were felicitated by Miss Shreya Chopra, Hon'ble

Vice Chancellor and other dignitaries present there. Md. Shoaib was selected as Mr. Freshers' and Miss Sakshi was selected as Miss Freshers'. The event ended with a dance session enjoyed by all the students and staff of the University.



LOHRI, MAKAR SANKRANTI AND PONGAL CELEBRATION

Lohri & Makar Sankranti were celebrated with a lot of excitement in the university campus on 16th January 2019. 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 various food items were distributed among every one present on the occasion. 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. The entire DPSRU family i.e. staff, teachers and students dance together and celebrated the festival with full diligence and earnestness.

70th REPUBLIC DAY CELEBRATION 26th JANUARY 2019

The 70th Republic Day was celebrated first time by the staff and students with patriotic fervour and great happiness in the university campus. The celebration commenced with the customary unfurling of the national flag by Prof. R. K. Goyal VC, DPSRU followed by the National Anthem. Then the parade of two groups, one from students command and other from security guards, started in the sports ground and salute was given to the Hon'ble Vice Chancellor.

On this auspicious occasion Prof. R. K. Goyal address to the gathering and expressed pride in the rich cultural past of the country. He urged every student to work with honesty and dedication for the nation. He said that poverty, illiteracy and unemployment are the three major factors which is pulling us back and making people to sort to the bad ways of living life. Still with all these problems, Unity in diversity has been the biggest symbol of our country. At the end of his speech he said "I feel that we make our progress in the good direction in the coming days and the feeling of oneness remains in the progressive days of tomorrow" Jai Hind.

Prof. D.P. Pathak also focussed on unity in his speech and express thanks to all present there for making the day more patriotic and memorable.



NATIONAL VOTER'S DAY CELEBRATION

National Voter's day celebrated in collaboration with district election commission, south on 25th January 2019. The theme of the function was "Empowering Young & Future Voters". The chief guest of the function was Prof. R.K. Goyal, VC DPSRU. The programme started with the lamp lighting followed by Floral welcome of the chief guest by the, ADM, South Delhi. Various cultural programmes such as solo song, Solo dance, Duet Dance, Group Dance and Band were performed by the student's members of dance, cultural and band societies of DIPSAR and DPSRU. Prof. R.K. Goyal and Mr. Tanvir in their speech explained the importance of voting system in India by giving various attention-grabbing examples. At the end of the function cash prizes and certificates were distributed to the winners.

BLOOD DONATION CAMP

A blood donation camp was organised by the Delhi Pharmaceutical Science and Research University (DPSRU) in the campus in collaboration with the AIIMS, New Delhi, India on October 31st Jan. 2019. More than 75 volunteers from among the students, faculty and staff members participated voluntarily in the camp. A small awareness program was also organised for Thalassemia. Prof. Shridhar Dwivedi Chairman-BOG was the Chief Guest, Prof. Ramesh K. Goyal, DPSRU, Prof. D. P. Pathak & Prof. Harvinder Popli were presence during the camp program was coordinated by NSS Co-ordinator Dr. Saminathan J. and NSS Co-coordinators Dr. Siddarth Sen and Dr. Rajiv Tonk.



GURUPURAB CELEBRATION

“God is one but he has innumerable forms. He is the creator of all and he himself takes the human form.”

On the eve of Gurpurab, students of DPSR University organized a special function where they spoke and enacted about life and philosophy of Guru Nanak Devji. Students came dressed in traditional attires. The celebration started with prabhat pheri after which they sang hymns, gave speeches, enacted his teachings like sharing, equality with everyone and this really charged the atmosphere with positive vibes and created a mesmerizing aura.

The traditional practices carried out like in gurudwars on the day of gurpurab like sewa, kirtan and langar and the path of Guru Granth Sahib (the holy book of Sikhs) etc. was followed on this occasion.

The ritual was graced with the presence of Prof. R.K. Goyal, Prof. Harvinder Popli, Prof. D.P. Pathak and all the teaching and non-teaching staff members and students.



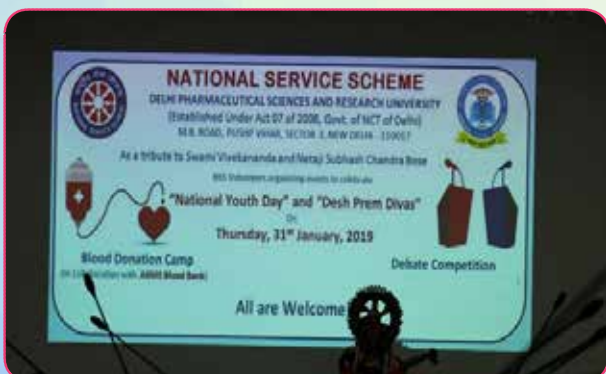
NATIONAL YOUTH DAY CELEBRATION & DEBATE COMPETITION

Debate competition was organised by NSS in collaboration with DPSRU on 1st Feb 2019. Dr. Harvinder Popli and Dr. Raman Dang graced the occasion with their presence. A total number of 13 teams, including students from various colleges & disciplines participated. The topic of debate was 'Does modernization leads to loss of Culture?'. A highly enthusiastic spirit of students made the event a great success.



CANDLE MARCH FOR MARTYRES OF PULWAMA ATTACK

A candle march was organized at DPSRU campus by the student council to pay tribute to the martyrs of Pulwama terror attack and to appeal for peace and harmony. All the staff members and students of DIPSAR and DPSRU participated with full interest to show the unity of DPSRUITES against the terrorism. The march started from the DPSRU building, passed through whole campus and ended at MB road, main gate DPSRU. During march students kept candles, flag and showed patriotic slogans.





FAREWELL 2K19 CELEBRATION “FROM FRESHER’S TO FAREWELL, THEIR LOVE BLOSSOMED”

Farewell party “NEVER SAY GOODBYE” on 18th April 2019 in the college auditorium where students bid farewell to the outgoing students with great enthusiasm and off course nostalgia. Black & White was the theme of the day.

Function began with a floral welcome of the dignitaries and Saraswati Vandana. Lamp Lighting Ceremony was done by Prof. R.K. Goyal, Dr. Raman

Dang, D.P. Pathak, Dr. Harvinder Popli, Dr. Rajiv Tonk, Mr. Ashish Kumar (Cultural Secretary). Member of Dais bid farewell to the students by wishing them good luck in their highly impulsating speech. He also expressed his hope that students will continue holding top positions in the university. Students presented very entertaining group dance, solo dance, solo song performances & poetries. Ramp floor was left open for some unbridled energy. Joy and happiness could be seen among students of each and every course at the college.



DPSRU ALUMNI FORUM

(Prof. Harvinder Popli, Mrs. Manju Vyas & Ms. Reena Bhattacharya)

DPSRU Alumni Forum (DAF): The golden legacy of the alumni carried forward

The legacy of over 55 years of the College of Pharmacy, New Delhi (currently DIPSAR- Delhi Institute of Pharmaceutical Sciences & Research University), from the campus of Pusa Institute to the exclusive campus of pharmaceutical sciences and now the first pharmacy university of India, has culminated into DAF (DPSRU Alumni Forum). DAF combines the experience and the rich legacy of over 50 years of existence of DIPSAR, with the current strength of infrastructure and expertise at DPSRU (Delhi Pharmaceutical Sciences and Research University). DAF is now a voluntary organization. It has been created to boost, nurture and stimulate interactions amongst alumni who have passed out of DIPSAR (erstwhile College of Pharmacy) and DPSRU. DAF has been created with an objective to provide a platform to the alumni for deliberation on various academic, industrial, cultural and social issues, by organizing and coordinating meets or symposia of its members for the benefit of students. The year 2019 began with some interesting events under the aegis of DAF:

The First 'Chai Pe Charcha' at DPSRU on 25th January 2019



A great deal of conversations can happen over a cup of tea. That's what happened, in real, for the first of its kind 'Chai Pe Charcha' event held at DPSRU. The alumni gathered under one roof with the students of the university for a mentor-mentee interaction. This event was the first such event from DAF (DPSRU Alumni Forum), with a membership of 1200 members and increasing, and soon to be a registered alumni forum of DPSRU.



This “Chai Pe Charcha” was led by distinguished alumni Dr. Roop Kishen Khar, Former Dean, School of Pharmaceutical Education and Research, Jamia Hamdard University; Dr. Naresh Sharma, Deputy Drug Controller, CDSCO & President, IPA Delhi state branch; Mr. Rajiv Duggal, MD Pheasantz Dermatologica, and many other alumni who had vast experience in their respective fields after they graduated from the DIPSAR over 20 years back.

There were discussions held on various fields of research, quality control, analysis, clinical research, regulatory, marketing and sales enlightening the students. Suggestions were compiled and it was planned to have collaboration with distinguished alumni with the University for better engagement with the students.



Professor Ramesh K Goyal also enlightened the audience on the path to be followed by the students and faculty from ideation to commercialization to promote innovation and incubation in the University.



Mentor-mentee meet to promote entrepreneurship spirit drugs and cosmetics

An event to promote entrepreneurship spirit, to understand company formation, types of companies and the regulatory aspects of drugs, cosmetics, cosmeceuticals and nutraceutical products was organized by DAF on 21st February 2019. Dr. Kriti Soni, Head- Formulation Development, Dabur Research Foundation and Mr. Ravi Bhatia, Bhatia & Bhatia Chartered Accountants were the distinguished speakers who shared their experiences with the student participants.

Subsequently, DAF alumnus Mr Rajiv Duggal, Managing Director, Pheasantz Dermatologica also visited DPSRU campus and interacted and guided the M.Pharm (Cosmeceutics) students regarding market gaps in the current cosmeceutical products available in the market. He participated actively in discussing regarding the current research projects of Cosmeceutics students.



International Women's Day celebration on 8th March 2019

DAF organized an interactive and motivational talk to celebrate International women's day 2019. The faculty & student participants were happy to be a part of the talk given by Mr Suresh Mansharamani & Ms Uma Mansharamani, Tajurba Business Company. The inspirational speakers stressed on the need for women to take charge of their lives & write their own life stories.



The action has just begun for the DAF. Alumni with a strong legacy & connect to their alma-mater have pledged support to be a part of the growth of DPSRU & DIPSAR by being active participants in academia-industry collaborations, research, marketing, regulations, clinical research, cosmeceuticals, mentoring for start-ups at DIIF & dissemination of practical knowledge.

ENVIRONMENT DAY



GPAT/UNIVERSITY TOPPER

(Dr. Himangini Bansal)

GPAT Result-2019

A record number of 63 students got qualified this year from the University. **Mr. Pankaj Gupta** student of B.Pharm. 4th year DIPSAR scored 8th rank in **GPAT 2019** whereas **Ms. Ruchi** and **Mr. Pawan** students of School of Pharmaceutical Sciences, DPSRU grabbed the 10th and 11th position in **GPAT 2019**. Out of these 6 students comes in top All India 100 GPAT list and over-all 25 in top 500 of All India GPAT list.

S. No.	Name of Student	S. No.	Name of Student
1	Aakash Gupta	33	Namrata Vashishth
2	Akash Bansal	34	Navneet Kaur
3	Akshay Kumar	35	Neha Chand
4	Aman Sharma	36	Nikita Jadhav
5	Amit Kumar	37	Nikita Verma
6	Anjali	38	Nisha Singh
7	Anushshree Mukherjee	39	Nishu Yadav
8	Archana	40	Pawan
9	Ashi	41	Pramod
10	Ashi Siddiqui	42	Prashant Kr Singh
11	Ashish Miglani	43	Prerna Kundra
12	Ashish Sharma	44	Renu Thakur
13	Asim	45	Ruchi
14	Chandan Saini	46	Sandeep
15	Darpan Mishra	47	Sanju Khan
16	Deepa	48	Santoshi Sahu
17	Deepak Kumar	49	Sanyam Nasa
18	Dheeraj	50	Shankar
19	Divya Kumari	51	Shivangini Pandey
20	Divya Wadhwa	52	Shivani
21	G. Aishwariya	53	Shivani Garg
22	Garima Bansal	54	Shivani Verma
23	Gayatri Khatri	55	Shweta Mittal
24	Himani	56	Simran Braya
25	Karan Ahuja	57	Smridi Khurana
26	Kirti	58	Subhash Kr Ojha
27	Kokila Chadha	59	Sweety
28	Lalit	60	Tanushree Dagar
29	M. Haider	61	Tanya Bhalla
30	Mayank Kr. Dhawan	62	Tripti Sharma
31	Mehak Rastogi	63	Tushar Aggarwal
32	Nadeem Saifi		

DIPSAR TOPPERS

D. Pharm.



Abhay Pathak (D.Pharm, Final Year)

B.Pharm.



Anushka Gupta (B.Pharm, Final Year)

M. Pharm.



Deepak Insa (P'ceutical Chemistry, II Sem.)

M. Pharm.



Neekita Sharma (P'Ceutics, II Sem.)

M. Pharm.



Varun (Clinical Research, II Sem.)

M. Pharm.



Ankita Kumar (Hospital Pharmacy, II Sem.)

M. Pharm.



Urgen Chodan (Quality Assurance, II Sem.)

M. Pharm.



Sumayya Halim (P'cology, II Sem.)

**UNIVERSITY DEPARTMENTS TOPPER
(SCHOOLS OF PHARMACEUTICAL SCIENCES, SCHOOL OF
PHYSIOTHERAPY AND SCHOOL OF ALLIED SCIENCES)**

B.Pharm.



Pawan Kr. Pandey (B.Pharm, Final Year)

B.P.T.



Shrishti Jain (B.P.T., Final Year)

M. Pharm.



Priyanka (Pharm. Biotechnology II Sem.)

M. Pharm.



Vandana (Industrial Pharmacy, II Sem.)

M. Pharm.



Kajal Jain (P'cognosy & Phyto. Chem., II Sem.)

M. Pharm.



Anjali Kapoor (DRA, II Sem.)

M. Pharm.



Manu Priya (Cosmeceutic, II Sem.)

M. Pharm.



Geeta Negi (Pharm Analysis, II Sem.)

**UNIVERSITY DEPARTMENTS TOPPER
(SCHOOLS OF PHARMACEUTICAL SCIENCES, SCHOOL OF
PHYSIOTHERAPY AND SCHOOL OF ALLIED SCIENCES)**

**M.P.H. (Master in
Public Health)**



Komal (II Sem.)

**M.H.M. (Master in Hospital
Management)**



Deepti Sharma (II Sem.)

**MBA (Pharmaceutical
Management)**



Nikhil Varshney (II Sem.)



FIRST CONVOCATION 2018



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

DPSRU

LEADERSHIP WITHOUT POWER AND POWER WITHOUT HIERARCHY



DELHI PHARMACEUTICAL SCIENCES AND RESEARCH UNIVERSITY

(Established under act 07 of 2008, Govt. of NCT of Delhi)

The First Pharmacy University Dedicated to the Pharmaceutical Sciences in India

DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH

(The Premier Pharmacy Institute, Constituent College of DPSRU)

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