

उपराज्यपाल
दिल्ली
LIEUTENANT GOVERNOR
DELHI



राज निवास
दिल्ली-११००५५
RAJ NIWAS
DELHI-110054



MESSAGE

I am pleased to learn that Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi is bringing out its Annual Report for the academic year 2017-2018. The university has emerged as one of the leading centres of learning in India that is devoted to teaching and research in Pharmaceutical Sciences.

India has an important position in the global pharmaceutical sector, Pharmaceutical Sciences are an important constituent of health care system and have seen several paradigm shifts in the last century. There is an acute need to develop professionals with multiple skills encapsulating hard core genomic sciences with technology and engineering, so that innovative pharmaceutical products can be developed that would help in eradicating diseases and providing healthy living.

I am sure the university will impart excellent training and skills to young students and professionals who would contribute to the expanding field of pharmaceutical sciences.

(Anil Baijal)

Prof. Shridhar Dwivedi

Chairman
Board of Governors
Delhi Pharmaceutical Sciences and Research University



MESSAGE

It is a matter of great pride and pleasure to learn that Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi is bringing out its Annual Report for current session in the form of PHARMANNUAL 2017-2018 highlighting its activities both academic and research, scope, thrust areas and future vision. Being the first of its kind in this region it owes a lot of responsibility to act as torch bearer in the pharmaceutical sciences. It is a matter of great satisfaction that it is moving in that direction in a planned way. Starting of an Incubation Centre, initiation of projects on Delhi Biodiversity Plants particularly useful for metabolic disorders, infectious diseases, Start Ups Programs, starting Skill Courses in various health fields linked with pharmaceutical sciences under the umbrella of School of Health Sciences and Organization of IASTAM -2018 speaks volume regarding this comparatively nascent fast growing University.

I am confident that with the concerted efforts of the entire faculty of DPSRU and DIPSAR, the constituent Institute of this University we should be able to achieve its objective of becoming a centre of excellence in Pharmaceutical Sciences and Allied Disciplines and producing high quality scientific talents to meet the fast growing pharmaceutical sector of our nation.



(SHRIDHAR DWIVEDI)

ARVIND KEJRIWAL
CHIEF MINISTER



GOVT. OF NATIONAL CAPITAL TERRITORY OF DELHI
DELHI SECRETARIAT, I.P. ESTATE, NEW DELHI-110022
Tel.: 23392020, 23392030

D.O.No.: F.1(a)/CMCO/2018/1832
Date: 25/04/2018.



MESSAGE

It gives me immense pleasure to know that the **Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi** is publishing its Annual Report for the year 2017-18.

It is also a matter of satisfaction that the University is contributing to the needs to Healthcare system, Pharmaceutical Industries, Research and Development and Pharma Education of the country, through its students, who come out successfully.

I am sure that this University report will represent the spirit, technical and literary talent hidden of the students and staff of the college to share their views.

I extend my best wishes for the successful publication of the Annual Report.

(Arvind Kejriwal)

MANISH SISODIA
मनीष सिसोदिया



DEPUTY CHIEF MINISTER
GOVT. OF NCT OF DELHI
उप मुख्यमंत्री, दिल्ली सरकार
DELHI SECTT. I.P. ESTATE
दिल्ली सचिवालय, आई.पी. एस्टेट,
NEW DELHI-110002
नई दिल्ली-110002
E-mail: msisodia.delhi@gov.in



D.O.No.: DYCM/2018/551
Date: 17/4/18

MESSAGE

It gives me immense pleasure to know that the Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi is publishing its Annual Report for the year 2017-18.

Annual Report are sources of inspiration for students and faculty to express their creativity. These act as springs for nurturing of talents and future growth.

This is the occasion for the staff / students to showcase their talent and contribute their might to make the University Annual Report more meaningful.

I take this opportunity to wish you all success in your endeavor, and wish to see the University as a center of Excellence in the near future.

(MANISH SISODIA)

सत्येंद्र जैन

Satyendar Jain

स्वास्थ्य, उद्योग, लोक निर्माण, ऊर्जा, गृह,
एवं शहरी विकास मंत्री

**Minister of Health, Industries, PWD,
Power, Home & Urban Development**



राष्ट्रीय राजधानी क्षेत्र, दिल्ली सरकार
Govt. of National Capital Territory of Delhi

'ए' विंग, सातवां तल, दिल्ली सचिवालय
'A' Wing 7th Level, Delhi Secretariat

आई.पी. एस्टेट, नई दिल्ली-110002

दूरभाष/Tele No.: 23392116, 23392117

फैक्स/Fax.: 23392044

E-Mail: moh.delhi@gov.in

D.O.No.: mimhealth/3192

Date: 27/04/2018



MESSAGE

I am happy to learn that Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi, the first University of India dedicated to Pharmaceutical Sciences, is publishing its Annual Report for the Academic year 2017-18, showcasing the academic and cultural talents of the students, faculty and staff.

My best wishes to the management, faculty, staff and students of the University on this happy occasion.

(Satyendar Jain)

PUNYA S SRIVASTAVA I.A.S
Principal Secretary



Government of NCT of Delhi
Department of Higher Education and
Training & Technical Education
Muni Maya Ram Marg, Near
T.V. Tower, Pitampura, DELHI-110088
Phone: 27322573, 27322948
Fax: 27325341

D.O.No.: PS/TTE/2018/185
Dated: 12.04.2018



MESSAGE

It gives me immense pleasure that **Delhi Pharmaceutical Sciences and Research University (DPSRU)**, New Delhi is bringing out the University's Annual Report. The Annual Report provides an excellent opportunity to know about various facets of the University and the achievements and ongoing initiatives.

It is heartening to learn about your institution and the service it has rendered in shaping lives of youngsters into gaining knowledge in the field of pharmaceutical sciences. I am happy to note that the University has well qualified and student friendly teachers who have made all the difference.

I have been closely watching the progress of DPSRU from its inception. The University has made steady progress.

My best wishes to the faculty, staff and students of DPSRU for success in all their endeavours.

(PUNYA S. SRIVASTAVA)

गरिमा गुप्ता, भा.प्र.से.
निदेशक (उच्च शिक्षा/प्रशिक्षण एवं तकनीकी शिक्षा)
GARIMA GUPTA, I.A.S.
Director (Higher Education & TTE)



उच्च शिक्षा निदेशालय
राष्ट्रीय राजधानी क्षेत्र, दिल्ली सरकार
'बी' विंग 5, शाम नाथ मार्ग, दिल्ली-110054
Directorate of Higher Education
Government of NCT of Delhi
'B' Wind 5, Sham Nath Marg, Delhi-110054
Ph.: 011-23930516, Fax: 011-23930517
आ.श. पत्र सं.
D.O.No.:
दिनांक
Date: 11th May 2018



MESSAGE

Delhi Pharmaceutical Sciences and Research University (DPSRU) aims at providing young students with quality education and training. On this instance I would like to remind you about the mission and vision of our college. We aim to train the youth to be the leaders of tomorrow with apt skills, deep rooted sense of social responsibility, strong ethical values and with a global outlook to face the challenges of the changing world. Our vision is with a high caliber faculty and an excellent infrastructure; we promote academic excellence, absolute discipline and sound practical exposure.

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

I wish all of you good luck. May Almighty God shower His blessings upon you.

(Garima Gupta)
DIRECTOR (TTE)

OFFICE OF THE ADDITIONAL DIRECTOR
DIRECTORATE OF TRAINING & TECHNICAL EDUCATION
GOVT. OF NCT OF DELHI
MUNI MAYA RAM MARG, PITAMPURA, DELHI

PA/Addl. Director/117

Dated: 09/05/2018

Addl. Director DTTE



MESSAGE

Education in the largest sense is any act of experience that has a formative effect on the mind, character or physical ability of an individual.

I appreciate the efforts and hard work of the faculty and students of the **Delhi Pharmaceutical Sciences and Research University (DPSRU)**, New Delhi concerned in bringing out the Annual Report.

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



(VIVEK KUMAR TRIPATHI)



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 - 110017



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

Founder 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

MESSAGE



It gives me immense pleasure to write a message for Annual Report of Delhi Pharmaceutical Sciences and Research University, is being published for the academic year 2017-18

I am glad that my dream of opening of the first Pharmaceutical Sciences & Research University has been fulfilled. A history has been created after founding the university, Delhi government gave me opportunity to serve me 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 health sciences. I found that my success for the university has been marked with the approval of PCI (increased in seats 60 to 100 in DIPSAR), 60 seats in DPSR University & UGC recognition of the university. However, progressive success has been marked with Pharmacy, Physiotherapy, Hospital Management, Hospital Administration an MBA during 2015-16.

The University would continue to produce best pharmaceutical professionals for the service of nation and promote research and development in the field of pharmaceutical and in the sector of allied health sciences. The progress of the University in last two years has been incredibly good as can be seen from the activities and achievements of the students and staff members. I am looking forward blissful products / Services from the University in future. It will show further progress. I have handed the shining candle to my successor Prof. Ramesh K Goyal. I wish them all success.

My warm wishes to all students, faculty and staff members of the University for success in their career and goal set in their life.

(Prof. (Dr.) S. S. Agrawal)

National Research Professor of Pharmacology
Founder Vice Chancellor
Founder of the DPSR University



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
Dept. of Pharmacology, AIIMS
Director General
Institute of Clinical Research, India



MESSAGE

It gives me immense pleasure to note that DPSRU is bringing out Pharma annual for the year 2017-2018 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 extent my best wishes to the Faculty, Students and Staff members for the success in their career and goals and for publication of Annual Reports.

(Prof. S. K. Gupta)
Head Department of Clinical Research
President of ISPOR (India)

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Prof. Ramesh K. Goyal

Chief Editors



Prof. Raman Dang



Prof. D.P. Pathak

Editors



Dr. Meenakshi K. Chauhan



Dr. Ajit Kumar Thakur

Contributors

Prof. Sharad R. Wakode	Dr. Rajiv Kumar Tonk	Dr. Geeta Aggarwal
Ms. Manju Vyas	Dr. Sushama Talegaonkar	Dr. J. Swaminathan
Dr. Rajani Mathur	Dr. Mukesh Nandave	Dr. Madhu Gupta
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From the Vice Chancellor's Desk



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

In last one century, while passing through paradigm shifts in terms of practice and strategies, the profession of pharmacy has opened several vistas in the health care system. Starting with use of herbals and then to chemicals in the treatment of diseases the domain of pharmacy got expanded from mere therapeutics to cosmetics and nutraceuticals. The advent of molecular modeling in chemistry and understanding of cellular and molecular mechanisms of action of drugs, there was emergence of genomics, proteomics and metabolomics in the new drug discovery strategies. The concept of pharmacovigilance that started with simply with adverse drug reaction reporting became a source of “data bank” in medical science for identification of novel biomarker drug targets and genomic based understanding of diseases/processes. The practice of

clinical pharmacy that started in 1960's in USA, became vibrant and wide spread in many countries giving rise to yet another branch pharmacoeconomics and outcome research. The forensic pharmacy wherein there were simple rules of manufacturing and dispensing of medicine, is now a “regulatory science” by itself. Medical devices, plasma therapy, DNA vaccine development, molecular and genomic diagnostics, telepharmacy, ambulatory pharmaceuticals care are some of the newer emerging area that has come under the umbrella of pharmacy. Under these circumstances, education in pharmacy cannot remain in a simple institution. Profession of pharmacy is multidisciplinary and to keep pace with the developments and to provide effective means of health care to the society, having the University of Pharmacy is highly justifiable.

I am happy to mention that after establishment of the first University of Pharmacy in India, we not only added numbers to UG and PG courses but also brought in diversity in pharmacy through introduction of Physiotherapy (B.P.T.), Sports Pharmacy (B.Sc.), Public Health (M.P.H.) Hospital Management (M.H.M.), Pharmaceutical Management (M.B.A.), Biotechnology Industrial Pharmacy, Cosmetics and Drug Regulatory Affairs (M. Pharm courses in various disciplines). We got geared up to start PG Diploma in Clinical Research in collaboration with Apollo Hospital Education Foundation, PG Diploma in Biopharmaceuticals and PG Diploma in Pharmacovigilance and Outcome Research. In addition, with Directorate of Technical Education, Govt. of NCT Delhi, we are coming up with 4 skill based courses: Beauty and Wellness Consultant, Patient Health Care Consultant, Sports Fitness and Exercise Application and Sports Event management.

During 2017-18, a vibrancy was felt in the campus because of organization of several events like the International Conference on Herbal drugs being inaugurated by Hon. Chancellor & Lt. Governor Shri Anil Baijal, 4 workshops, 3 seminars, 17 guest lectures that provided an interactive learning to the students. Recognition of our University by AICTE, PCI and DCPOI for various courses was another milestone this year. Successful starting of incubator Center (DPSRU Incubation and Innovation Foundation) by worthy hands of Dy. CM Shri Manish Sisodia, entry of 9 start ups with over 20 lined up, is yet another landmark in the University. MoUs were signed with not only hospitals and research institutions of India but also International Universities (Stavropol Medical University, Russia and San Malaysian University Malaysia) and International companies like PSS, USA.

We signed MoUs for various academic programs with research institutions of National Importance like Translational Health Sciences and Technology Institute, Faridabad, Institute of Nuclear Medicine and Allied Sciences (INMAS), Defense Research and Development Organization (DRDO), Delhi, National Institute of Pharmaceutical Education and research (NIPER), Rae-Bareilly, Lloyd Institute of Pharmacy, Greater Noida. CL Educate and Indian Pharmaceutical Association, Delhi Branch.

This year we inducted ten new regular faculties, Registrar, OSD to VC, 2 Assistant Registrars and 6 other non-teaching staff members. Faculty Members during their first year have put up their best through their excellence in research as depicted from the number of publications (over 200 from just 23 regular staff with 2 patents filed), and awards (47 awards to these faculty). This has brought a good networking of industries and thereby good placements. To have effective administration on academics and research, along with close monitoring, the university holds regular meeting of Academic Council, Finance Committee and Board of Governors. In addition to academic activities, 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 Vasant Panchmi, Lohri, etc.

I express my gratitude to mentors of the university and thank teaching and non-teaching staff and alumni for their constant support. I welcome on behalf of DPSRU, to visit our University.

Editorial

Prof. Raman Dang & Prof. D.P. Pathak

It is always a pride to be first in any race. First Pharmacy University is a benchmark for all of us. We have challenges to achieve and give the best in terms of Skill, Employability, Teaching Learning, Research, Collaborations, Procurement of Grants and set standards of excellence. Delhi Pharmaceutical Sciences and Research University with its constituent college DIPSAR is heading to meet the global standards. The team under the stewardship of Hon. Vice Chancellor is creating paths to set standards and make a point to all concerned that it is a must to have Pharmacy University in every state of India and Internationally.

Education provides quality Information and knowledge to the students. An educational climate will exist where diversity and individuality are celebrated and respected. Where all teachers accept and meet the challenge of enhancing the learning of all students.

The education programme needs to:

- Integrate modern learning technology and pedagogy to create liberal education adequate for the contemporary world;
- Integrate work and learning, service and reflection;
- Recognize the importance of global interdependence;
- Invest in languages and cross-cultural competence;

Strategic Goals

1. To provide learning to continuing educators over the career span
2. To gather data, undertake research, and

disseminate analyses and information

3. To be an advocate for government policies, laws, and regulations that advance and enhance continuing higher education opportunities
4. To support professional networks, promote diversity, and foster the exchange of resources

The educational vision is first and foremost. The following visions are critical components to make the primary vision a reality.

1. To be the leading University in the country by redefining the standards of education To be recognized for an educational program that fosters artistic expression, professional skills, intellectual capacity and conceptual development, and integrate these elements within the educational program, and for its alumni who are the leaders in their professions.
2. To be a major contributor to the thinking within the fields of Pharmacy and allied sciences.
3. To be an institution with the fiscal stability, facilities, and resources required to achieve the above goals.

Strengths, Weaknesses, Opportunities and Threats (SWOT) Analysis of Education System in India:

A) Weaknesses Identified:

1. Abundance of un-nurtured talent.
2. Lack of timely and easy availability of knowledge resources to all.
3. Opportunities lost because of

difficult access to information and guidance.

4. Mismatch between demand and supply of knowledge and skills
5. Lack of collaborative learning
6. Questionable quality of teaching at various places
7. Non-standardized testing
8. The lack of a legal framework that links the qualification and certification framework to the prescribed requirements for the job and a regular performance appraisal of those who prepare the content and of those who deliver and teach it.
9. The growing digital divide
10. A lack of personalized monitoring and long term tracking of growth and enhancement in learning, skill and performance.
11. A very low percentage of digital literacy
12. Lack of encouragement to excel
13. A lack of access devices to digitally bypass shortcomings of Institutions and teachers

B) Inherent Strengths: On the other hand, we have the following inherent strengths:

1. A large human resources of high intellectual caliber
2. A large number of expert faculty in almost every field
3. A growing middle class with a high priority for education
4. A number of world class institutions of learning and research

5. Technological and Communication backbone to take their advantage in the field of knowledge empowerment of the mass of learners.

C) Opportunities on the horizon:

1. A high growth in mobile density
2. Availability of EduSAT
3. The abundance of knowledge on the internet
4. Knowledge enhancement at any age, any place, any time, any direction.

D) Threats looming large:

1. A growing knowledge divide may soon endanger the fabric of social harmony
2. Other countries, managing their educational infrastructure well, may provide initial lead to their children which might get multiplied as the time progresses
3. If delayed, other countries may wrest the IT based initiatives from us.

The University is flooded with these existing thoughts and challenges. We want to be the best and set an example for all to relate. The 2017-18 has been an eventful year and we achieved all our targets in terms of strengthening the Education system and Growth.

Pharmannual is an initiative of the University to give an insight at all levels, Elevate the standards and report to improve. The year-round activities from Academics to Collaborations, all are highlighted in this depictive tool. Request the readers to give their critical view. It will help us improve and grow further.

Delhi Pharmaceutical Sciences And Research University – At A Glance

UNIVERSITY PROFILE

Delhi Pharmaceutical Sciences and Research University (DPSRU), is the First Pharmacy University of India, established by an Act 7 of 2008 of State Legislature of Delhi as a State University. It became functional from 2015-2016. The University is recognized by UGC under section 2f. Life Sciences Sector Skill Development Council (LSSSDC) declared Delhi Pharmaceutical Sciences and Research University as accredited vocational training partner year. NBA has accredited D. Pharm., B. Pharm. and M. Pharm. (Pharmacology year/term) at DIPSAR, the constituent college of the University.

The Delhi Institute of Pharmaceutical Sciences and Research 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' (DIPSAR) 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.

DPSRU is currently a non-affiliating University offering UG and PG programmes of various disciplines of pharmacy and allied sciences like Physiotherapy, Hospital Management and Public Health. Although, DPSRU is just three-year-old University, started in 2015, it has strong legacy of 53 years i.e. College of Pharmacy started in 1964, upgraded to research institute in 2004, Delhi Institute of Pharmaceutical Sciences and Research popularly known as DIPSAR with centre of excellence for research and amongst the first series of Quality Improvement Programme (QIP) centers of All India Council for Technical Education since 1998. DIPSAR conducted four QIP programmes in 2017-18. 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 2017-18. From 2017-18, new courses of M.Pharm. start in Industrial Pharmacy, Cosmeceutics, Pharmaceutical Biotechnology and Pharmaceutical Analysis. Other new courses viz. Sports Pharmacy and Management Skills program as well as Certificate Courses in Yoga have been started from 2017-18.

The University in 2017-18 with its constituent college DIPSAR organized one International conference, several workshops on topics like IPR, incubation and innovations, several Expert talk and Guest lecture by eminent personalities from India, USA, Canada, Germany, Australia, etc. To expand horizons and promote research activities the University entered into Memorandum of Understanding with Dabur foundations, Indian Pharmacopoeia Commission

(IPC), Indian Renewable Energy Development Agency (IREDA), Sports Infrastructure & Talent Development Society (SITDS), International Centre for Medical Education and Research (ICMER), V ClinBio Lab, and Particle Sizing System US. To have effective administration on academics and research, along with close monitoring, the University holds regular meeting of Academic Council, Finance Committee and Board of Governors. The University

MILESTONES

2018
 WCSC
 PG Course in Sports
 PG Course in Ayurved Pharmacy
 Inception & Commencement of Professional Courses in association with Biocon & Apollo group of Hospitals

2016
 B. Pharma
 M. Pharma 8 Subjects
 1. Pharmacology
 2. Pharmaceutics
 3. Pharmaceutical Chemistry
 4. Pharmacognosy & Phytochemistry
 5. Clinical Research
 6. Quality Assurance
 7. Drug Regulatory Affairs
 8. Pharmaceutical MBA

2017
 M. Pharma in Pharmaceutical Biotechnology
 Cosmeceutics
 Industrial Pharmacy
 B. Sc. (Sports Pharmacy)
 DIIF

2008
 Enacted as Delhi Pharmaceutical Sciences and Research University (DPSRU) on 11th September 2008

2015
 Admission started in DPSRU on August, 2015 in various courses in Pharmacy and Physiotherapy

2004
 Upgraded to Delhi Institute of Pharmaceutical Sciences and Research (DIPSAR)

1979
 Moved to its Present Location at Pushp Vihar

1972
 Converted into College of Pharmacy and transferred to PUSA Polytechnic building under Delhi University with induction of B. Pharmacy course

1964
 Founded as Department of Pharmacy with a DIPLOMA in Pharmacy course at Kashmiri Gate Polytechnic

has also started “Incubation Center” to roll out startups.

In addition to academics, various extra curricular activities were organized within and outside the campus of the University, some of such activities include celebrations of Lohri, Makar Sankranti, 69th Republic Day, National Voter’s Day, Vasant Panchmi, Annual Sports Day and National Science Day. The University has developed a reasonably good infrastructure in the form of classrooms, labs, library, playgrounds, guest house, faculty house, hostels, etc to provide quality education to students. Having around 1000 students and around 150 staff members. It has been developed as State of Art, well equipped Centre of Excellence and is producing top class pharmaceutical scientists, pharmacists, health professionals thereby significantly contributing towards the development of World and India in particular.

VISION

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.

MISSION

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

OBJECTIVES

- To provide infrastructure and research facilities to disseminate the advanced knowledge to the students in various branches of 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.



Infrastructure & Facilities

Prof. Sharad R. Wakode and Dr. Jaseela Majeed

Delhi Pharmaceutical Sciences and Research University (DPSRU), the first Pharmacy University of India, and perhaps second in the world dedicated to the profession of pharmacy has an infrastructure which is dynamic in nature. The infrastructure and facilities at DPSRU provides access to high-quality, affordable pharmacy education that advances knowledge and helps the students get the best environment to pursue their dreams. The University campus is spread over an area of 10.3 acres having around 1200 students and around 150 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 following units:

1. Delhi Institute of Pharmaceutical Sciences and Research (DIPSAR)
2. School of Pharmaceutical Sciences
3. School of Allied Health Sciences
4. School of Physiotherapy
5. Academy for Sports Sciences Research and Management (ASSRM)
6. DPSRU Innovation & Incubation Foundation (DIIF)
7. Yoga and Fitness Centre

Apart from D. Pharm. and B. Pharm the University runs M.Pharm with twelve disciplinary areas (Cosmeceutics, Drug Regulatory Affairs, Pharmaceutical Analysis, Industrial Pharmacy, Pharmaceutical Biotechnology, Pharmacognosy, Quality Assurance, Hospital Pharmacy, Pharmacology,



Pharmaceutics, Pharmaceutical Chemistry, Clinical Research) and MBA (Pharmaceutical Management); MPH (Master of Public Health); MHM (Master of Hospital Management) programmes and conduct research to cater various sectors of health industry.

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 audiovisual facilities which give the right ambience for the teacher and the taught. All blocks are equipped with fire fighting solutions. All classrooms and utility areas are provided with power backup.



DEPARTMENTS, RESEARCH AND INSTRUMENTATION FACILITIES

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

Department of Pharmaceutics

The Department of Pharmaceutics has five MPharm specializations viz., Pharmaceutics, Hospital Pharmacy, Cosmeceutics, Industrial Pharmacy and Drug Regulatory Affairs. The relatively new branches like Cosmeceutics, Industrial Pharmacy and Drug Regulatory Affairs are designed to prepare the students for a career in pharmaceutical and cosmetic industries, clinical research organizations and regulatory agencies. The department is equipped with the state-of-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 to mention a few:

- High pressure Homogenizer
- Inverted Microscope
- Stability Chamber
- Ultrasonicator
- Zetasizer

- UV - Visible Spectrophotometer
- HPLC
- Backman Coulter Counter
- Dissolution Apparatus
- Fermenter
- Rotary
- Deep Freezer (-80°C)
- Lyophilizer
- Vortex Mixer
- Homogenizer
- BOD Incubator Shaker
- Capsule filling machine
- Rotary Tablet Punching Machine
- Uttna micro weighing balance



Department of Pharmacology

The Department of Pharmacology has three specializations in MPharm viz., Pharmacology, Clinical Research and Pharmaceutical Biotechnology. 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 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:

- ELISA Reader
- Western blotting Apparatus
- Lyophilizer
- HPLC
- Actophotometer
- Analgesiometer
- Semi Auto analyzer
- Legendorff Assembly
- Deep Freezer
- Condon's Rat Manometer
- Response Apparatus
- UV Visible Spectrophotometer
- Legendorff Assembly

- Digital Plethysmometer
- Fundus Camera
- Short Wave Diathermy

Department of Pharmaceutical Chemistry

Pharmaceutical Chemistry Department 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. Emphasize is also given for Validation and Analytical method development of 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 various disciplines of M.Pharm. under this department include Pharmaceutical Chemistry, Quality Assurance and Pharmaceutical Analysis which 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 Reflection (ATR)
- UV-Visible Spectrophotometer
- Flame Photometer
- Rotary Evaporator: Rotavac
- Parallel Synthesizer (6 Plus Reaction Station)
- Supercritical Fluid Extraction (SFE)
- Microwave Synthesizer
- Refractometer

Department of Pharmacognosy and Phytochemistry

Pharmacognosy subject is one of the core branches in the pharmacy curriculum and Department of Pharmacognosy 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 equipments.

- HPTLC
- Rota vapour
- Soxhlet apparatus
- Microscope

- Muffle Furnace
- Autoclave
- UV-Visible Spectrophotometer
- BOD Incubator
- Trinocular Microscope
- Micro Centrifuge
- Column Chromatography
- Detection Chamber

CENTRAL INSTRUMENTATION LABORATORY

The Central Instrumentation laboratory has a complement of various sophisticated instruments and facilities to promote interdisciplinary research. The facility cater 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 fountain head of knowledge, well stocked and 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. with a reading area of 2000 sq. ft and a stacking area of 2400 sq. ft. 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 around 8 International Journals and 23 National Journals. 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. Recently it served as the venue for the International Conference hosted by the University.

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 excellent state-of-the-art computing facilities exists at Information Technology Center 1 and 2 for UG and PG students respectively with more than 100 computers to cater to needs of students. The information technology centre is well equipped with



advanced computers (PG lab is equipped with i7 1TB) 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. These centres also provide a variety of services to the students in literature search, computation and graphics. The software available: Windows, Norton Antivirus, server OS 2004.

Installation of 40 MBps WiFi of entire DPSRU campus has been completed. Information technology centres provide 24x7 access to internet through 10 Mbps leaseline and networking at DIPSAR through ERNET via MTNL as ISP. 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. The peripheral support includes, laser Printers, color printer copier scanners, CD-Writers, etc. Troubleshooting support is also being provided in resolving network and hardware related problems, along with software support for beginners.

ANIMAL HOUSE

The researchers at the university 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.



ACADEMY FOR SPORTS SCIENCES RESEARCH AND MANAGEMENT (ASSRM)

ASSRM under the DPSRU is running a three year Degree course (B.Sc Sports \Science) in seventh floor of the University building, aimed on the application of Sports Sciences on Athletes. The infrastructure for the department include a multipurpose Sports ground, Swimming Pool and upcoming Sports fitness studio, Sports Biomechanics Laboratory and Human Performance Laboratory apart from modern classrooms to provide a platform for dynamic and focused discussions.



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.

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 ongoing 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.

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 poses the Indoor facilities viz: table tennis, chess, Carrom. The multipurpose sports ground of the University is at 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.

Other Facilities

India International Hospitality Centre (IIHC)

A guest house is situated inside the



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

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

SBI ATM at University Campus

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

Security Service: The Campus has a 24 Hours Security Service.

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.

Hostels for boys & girls : Students have exclusive hostels for boys and girls with spacious, comfortable, well-furnished rooms and a 24-hour power backup and security system. A fully air conditioned study hall and an IT room is in the pipeline.



Departmental Information

DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH

- To project DIPSAR on the global map of pharmaceutical education by imparting quality pharmaceutical education at doctoral, masters, degree and diploma levels.
- To produce expert Pharmaceutical Scientists to cater the global need in the research areas of Drug Discovery, Drug Development, Quality Assurance of drugs and dosage forms, Regulatory Affairs, etc.
- To produce technically skilled Industrial Pharmacists for meeting the constantly evolving challenges of pharmaceutical industry.
- To produce competent and empathetic Community Pharmacists for serving the ailing community.
- To conduct research on discovery and delivery of therapeutic agents in national thrust areas like clinical research, development of drugs for ocular diseases, cancer, hepatoprotection, diabetes and associated complications, inflammation and microbial infections.
- To synthesize novel potential drug candidates for addressing different diseases.
- To develop analytical methods for

ensuring the quality of drugs and dosage forms.

- To develop novel drug delivery systems like spanlastics, nanoparticles, thermo-sensitive in-situ ocular gels, drug loaded scaffold systems for topical drug delivery, transferosomes, protein/peptide drug delivery systems, etc.
- To standardize, isolate and characterize active principle(s) of herbal origin.
- To upgrade skills and qualification of Pharmacy College teachers across the country, under QIP scheme of AICTE, Govt. of India.
- To synthesize novel potential drug candidates for addressing different diseases.

Vision

- As pharmacy is the backbone of healthcare sector, Delhi Institute of Pharmaceutical Sciences and Research (DIPSAR) has a vision of serving the society by producing quality pharmacists at various levels.
- To provide ample guidance and extensive training with interdisciplinary approach to the students by highly experienced faculty.
- To promote academia-industry interaction for producing theoretically and practically sound Pharmaceutical

Scientists, entrepreneurs and future pharmacy leaders.

- To mentor 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 2017-18.
- The Institute has procured 60 computers of latest configuration (i7 it with 1 TB data storage).
- DIPSAR is the nodal center for coordinating the masters and doctoral admissions under the scheme “Quality Improvement Program” of AICTE for pharmacy teachers from all over India.
- DIPSAR has been chosen as a center for imparting the masters and doctoral education under the QIP scheme of AICTE for pharmacy teachers.
- DIPSAR is the center 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’s during the months of February, March, and April 2018.
- Keeping in-tune with India’s National Sanitation and Hygiene program, DIPSAR has installed two sanitary napkin vending machines and incinerators at the institute and hostel premises, for the convenience of female students.

- With the objective of continuing education and for updating knowledge, guest lectures of various erudite, speakers in diverse areas of research were organized at DIPSAR, throughout the academic year 2017-18 for the benefit of post-graduate students, doctoral students and faculty members.
- With the objective of industrial exposure of aspects practical visit of post-graduates 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 PHARMACETUTICAL SCIENCES

Department of Pharmacology - Pharmaceutical Biotechnology

The Department of Pharmacology at the Delhi Pharmaceutical Sciences and Research University (DPSRU) is engaged in research in the area of antifertility, oncology, cosmotovigilance and herbogvigilance, neurosciences (depression, Alzheimer’s disease, Parkinson’s disease), cardiovascular sciences (myocardial infarction, angina, heart failure, hypertension), metabolic disorders (diabetes, PCOS), cancer, and inflammatory disorders such as psoriasis and multiple sclerosis.

Our vision is to develop the pharmacology department as the recognized and distinguished unit in the field of pharmacology in and outside India by providing excellent teaching and conducting breakthrough research in health sciences.

Future Activities

The Department of Pharmacology at the Delhi Pharmaceutical Sciences and Research University (DPSRU) is committed

1. to promote interdisciplinary research through government and pharma industry funding.
2. 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.
3. to start value added courses in clinical research, pharmacovigilance, and biopharmaceuticals in collaborations with Indian Pharmacopoeia Commission, Apollo Hospitals, Biocon etc.

Department of Pharmaceutics

Industrial Pharmacy

M. Pharm. course in Industrial Pharmacy has been started from year 2017 in the Center of Pharmaceutics of Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi. Prof. Harvinder Popli, Dr. Sushama Talegaonkar, Dr. Keerti Jain are teaching and guiding students in regard of Research work in Industrial Pharmacy in regular capacity. Further experienced and skilled guest faculty with high industrial and teaching experience are also guiding the students of Industrial Pharmacy in order to provide a good insight of Pharma industry. Presently department is focusing on development of some various novel products like Nanoformulations like Nanoplexes, Nanotubes Nanospray Nanovesicular systems for various diseases like cancer, Psoriasis, Neurological disorders and

development of Nanobiomaterials having commercial viability

The aim of this course is to trained students in manufacturing, development, marketing and distribution of various drug products while also ensuring the quality assurance in order to improve overall health care system through innovation and leadership in Pharmacy education and Research. While doing this course student will also get an exposure for patent writing, Material Management and various analytical techniques required to evaluate dosage form. This course addresses the knowledge of regulatory aspects of pharmaceutical industry with various guidelines and quality systems and provides comprehensive knowledge of engineering services and warehousing systems of pharmaceutical plant.

On completion of this course the student will get the thorough knowledge and complete understanding of concept, design and evaluation of various customized, sustained and controlled release dosage forms, routine of Industrial activities in R&D and F&D., scale up, technology transfer process and industrial safety issues. Regulatory Audit process, regulatory guidelines for drug and drug products and entrepreneurship management.

Future Plan

- Establishment of 'Centre of Excellence' for Nanoscience and Nanotechnology
- Establishment of Scale up Technology Lab for commercialization of products
- Set up of Quality Assurance lab for various novel drug delivery systems
- Building up current areas of strength by forming small collaborative units

and establish 1 interdisciplinary biomedical research Centre at DPSRU

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

Drug Regulatory Affairs

A regulatory affair is important but at the same time most dynamic job area in the healthcare industry. Each new case, new invention, new process and new need marks the change of some old regulation and even advent of some new ones. The category wise description is huge, taking into glance the product divisions, manufacturing processes, techniques and activities involved in healthcare product manufacturing and each category has a set of individual regulations to abide by along with the common rules, applicable to all classes of products and industries.

In this scenario, the demand is always there for professionals who can help companies ensure compliance with applicable laws and regulations in the development and commercialization of new drugs and healthcare products. M. Pharm. in Regulatory Affairs at DPSRU prepares students to be masters in the field of global regulatory affairs, and enables existing regulatory affairs professionals to refine and update their knowledge of global regulatory affairs

statutes and practices. It does the same by familiarising the students to the basics of the industry, history of regulations and regulatory bodies, on-going trends and guidelines for the varied sectors of the industry (drugs, food, beverages, biotech, cosmetics etc.), change susceptible areas, compliance rules, inter-state deviations in rules and challenges of the industry. The masters in regulatory affairs program enable the students to create the educational experience that best meets their career and life goals.

After completion of the course, student is expected to have in-depth knowledge and understanding of concept of generic drug and innovator, drug discovery and development, Regulatory strategy, approval process of all regulatory filings in various countries, filing process of IND, NDA and ANDA, IMPD, and Investigator Brochure (IB), DMF, US Hatch-Waxmn Act and code of federal regulations (CFR), US registration for foreign drugs, Europe IMPD, marketing authorization application (MAA), Centralized procedure, bio equivalence and drug product assessment-in vivo, Manufacturing and Controls (CMC) and their regulatory importance, Submission of global documents (CTD/eCTD), Filing process in India-IND, NDA, Clinical trials (Schedule Y) etc.

Department of Pharmacognosy and Phytochemistry

The department of pharmacognosy and phytochemistry was established in the year 2015. The strength of the department lies in its modern labs, museum, Isolation and characterization lab, plant tissue culture lab, plant drug standardization lab and analytical instrumentation facility.

The department is involved in research in the field of discovery and development

of herbal drugs, phytopharmaceuticals; method development, validation standardization and quality control for estimation of analytical markers in plants; studies on herbal cosmetics; herbal drugs patenting are the focused key areas of the department.

The department recently organized one international conference on “challenges for global competitiveness of AYUSH and natural products” & IASTAM oration and award function 2018” at Delhi Pharmaceutical Sciences and Research University (DPSRU) jointly in collaboration with the International Association for the Study of Traditional Asian Medicines (IASTAM).

Future Plan

- Establishment of ‘Centre of Excellence’ for Natural and AYUSH Products in the University.
- Development of Post Graduate Degree and Diploma Courses to provide Teachers required strengthening courses with respect to pharmacy in BAMS, BHMS & BUMS.
- 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.

Department of Pharmaceutical Chemistry

The department of Pharmaceutical chemistry has been effectively involved in designing, synthesis, identification, developing and analyzing New

Chemical Entity (NCE). This study helps to understand mechanism of action of drug at molecular level. Modern approach like quantitative structure activity relationship, computer aided drug design, High performance liquid chromatography, UV spectroscopy, Infrared spectroscopy, Nuclear Magnetic Resonance spectroscopy etc. are used to study the chemical nature of drugs. There are well equipped laboratories for undergraduate students and research labs for postgraduate and Ph. D students.

The Pharmaceutical chemistry department aims to prove that this department is a nurturing ground for pharmaceutical professionals via developing highly competent, skilful, Medicinal, Analytical Chemist and Pharmacist with ample scientific approach.

Future Plan

The mission of our department is to give the students (undergraduate and postgraduate) a wide and diverse scientific background, and a rewarding and challenging program of study. Areas of active interest include drug design & discovery, organic synthesis of medicinal and pharmaceutical agents, chemistry of natural and synthetic products, Quantitative structure-activity relationship, molecular modelling and many other related topics related to pharmaceutical chemistry.

Recent Developments

- Last year we have introduced a new two year M. Pharm. Course in Pharmaceutical Analysis. to educate the students about drug analysis and their safety parameters.
- Recently we have added new instruments i.e. Flame Photometer

and UV Spectrophotometer in Central Instrumental Lab of our Department.

Department of Hospital Management

The Master of Health Management program prepares a diverse group of early careerists to become future managers and leaders within healthcare provider organizations and consulting firms who are committed to improving the delivery of health services in India. Students obtain this training through an accelerated, three semesters didactic curriculum followed by a career building, 6 months administrative training and internship.

The program's vision is for its graduates to provide leadership and improve healthcare.

Program values

- Excellence – Valuing excellence means setting the highest standards for our students, faculty and program. To that end, we encourage and acknowledge achievement and accountability.
- Professionalism – Personal integrity, ethical behaviour, service, and professional development are integral to the success of our students.
- Collaboration – Cooperation, respect and being part of a team are central to our classroom and program activities.
- Diversity – Valuing different backgrounds, perspectives, and approaches combine to create optimal learning experiences for our students and faculty.
- Lifelong Learning – A commitment to lifelong learning is essential in order to continuously develop the

knowledge, skills and understanding required by the dynamic and changing health care sector.

Department of Public Health

The mission of Master in Public Health program is to educate and train a cadre of public health practitioners to employ community-based research methods to deal with health disparities and leading the way to optimal health by empowering people and communities. The unique contribution of the Program is to produce leaders and practitioners who will contribute to reshaping the ethics and practice of public health by grounding research, policy and program implementation related to urban minority and underserved populations in the fundamental principles of cultural competence and social justice.

The program's vision is to prepare leaders who work for the rural communities, urban minorities and underserved populations to address public health issues, to eliminate health inequalities and improve health outcomes.

Program values

- Excellence - in research, service and instruction.
- Passion - for improving the health of urban as well as rural communities and underserved populations.
- Responsibility - for promoting health equity and eliminating health disparities in rural communities and underserved populations.
- Commitment- towards community involvement and to develop ourselves as a "Learning Organization.
- Collaboration - with for problem solving

Department of Pharmaceuticals Management

The mission of is to equip students with skill-based, practical business management knowledge and analytical skills and develop their capacity to lead domestic and global pharmaceutical industry through adaptability, innovation and creativity.

The objective of MBA Pharmaceuticals Management course is to develop students, over the period of two years, by rigorous field work and academics, for managerial positions in the Pharmaceutical Industry.

Our vision is to create a world class institute of teaching and research in the field of Pharmaceutical Sciences & Management.

Program values

- Commitment - to provide a learning environment that embraces diversity, inclusiveness, equity and respect
- Development - of creativity and motivation that drives the students towards inculcating professionalism.
- Responsibility -to impart quality education for the assimilation of positive Attitude, Skill and Knowledge and to promote critical thinking and continuous quality improvement
- Support - national and international collaboration in Pharmaceutical Sciences & Management.
- Enthusiasm - to develop management professionals for managing dynamic business environment.

SCHOOL OF PHYSIOTHERAPY

School of Physiotherapy as a futuristic sees its students, to inspire others throughout society together, create systems that optimize movement and function for all people. The principles of Identity, Quality, Collaboration, Value, Innovation, Consumer-centricity, and Equity, demonstrate how the profession and society will look when this vision is achieved. To teach the students that how this profession will offer creative and proactive solutions to enhance health services delivery and to increase the value of physiotherapy to society. The complex needs of society, such as those resulting from a sedentary lifestyle, beckon for the physical therapy profession to engage with consumers to reduce preventable health care costs and overcome barriers to participation in society to ensure the successful existence of society far into the future.

Mission is to create the partnership in students with community to empower the lives by providing quality patient care, promoting patient rights, embracing advanced technology and drawing on the collective strength of our professional colleagues. To use and polish their creative and innovative ideas as innovation may occur in many settings and dimensions, including health care delivery models, practice patterns, education, research and the development of patient procedures and devices and new technology applications. In clinical practice, collaboration with developers, engineers, and social entrepreneurs will capitalize on the technological savvy of the consumer and extend the reach of the physiotherapist beyond traditional patient therapist settings. Innovation in education will enhance inter professional learning, address workforce needs, respond to declining higher education

funding, and, anticipating the changing way adults learn, foster new educational models and delivery methods. In research, innovation will advance knowledge about the profession, apply new knowledge in such areas as genetics and engineering, and lead to new possibilities related to movement and function. New models of research and enhanced approaches to the translation of evidence will more expediently put these discoveries and other new information into the hands and minds to make them good clinicians and educators

Recent Developments

School of Physiotherapy recently developed its neuro-pediatric centre for teaching as well as serving to society also and planning to develop its first Human Performance lab very shortly for the research purpose and ultimately will be serving to mankind. The institute has signed MoU with many reputed and renowned Hospitals and research centers and further a tie up is to be occurred with DGHS so as to provide the training to students under Govt. Hospitals so as to gain maximum exposure.

ACADEMY OF SPORTS SCIENCES RESEARCH & MANAGEMENT

Department of Sports Science

The Department of Sports Science (with Sports Pharmacy as one of its major specialization) has been expanded by allotting the entire accommodation of 7th Floor (with modification) for the activities of the Department of Sports Science and to conduct various skill courses.

The Department of Sports Science is run by the Academy of Sports Science, Research and Management (ASSRM). A three year course namely, B.Sc. (Sports Science) was formally inaugurated by

the Hon'ble Deputy Chief Minister Sh. Manish Sisodia on 17th October, 2017.

This Department is the first Sports Pharmacy Centre in the country and has also undertaken many landmark activities mentioned below:

1. B.Sc. (Sports Science) - A three-year degree after (10+2), introduced for the first time in the capital of India.
2. Digitalization of Sports tournament
3. Development of Sports Science Labs namely are underway and the process is likely to be completed during the financial year 2018-19:
 - a) Sports Human Performance Laboratory
 - b) Sports Fitness Studio
 - c) Sports Bio-mechanics Laboratory
4. Following courses are approved and the course curriculum has been outlined for them. Admission process for the same will start in the year 2018
 - a. Diploma in Sports Management
 - b. Diploma in Sports Pharmacy

Significant Achievements

1. Foundation of Sports Pharmacy: The most significant achievement of ASSRM has been the strong foundation made for the new subjects of Sports Pharmacy and Sports Science by formally commencing a three year B.Sc. (Sports Science) degree for undergraduate students for the first time in north India. Before this the implementation of Sports Science back up enshrined in the National Sports Policy 2001 was dormant.
2. Creation of Department of Sports

Science, DPSRU: By constituting the Board of Studies in Sports Science in April, 2017, DPSRU has founded a new academic department known as Department of Sports Science

3. The Department of Sports Science has been assigned by DPSRU to the Academy of Sports Science, Research and Management. This process was formally established by the Deputy Chief Minister and Education Minister of GNCTD Hon'ble Manish Sisodia Ji on 17th Oct., 2017 by inaugurating this new department.
4. The first batch of B.Sc. (Sports Science) had formally commenced in August, 2017 with the admission of B.Sc. Part-I students. The first batch of students will pass out in June, 2020.
5. Communication Skill Activity: B.Sc. Sports Science Students took active interest in communication Skills and organized a students communication Skills competition on 27th December, 2017 in the DPSRU Auditorium. The Registrar, DPSRU and Chairman, Sports Infrastructure Development Society appropriated the talented students and encouraged the students for such functions of practical life style skills promotion activities.

All the above activities are in Consonance with the following Vision, Mission and Objectives of the Department of Sports Science.

Vision

To be the ultimate destination for teaching and research in Sports Science and Sports Pharmacy so as to pave the way for the integration of sports science with sports coaching by the multidisciplinary sports science manpower in India.

Mission

To become a game changer by providing skills and tools to students for excelling in sports science, health, fitness, wellness and management skills, needed to ascertain employability in the fields related to promotion of sports, health, fitness and wellness in the schools, colleges coaching centres, and sports clubs sports complexes, etc.

Objectives

The Department of Sports Science caters to the following objectives:

1. To provide infrastructure, computerization skills and research in sports promotion through sports science development in India.
2. To train and educate students for creating multidisciplinary human resources in various branches of sports science skills.
3. To cater to scientific principles for winning Olympic and other international sports medals for India.
4. To cater to the scientific back up needed by sportspersons in excellent and latest training methods.
5. To produce skilled manpower in the field of sports pharmacy (the first attempt in India) and sports science.
6. To integrate sports science with sports coaching as well as with sports talent selection and scientific sports counseling at young age.
7. To conduct research in Sports Science, Sports Management for pursuit of excellence in sports performance.
8. To give scientific bases to 'Sports for All' and to develop sports culture in

the country with scientific planning and developments.

9. To create master trainers and teachers for creating scientific manpower for the establishment of effective future sports universities, sports colleges and sports schools in the country.
10. To create scientific environment for the implementations of Article 15 of National Sports Policy seeking scientific back-up in accordance with international standards in sports pharmacy and in all branches of sports science.
11. To work for the introduction of B.Sc. (Sports Science) qualification in recruitment rules of the GNCTD and Govt. of India for appointment in sports complexes, sports stadia, schools, colleges and universities. (In developed countries/advanced countries it is a well-established tradition to appoint sports science experts for sports talent selection, scientific counseling, and for promoting sports excellence.

Ph.D. PROGRAMME

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 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 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. Phill or M.Sc. or any other allied subject.

The candidate has to appear for Entrance examination for taking admission and minimum qualifying marks are 50%. After qualifying examination, an interview is organized where the candidates are required to discuss their research interest/area through a presentation before a duly constituted University Research Advisory Committees (URAC).

The candidates who have valid JRF/SRF or have qualified NET/GATE/GPAT/SLET/ from the UGC/CSIR/DBT/DST/ASRB or ICGB/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 as Pre-Ph.D. candidates for the course after an interview by URAC.

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 URAC. Every research scholar during Ph.D. is required to show continuous progress of work to the supervisor and submit half yearly report to the Doctoral Student Research Committee (DSRC) with the approval of supervisor.

After the completion of research work, the supervisor organizes pre-thesis seminar, to appraise about research work in front of URAC. If URAC satisfies with pre-thesis seminar, the research scholar can submit the thesis within a maximum period of 6 months from the date of submission of pre-thesis synopsis.

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 14 Ph.D. research scholars are pursuing their Doctoral Research Projects in the university. In the current batch (2017-18), 35 students are admitted in Pre-Ph.D. Out of 35 candidates, 9 candidates already have Government funded research projects.

Ongoing Research Projects for Ph.D.

S. N.	Title of project
1	Synthesis of some substituted benzoxazole like heterocyclic compounds and their biological evaluation
2	Design, synthesis and biological evaluation of some novel fatty acid derivatives
3	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
4	Pharmacokinetic and Pharmacodynamic evaluation of medicinal plant extract in rodent model of fructose induced metabolic syndrome
5	Design, synthesis and biological evaluation of some new 5-membered heterocyclic scaffolds
6	Regulations for conducting clinical trials in various countries (US, MHRA, Japan and India) and to compare it with Indian regulations.
7	Development of NDDS for breast cancer

S. N.	Title of project
8	BA-BE Studies of certain drugs
9	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
10	Development and evaluation of ophthalmic drug delivery system for glaucoma
11	Phytoanalytical evaluation & development of an antihypertensive & cardiogenic herbal formulation
12	Synthesis, characterization, and biological evaluation of some novel prodrugs
13	Nanotechnology based therapies for skin wound regeneration
14	Development of short peptide based self-assembling nanostructure as drug delivery vehicle for brain and as a scaffold for tissue engineering

Faculty & Staff

Prof. Ramesh K Goyal	Prof. Raman Dang
Vice Chancellor	Registrar
<u>DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH</u>	
Prof. Dharam Pal Pathak	Off. Director
Department of Pharmacology	
Dr. Rajani Mathur	Assistant Professor
Mrs. S. Latha	Lecturer (Sel. Grade)
Mr. Sachin Kumar	Lecturer
Guest Faculty	
Dr. Sanjay K. Banerjee	Dr. Neeta Goel
Ms. Nisha	
Department of Pharmaceutical Chemistry/ Quality Assurance	
Prof. Dharam Pal Pathak	Professor
Prof. Sharad R. Wakode	Professor
Mrs. Amrita Parle	Lecturer
Dr. Ramesh Bodla	(Sel. Grade)
Ms. Himangini	Lecturer (Sr. Scale)
Guest Faculty	
Ms. Poonam Gupta	
Mr. Md. Jawaid Akhtar	Mr. Deepak Gupta
Mr. Ahsan Ahmad Khan	Mr. Tinku Gupta
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
Guest Faculty	
Dr. Arundhati Bhattacharya	Dr. Varsha Pradhan
Dr. Neelam Mahajan	Mr. Mohd. Aslam
Ms. Nupur Srivastva	Ms. Namrata Jatap
Ms. Nupur Sharma	Ms. Puja Jain
Mr. Mayank Dhawan	Mr. Hanuman Sharma
Department of Pharmacognosy	
Mrs. Manju Vyas	Associate Professor
Mr. Pratap N. Raju	Lecturer (Sel. Grade)
Ms. Sakshi Bajaj	Lecturer

Department of Clinical Research	
Dr. Suresh. K. Gupta	Distinguished Professor
Guest Faculty	
Dr. Devesh Gupta	Dr. Manoj Sharma
Other Guest Faculty	
Dr. Abhilasha A. Gupta	Mr. Manoj Bhardwaj
Ms. Laxmi Rathore	
<u>SCHOOL OF PHARMACEUTICAL SCIENCES</u>	
Prof. Harvinder Popli	Off. Dean
Department of Pharmacology / Pharmaceutical 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
Guest Faculty	
Dr. Sanjay K Banerjee	Dr. Sunita Sheoran
Dr. Shailendra Asthana	Dr. Vipin Tyagi
Dr. Dhruv	
Department of Pharmacognosy & Phytochemistry	
Prof. Raman Dang	Registrar
Dr. Mahaveer Dhobi	Assistant Professor
Guest Faculty	
Dr. Rasheeduz Zafar	Ms. Sara Usmani
Department of Pharmaceutical Chemistry / Pharmaceutical Analysis	
Dr. Rajiv Kumar Tonk	Associate Professor
Dr. Jaseela Majeed	Assistant Professor
Guest Faculty	
Dr. Ashwani Kumar	Dr. Arundathi
Dr. P. L. Sahu	Dr. Anwar Siddique
Dr. Poonam Arora	Dr. Saroj
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
Guest Faculty	
Dr. Gurvinder Singh	Dr. Varsha Pradhan
Mr. Kamlesh Kumar Jain	Ms. Sangeeta Singh
Dr. Arundhati Bhattacharya	Ms. Devina Verma
Ms. Reena Bhattacharya	Ms. Poonam Sharma

Ms. Nidhi Sharma	Ms. Nupur Goel
Department of Pharmaceutical Management / Hospital Management / Public Health	
Dr. J. Saminathan	Assistant Registrar
Ms. Rakhi Ahuja	Assistant Professor
Guest Faculty	
Dr. Daisy Panna	Dr. Pranav Prakash
Ms. Abhilasha A. Gupta	Dr. Shivani Dadwal
Mr. Neeraj Rajbanshi	Dr. Priyanka Chauhan
Dr. Shirin Saini	Mr. Kuldeep Bahl
Ms. Reshu Goyal	Ms. Bhawana Khera
SCHOOL OF PHYSIOTHERAPY	
Dr. Rajiv Kumar Tonk	Off. Head
Dr. Siddhartha Sen	Associate Professor
Dr. Shilpa Jain	Assistant Professor
Dr. Jyoti Dahiya	Assistant Professor
Dr. Sapna Dhiman	Assistant Professor
Dr. Varsha Chorsiya	Assistant Professor
Dr. Parul Sharma	Assistant Professor
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Dr. Anwar Siddiqui	Dr. Surbhi Tandon
Dr. Novlesh Bacchan	Dr. Raquib Ali
Dr. Manasi Kocchar	Dr. Prashant
Ms. Aastha	
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Mr. Rajesh K. Bhalla	Senior Accounts Officer
Mr. Hussain Alam	Asstt. Controller of Exam
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Mr. Balbir Singh	Stenographer, Grade-I
Mr. G. D. Meena	Section Office-II
Mrs. Anjana Virdhi	Head Clerk
Smt. Meera Yadav	Head Clerk
Mrs. Indumathi	Stenographer, Grade-II
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Mr. Rajendra P. Sharma	Consultant (Admin)
Mr. Trilok Chand	UDC
Ms. Poonam Bharti	UDC
Mr. Lakshay Dahiya	LDC
Ms. Monika Negi	Jr. Steno

Mr. Sundeep	Jr. Assistant
Mr. Jatin Rawat	Jr. Assistant
Mr. Umesh Tomar	Jr. Assistant
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Ms. Lata Dutt	Mr. Ram Khillari
Mr. Gaurav Prasad	Mr. Saurav Katwal
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Mr. Vishnu Pillai	Ms. Anjali Singh
Mr. Vikram Singh	Mr. Rajesh Kumar
Mr. Vikas Yadav	Mr. Amit Kumar
Mr. Pankaj	Ms. Saroj
Mr. Rahul Kumar	
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Ms. Namrata	Library Attendant
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Mr. Mohit	Ms. Deepali
Mr. Sukbhir	Ms. Neeta Rathore
Mr. Sujoy Robinson	Mr. S.K. Sinha
Ms. Shalini Pathania	
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Mr. Dharamveer	Mr. Pradeep Kumar
Mr. Ram Narayan	Mr. Devender Kumar
Mr. Jatin Gautam	Mr. Avinash Bansal
Mr. Ramji Lal	Mr. Ram Kumar
Mr. Amit Mehto	
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Mr. K. N. Neogi	
Ms. Bimla Rawat	
Mr. Bishan Singh Jeena	
Mrs. Meenu Gupta	
Mr. Naresh	Mr. Rajju
Mr. Kaushal Kishor	Mr. Hemant
Mr. Priyadarshree Pathak	Mr. Naresh
Mr. Manish	Mr. Gaurav
Mr. Deepak	Mr. Yogesh Kumar




Mr. Jiledar	Mr. Yak Bahadur
Mr. Ranjit Paswan	Mr. Naresh Kumar
<u>ACADEMY OF SPORTS SCIENCES RESEARCH AND MANAGEMENT</u>	
Mr. Anshul Bagai	Director
Teaching Staff	
Mr. Dushyant Rana	Sports Officer
Mr. Vijay Chaudhary	Faculty
Non- Teaching Staff	
Ms. Disha Vats	Chief Administrative Officer
Mr. Nishith Mohan Lal	AM- HR & Admin
Mr. Hrishikesh Bhardwaj	Sr. Executive Accounts
Ms. Yashaswini	Research Analyst
Mr. Amit Kumar	Research Analyst
Mr. Kumar Goyal	Research Analyst
Mr. Aman Goyal	Research Analyst
Mr. Prashant Aggarwal	Admin. Executive
Mr. Rupesh	Peon

Research Area of Faculty Members

<p>Prof. Ramesh K Goyal Drug discovery (preclinical and clinical regulatory efficacy, safety and toxicological studies) related to diabetes, it's associated cardiovascular complications; cancer and inflammatory disorders like psoriasis and multiple sclerosis.</p>	
	<p>Prof. Shyam S. Agrawal Drug discovery, drug development and conducting preclinical and clinical (BA/BE Studies) trials in the area of antifertility, oncology, cosmotovigilance and herbovigilance. Study of oral contraceptive and antiovolatory agents in rats. Screening for estrogenic and antiestrogenic activities of herbs and herbal formulation from Dabur Research Foundation.</p>
<p>Prof. Suresh K. Gupta Management of cataract, glaucoma and diabetic retinopathy. 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.</p>	
	<p>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.</p>
<p>Prof. Raman Dang In-vitro cultures and developing of protocols for standardization of herbals, phytochemistry.</p>	
	<p>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.</p>
<p>Prof. Harvinder Popli Application of Nanotechnology for development of differentiated drug Delivery Systems for topical and Parenteral Release, Regulatory policies for Medical Devices, IVD and Biological.</p>	

	<p>Prof. Sharad R. Wakode Designing, planning and synthesizing new organic molecules of therapeutic interest and its screening. Isolation, identification, characterisation of phytoconstituents from herbal drugs for their anti-inflammatory, analgesic, antimicrobial activity.</p>	
<p>Mrs. Manju Vyas Standardization and Screening of various activities of Plant extracts.</p>		
	<p>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.</p>	
<p>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.</p>		
	<p>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</p>	
<p>Dr. Mukesh Nandave Role of nutraceuticals, herbomineral formulations, plant extracts & constituents in treatment of myocardial is chemia & 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.</p>		
	<p>Dr. Rajani Mathur Metabolic disorders and its complications. Pharmacological screening of potential drugs for Cardioprotective effects, Ocular therapeutics. Molecular mechanisms of metabolic disorders.</p>	
<p>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.</p>		

	<p>Mr. Bhag Chand Pharmaceutical Dosages forms and Drug Delivery System.</p>
<p>Mr. Pratap N. Raju Standardization of phytochemicals and their biological studies.</p>	
	<p>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, SGLT2inhibitors alone and in combination with other antidiabetic drugs.</p>
<p>Mrs. S. Latha Pharmacological Screening of Anti-angiogenic herbal drugs and their isolated compound. Neuroprotective effect of herbal extract and isolated compound.</p>	
	<p>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.</p>
<p>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.</p>	
	<p>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.</p>
<p>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.</p>	

	<p>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).</p>
<p>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.</p>	
	<p>Dr. Keerti Jain Worked on dendrimers for delivery of anticancer drugs and antiparasitic drugs. Explored potential of dendrimers as anti-angiogenic agents for delivery of anticancer drug. Worked on liposomes, carbon nanotubes, quantum dots and nanoparticles for the delivery of different bioactives.</p>
<p>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.</p>	
	<p>Mr. 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.</p>
<p>Mrs. Himangini Drug designing, QSAR study and synthesis of novel heterocyclic compounds and its antimalarial and antimicrobial activity. Characterisation of compounds through IR, NMR and Mass spectra.</p>	
	<p>Mrs. 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.</p>
<p>Ms. Rakhi Ahuja Competitive advantage and strategic sustainability in the healthcare industry with emphasis on increasing role of digitization in reshaping healthcare delivery in India.</p>	

	<p>Dr. Siddharth Sen Biomechanical analysis of human body movement and application of the physiotherapy techniques on it.</p>
<p>Dr. Shilpa Jain To prevent injury and enhancing performance of the athletes and handling microcurrent for aesthetic purpose.</p>	
	<p>Dr. Jyoti Kataria Scapular biomechanics, biomechanics of sports injuries, computer professionals 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".</p>
<p>Dr. Varsha Chorsiya Human factors, Biomechanics, Ergonomics, Environmental health, Occupational health & safety, Women health and physical therapy.</p>	
	<p>Dr. Sapna Dhiman Motor Control and motor learning for pediatric group, to evaluate abnormal blocks to development and emphasize on normal development in pediatric group.</p>
<p>Dr. Parul Sharma 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.</p>	

Research Publications and Awards

Dr. Mahaveer Dhobi and Mr. Satish Manchanda

The staff and students of DPSRU and DIPSAR published a total number of 158 Research and Review articles in various national and international journals and 14 Book/Book chapters in 2017-18. Beside this, many staff members and post-graduate students participated in conferences and presented papers that got published in proceedings and abstract books of National and International conferences and seminars. The faculty members were also awarded for their academic and research contributions during conferences and seminars.

DPSRU

1. **Agrawal SS**, Kaushik N. Evaluation of the anti-metastatic and antitumor activity of antibody loaded pemetrexed nanoparticles in DEN-HepG2 hepatocarcinoma model. *Indian Journal of Surgery: Oncology*. 2018;3(1):48.
2. **Agrawal SS**, Kaushik N. The evaluation of the presence of heavy metals in various lipstick brands (2015) available in Delhi-NCR: A Risk Assessment. *HSOA Journal of Clinical Dermatology and Therapy*. 2017;4:27.
3. **Agrawal SS**, Nagpal A, Ganeriwal T, Mazhar M, Chitkara G. Preparation of leaf extract of *Alstonia scholaris* and evaluation of its efficacy against *Candida albicans*. *Journal of Hospital Pharmacy*. 2017;12(4):406.
4. **Agrawal SS**, Singh V. Antifertility activity of ethanolic leaf extract of *Moringa oleifera* lam, in female wistar rats by defective decidualization, implantation and defective organogenesis. *Indian Journal of Pharmaceutical Sciences*. 2017;17:34.
5. **Amin H, Wakode S, Tonk RK**, Kaur A. Synthesis, characterization and antioxidant activity of Morpholine Mannich base derivatives. *International Journal of Current Pharmaceutical Review and Research*. 2018;8(5):354-360.
6. **Amin H, Wakode S, Tonk RK**. *Feronia Limonia* - A wonder drug. *World Journal of Pharmaceutical Sciences*. 2017;6(4):1982-1994.
7. **Amin H, Wakode S, Tonk RK**. Synthesis, characterization and antimicrobial activity of Morpholine Mannich base derivatives. *International Journal of Pharmaceutical Sciences and Research*. 2018;9(7).
8. **Anand PC, Khanna GL, Chorsiya V**, Geo TP. Relationship of core stability with bowling speed in male cricket medium and medium fast bowlers. *Al Ameen Journal Medical Science*. 2017;10(3):225-228.
9. **Anand PC, Khanna GL, Chorsiya V**, Rana A. Relationship between Shoulder Strength and Bowling Speed in Cricket Bowlers. *Journal of Exercise Science and Physiotherapy*. 2017;13(1):81-85.
10. **Anand PC, Khanna GL, Chorsiya**

- V, Yadav F, Geo TP. Relationship between core stability and throwing accuracy in cricket bowlers. *IJSR*. 2017;6(6):13-14.
11. Bhandari J, Mishra H, Mishra PK, Wimmer R, Ahmad FJ, **Talegaonkar S**. Cellulose nanofiber aerogel as a promising biomaterial for customized oral drug delivery. *International Journal of Nanomedicine*. 2017;12:20211-2031
 12. Bisht D, **Saminathan J**. Introduction to QbD and its application in diverse terrains. *Int J Pharm Res*. 2018;10(2):5-14
 13. Chadha C, **Dahiya J**, Rai R, Chugh P. Case study-effect of constraint induced movement therapy in brain tumor. *Indian Journal of Physiotherapy and Occupation Therapy*. 2017;11(3):81-83.
 14. Chaphalkar R, Kishori GA, Talekar Y, Ojha SK, **Nandave M**. Antioxidants of *Phyllanthus emblica* L. bark extract provide hepatoprotection against ethanol-induced hepatic damage: A comparison with Silymarin. *Oxidative Medicine and Cellular Longevity* 2017; doi:10.1155/2017/3876040.
 15. Chikara N, **Sen S**, Agrawal PR. Effect of gastrosoleus stretching on heart rate in normal individuals with gastrosoleus tightness. *International Journal of Recent Advances in Multidisciplinary Research*, 2018;5(3):3664-3667.
 16. **Dahiya J**, Kaur T. Neck pain and scapular position in swimmers. *International Journal of Health Sciences and Research*. 2017;7(11):122-127.
 17. **Dahiya J**, Rai R, Chopra C, Chugh P. Role of foot posture in female school teachers with and without low back pain. *Indian Journal of physiotherapy and occupation therapy*. 2017;11(1):75-79.
 18. **Dahiya J**. Case study-post operative rehabilitation of fracture of distal end of radius. *International Journal of Science and Research*. 2017;6(3):1974-1976.
 19. Das K, **Dang R**. Influence of demographic location and solvent extraction on pharmacognostical assessment and identification of conessine content in different parts of *Holarrhena antidysentrica* through HPTLC analysis. *Indian Journal of Pharmaceutical Education and Research*. 2017;51(3):427-35.
 20. Dhamoon RK, **Popli H**, **Aggarwal G**, **Gupta M**. Particle size characterization- techniques, factors and quality-by-design approach. *International Journal of Drug Delivery*. 2018;10(1):01-11.
 21. **Dhiman S**, Mohanty P, Pattnaik M. Effect of passive elongation of scapula retractors on neck control in children with spastic cerebral palsy. *International Journal of Information Research and Review*. 2015;2(11):1387-1391.
 22. **Dhiman S**. Focusing on different therapeutic approaches in people with stroke rehabilitation: a scoping review of literature. *Research and Reviews: Journal of Neuroscience*. 2018 (Accepted)
 23. Divyanka S, **Dahiya J**. Prevalence of musculoskeletal disorders in swimming athletes. *International Journal of Yoga Physiotherapy and Physical Education*. 2018;3(1):71-76
 24. **Goyal RK**, **Thakur AK**. A status report on autonomic nervous system:

- the Indian research scenario during the last five years. Proceedings of the Indian National Science Academy. 2018;84(1):3-14.
25. **Gupta M**, Sharma V, Vyas SP. Structured nanosystems for dermal delivery of therapeutics: options, opportunities and clinical implications. *Current Drug Metabolism*. 2017;18(5):1-2
 26. Jain S, Bhat AM, **Tonk RK**. Active stretching of hip flexors increases hip extension range of motion more than passive stretching. *International Journal of Dev Research*. 2018; 8(3):19654-659.
 27. Jyoti, Joshi S, **Sharma P**. Role of proprioceptive exercises in knee osteoarthritis. *Indian Journal of Physiotherapy and Occupation Therapy*. 2017;11(3):33-37
 28. Kalam A, **Talegaonkar S**, Vohora D. Effects of Raloxifene against letrozole-induced bone loss in chemically induced model of menopause in mice, *Molecular and Cellular Endocrinology*. 2017;15:440:34-43.
 29. Kamble P, Selvarajan K, Litvinov D, **Nandave M**, Narasimhulu CA. Induction of sirt1 and PGC- 1 α are important for aspirin ability to induce ApoE and PON1 genes. *Biology and Medicine*. 2017;9 (374):2
 30. **Kataria J**, Mangaonkar N. The prevalence of low back pain among flights attendants in bangalore. *International Journal of Creative Research Thoughts*. 2018;6(1):1711-1716.
 31. **Kataria J**. Text neck - its effects on posture. *International Journal of Creative Research Thoughts*. 2018;6(1):1711-1716.
 32. Kaur J, Malik M, Sangwan S, **Sharma P**, Kulvaindan. Prevalence and fitness of diabetes in Hisar, Haryana and India. *International Publication in International Journal of Romanian Journal of Diabetes, Nutrition and Metabolic Diseases*. 2017;24(2):6-28.
 33. Kaur J, Malik M, **Sharma P**, Sangwan P, Rani M. Effect of iontophoresis with dexamethasone in pain. *Indian journal of physiotherapy and occupational therapy*. 2017;11(3):1-6
 34. Kaur J, Malik M, **Sharma P**. To compare the performance of active and sedentary older adults on fullerton advanced balance scale and modified physical performance test. *Indian Journal of Physiotherapy And Occupation Therapy*. 2017;11(2):79-83
 35. Kaur J, **Sharma P**, Siwach V. Importance of religious education in therapeutic conditions. *International Journal of Scientific Research*. 2018;7(6):91-96.
 36. Kaur S, Chawla V, Narang RK, **Aggarwal G**. Preparation and characterization of metronidazole- β -cyclodextrin inclusion complex. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*. 2017;18(3):1590-1596
 37. Kaur S, Narang RK, **Aggarwal G**. Formulation and development of colon targeted mucopenetrating metronidazole nanoparticles. *Tropical Journal of Pharmaceutical Research*. 2017;16(5):967-973.
 38. Kumar D, **Dhobi M**. Screening antianxiety and antioxidant profile of stems and leaves of blue variety of *Clitoria ternatea* L. *Indian Journal of Pharmaceutical Sciences*. 2017;79(6):1022-1025.
 39. Kuntal D, Rekha R, Ibrahim MA,

- Ahmed SY, **Dang R**. Effect of demographic location on *Phlebodium decumanum* (Willd.) J. Sm. for its phytoconstituents content and establishment of antioxidant and novel anthelmintic activity of its aqueous and methanolic leaf extracts. *Annals of Phytomedicine*. 2017;6(1):101-106.
40. Lalchhuanawma A, **Sen S**, Dhawan A. Effectiveness of dry needling along with conventional therapy on myofascial trigger points in patients with plantar fasciitis. *International Journal of Therapies & Rehabilitation Research*. 2017;6(1):162-168
 41. Madaan T, Shindu CT, Harshita, Suman, Tariq AM, **Talegaonkar S**. Lutein, a versatile phytonutraceutical: An insight on pharmacology, therapeutic indications, challenges and recent advances in drug delivery. *Pharma Nutrition*. 2017;5(2) 64-75.
 42. Mahtab A, Pandey S, Rabbani S. A, Mohd A, **Talegaonkar S**. Functionalized nanoliposomes for the synergistic treatment to rheumatoid arthritis: Monotherapy with quadrilateral approach. *Journal of Pharmacy and Research*. 2018;12:589-592.
 43. Malik M, Rani M, **Sharma P**. Conservative management of vertebrobasilar insufficiency: a systemic review. *Indian publication in journal of exercise science and physiotherapy*. 2017;13(2):9-16.
 44. Malik M, **Sharma P**, Sharma S, Siwach V. Relationship of six minute walk distance with body mass index and waist hip ratio. *International Publication in International Journal of Scientific Research*. 2017;7(1):68-69.
 45. Malik M, **Sharma P**, Sharma S. Effect of cryotherapy on proprioception of knee joints in normal individuals. *International Publication in Indian Journal of Physiotherapy and Occupation Therapy*. 2018;12(2):92-97.
 46. Malik M, Sharma S, **Sharma P**. Effect of repetitive mckenzie lumbar exercises on cardiovascular system in normal individuals. *Indian Publication in Indian Journal of Scientific Research*. 2018;8(2)91-98.
 47. Malik M, Sharma S, **Sharma P**. Relationship of physical activity, T.V. watching, computer use with BMI and stoutness level among children of Hisar. *Indian Publication in Indian Journal of Physiotherapy and Occupation Therapy*. 2018;12(2):1-6.
 48. Mishra PK, Giagli K, Tsalagkas K, Mishra HS, Grycand V, Wimmer R, **Talegaonkar S**. Changing face of wood science in modern era: Contribution of nanotechnology. *Recent Patents on Nanotechnology*. 2018;14:13-21.
 49. Mishra PK, Mishra H, **Talegaonkar S**, Vaidhya B. Zinc oxide nanoparticle: a promising nanomaterial for biomedical application. *Drug Discovery Today*. 2017;22(12),1825-1834.
 50. Mishra R, Sareen S, Bhardwaj S, Siddiqui AA, Husain A, **Kumar R** et al. Phenothiazines and related drugs as multi drug resistance reversal agents in cancer chemotherapy. *Current Cancer Therapy Review*. 2017;13(1):28-42.
 51. Nagpal M, **Aggarwal G**, Jain UK, Madan J. Extraction of gum from *Abelmoschus esculentus*: physicochemical peculiarity and antioxidant prepatent. *Asian Journal*

- of Pharmaceutical and Clinical Research. 2017;10(9):174-179.
52. Nagpal M, **Aggarwal G**, Jain UK, Madan J. Okra fruit gum-chitosan impregnated polymer network films: formulation and substantial depiction. Asian Journal of Pharmaceutical and Clinical Research. 2017;10(10):219-222.
 53. Nagpal M, Maman P, **Aggarwal G**, Gilhotra RM. Nano era of dentistry-an update. Current Drug Delivery. 2018;15(2):186-204.
 54. Nagpal M, Manan P, **Aggarwal G**. Miliaria - An Update. Research Journal of Pharmaceutical, Biological and Chemical Sciences. 2017;8(4):1161-1168
 55. Nagpal P, **Aggarwal G**, Jindal M, Jain UK, Chandra R, Madan J. Ultrasound, microwave and Box-Behnken Design amalgamation offered superior yield of gum from *Abelmoschus esculentus*: electrical, chemical and functional peculiarity. Computers and Electronics in Agriculture. 2018;145:169-178
 56. Narasimhulu CA, **Nandave M**, Bonilla D, Singaravelu J, Sai-Sudhakar CB, Parthasarathy S. Circulating platelet aggregates damage endothelial cells in culture. Journal of Surgical Research. 2017;213:90-99.
 57. Panda V, Mistry K, Srinath S, **Nandave M**, Ojha S. Amelioration of abnormalities associated with the metabolic syndrome by *Spinaciaoleracea* (spinach) consumption and aerobic exercise in rats. Oxidative Medicine and Cellular Longevity 2017; Article ID 2359389.
 58. Pandey S, Rai N, Rawat P, Mehtab A, Ahmad FJ, **Talegaonkar S**. Emerging role of CD44 receptor as a potential target in disease diagnosis: A patent review. Recent Patents on Inflammation & Allergy Drug Discovery. 2017;11 (2):77-91.
 59. Patel SS, Shah RS, **Goyal RK**. Antihyperglycemic effects of formulation of spray dried fruit juice of *Emblica officinalis* in streptozotocin induced diabetic rats. Current Nutrition & Food Science. 2017;13:1-6.
 60. Pichu S, Patel BM, Apparsundaram S, **Goyal RK**. Role of biomarkers in predicting diabetes complications with special reference to diabetic foot ulcers. Biomarkers in Medicine. 2017;11(4):377-388.
 61. Pipal BP, Gaur DK, **Dahiya J**. Correlation between hand grip strength and hand eye coordination with performance in adolescent tennis players. International Journal of Science and Research. 2017;6(3):640-643.
 62. Pooja, **Saminathan J**. Periodic safety update report (PSUR) worldwide update: a review International Journal of Current Advanced Research. 2018;7(2):10230-10234.
 63. **Popli H**, Badhwar R. Nanosilver-A small antimicrobial agent, World Journal of Pharmaceutical Research. 2017;7:328-347.
 64. **Popli H**, Badhwar R. Novel silver nanoparticles formulations for wound healing. International Conference-Expanding Horizons of Nanotechnology: Next Gen Challenges in Biomedical Sciences. 2017.
 65. **Popli H**, Kaur R, **Gupta M**, **Aggarwal G**. Particle size characterization-

- factors, techniques and quality by design approach. *International Journal of Drug Delivery*. 2017;1-12.
66. **Popli H, Sethi R.** Comparative Study of Marketing Authorization of Drug Eluting Coronary Stents (DES) in India and developed countries (USA & EU) *Applied Clinical Research, Clinical Trial and Regulatory Affairs*. 2017;4.
 67. **Popli H, Sethi R.** Medical Devices Regulatory in United State of America, Europea Union and India: A Comparative study, *Pharmaceutical Regulatory Affairs*, 2017.
 68. **Popli H, Sethi R.** Overview of provision for import of medical devices into India Central Licensing Approval Authority (ICLAA) scheme and medical devise rules. *Applied Clinical Research, Clinical Trial and Regulatory Affair*. 2017;4.
 69. **Popli H, Singh H, Swaminathan J.** Dapagliflozin: A Novel Sodium-Glucose Co transporter Type2 Inhibitors for the treatment of Type2 Diabetes Mellitus, *World Journal of Pharmaceutical Research*. 2017;6,;519-533.
 70. **Popli H, Targhotra M, Gupta M, Aggarwal G.** Regulatory aspects of medical devices in India. *International Journal of Drug Delivery*. 2017;9:18-27.
 71. **Raghunathan S, Goyal RK, Patel BM.** Selective inhibition of HDAC2 by magnesium valproate attenuates cardiac hypertrophy. *Canadian Journal of Physiology and Pharmacology*. 2017;95(3):260-267.
 72. **Rai R, Dahiya J, Chugh P, Sharma R, Chopra C.** A study on correlation of anthropometric measures and HbA1c in asymptomatic young adults. *International Journal of Pharmaceutical and Medicinal Research*. 2017;5(2):445-447.
 73. **Ramdhave AS, Ojha S, Nandave M.** Energy intake correlates with the levels of fatty acid synthase and insulin-like growth factor-1 in male and female C57BL/6 mice. *American Journal of Translational Research*. 2017;9(1):830-844.
 74. **Sachaniya J, Savaliya R, Goyal RK, Singh S.** Liposomal formulation of vitamin A for the potential treatment of osteoporosis. *International Journal of Nanomedicine*. 2018;13:51-53.
 75. **Saminathan J, Patel R.** Current regulatory challenges and approaches in registering in vitro diagnostics (IVD's) in India. *Journal of Basic and Clinical Pharmacy*. 2017;8:125-131.
 76. **Saminathan J.** Analytical quality by design (AQbD) approach in Indian pharmaceutical development. *Cutting Edge*. 2017;38-45.
 77. **Saminathan J.** Validated HPTLC method for simultaneous quantitation of aceclofenac, paracetamol and thiocolchicoside in bulk drug and pharmaceutical formulation. *Pharmaceutical Sciences Asia*. 2017;44(2):108-114
 78. **Saminathan J, Vetrichelvan T.** UV Spectrophotometric absorption correction method for simultaneous estimation of olmesartan medoxomil, amlodipine besylate and hydrochlorothiazide in combined tablet dosage form. *Indian Drugs*. 2017;54(11):33-38.
 79. **Sarkar A, Dhiman S.** Influence of body fat composition on hypertension- a correlational study. *International Journal of*

- Bioinformatics. 2012;5(2):61-66.
80. **Sen S**, Singh AD. Changes in head & shoulder posture of collegiate students carrying laptop bag as side pack. *International Journal of Physiotherapy & Research*. 2017;5(1):2018-24.
 81. **Sen S**, Singh AD. Influence of carrying back pack and side pack load on development of musculoskeletal disorders in collegiate students. *International Journal of Therapies & Rehabilitation Research*, 2017;6(1):110-116
 82. Setya S, Madaan T, Tariq M, Razdan BK, **Talegaonkar S**. Appraisal of transdermal water-in-oil nanoemulgel of selegiline HCl, for the effective management of Parkinson's Disease: pharmacodynamic, pharmacokinetic and biochemical investigations. *AAPS PharmaSciTech*. 2018;19(2):573-589.
 83. Shampa I, Anwer MK, Mirza MA, Al-Shdefat R, Taleuzzaman M, **Talegaonkar S**, Iqbal Z. Development of cefuroxime axetil loaded solid self-nanoemulsifying drug delivery system with improved pharmacokinetic profile. *Latin American Journal Of Pharmacy*. 2017;36 (8):1553-1562.
 84. Sharma C, Tiwari A, **Jain S**. Comparative study of effect of TENS with passive stretching vs electric muscle stimulator with passive stretching on spasticity of Biceps Brachii muscle in stroke patients. *International Journal of Medical and Exercise Science*. 2017;3 (1):260-268.
 85. Sharma M, Kartha CC, Mukhopadhyay B, **Goyal RK**, Gupta SK, Ganguly NK, Dhalla NS. India's march to halt the emerging cardiovascular epidemic. *Circulation Research*. 2017;121(8):913-916.
 86. Sharma P, Nagpal M, **Aggarwal G**, Maman P, Thakur GS. Neem gum based solid dispersion in development of aceclofenac tablet with enhanced bioavailability. *Drug Delivery letters*. 2017;7(2):115-124.
 87. Singh RB, Mishra S, Kumar S, Tiwari AM, Meester FD, **Goyal RK**, Kartikey K, Singh M. Micronutrient formulations for prevention of complications of pregnancy. *Frontiers in Bioscience*, 2018;10:175-184.
 88. Singh S, Verma D, Amir M, Anwer MK, **Talegaonkar S**, Sultana Y, Iqbal Z. Development and optimization of ketoconazole loaded nano-transfersomal gel for vaginal delivery using Box-Behnken design: In vitro ex vivo characterization and antimicrobial evaluation. *Journal of Drug Delivery Science and Technology*. 2017; 39:95-103.
 89. Sukhbir K, Arora D, Narang RK, **Aggarwal G**. Statistical optimization for development of colon targeted pH dependant metronidazole granules using full factorial design. *International Journal of Pharmaceutical Sciences and Research*. 2018; 9(3):1152-1159.
 90. Sukhbir K, Chawla V, Narang RK, **Aggarwal G**. Comparative mucopenetration ability of metronidazole loaded chitosan and pegylated chitosan nanoparticles. *Asian Journal of Pharmaceutical and Clinical Research*. 2017;10(6):125-130
 91. Sultana S, Mittal G, Kumar D, Ahmad FJ, **Talegaonkar S**. Alpha ketoglutarate nanoparticles: A potentially effective treatment for cyanide poisoning. *European Journal of Biopharmaceutics and*

- Pharmacokinetics. 2018;126:221-232
92. Suman B, **Saminathan J**. A review on characterization and differentiation of water; a pharmaceutical industry prospective. *BAOJ Pharmaceutical Sciences*. 2017;3(33):042
 93. Targhotra M, **Aggarwal G, Gupta M**. Regulatory aspects of medical devices in India. *International Journal of Drug Delivery*. 2017;9:18-27.
 94. Tayal K, Gaur D, Munjal J, **Dahiya J**. Correlation of foot posture index-6 and navicular drop test with functional ankle stability in running male athletes. *Physiotherapy and Occupation Therapy Journal*. 2017;10(2):65-70.
 95. **Thakur AK**, Kamboj P, Goswami K, Ahuja K. Pathophysiology and Management of Alzheimer's Disease: An Overview. *Journal of Analytical & Pharmaceutical Research*. 2018;7(2):226-235.
 96. **Thakur AK**, Raj P. Pharmacological perspective of *Glycyrrhiza glabra* Linn.: a mini-review. *Journal of Analytical & Pharmaceutical Research*. 2017;5(5):00156.
 97. **Tonk R**, Kumar L, Khamar J, Varshney N, Agrahari S. An overview on olmesarten. *World Journal of Pharmaceutical Research*. 2017;15 (6):423-448.
 98. Verma D, Khuroo T, Thakur P, Padhi S, **Talegaonkar S**, Iqbal Z., Design expert assisted nanoforumulation design for codelivery of topotecan and thymoquinone. *Journal of Molecular Liquids*. 2017;242:382-394.
 99. Verma S, **Gupta M, Popli H, Aggarwal G**. Diabetes Mellitus Treatment Using Herbal Drugs. *International Journal of Phytomedicine*. 2018;10(1):1-10.
 100. Vohora D, Kalam A, Leekha A, **Talegaonkar S**, Verma K. A combined raloxifene and letrozole for breast cancer patients. *Archives of Medical Research*. 2017;48(6):561-565.
 101. Yadav SK, Keswani S, Quddus N, Khan SA, Siddiqui ZA, **Chorsiya V**. Effect of various durations of type 2 diabetes on muscle performance. *International Journal of Medical and Health Sciences*. 2017;11(2).

Book Chapter

1. **Aggarwal G**, Manju Nagpal. *Pharmaceutical Polymer Gels in Drug Delivery*. Book Chapter in *Springer Handbook on Polymer Gels*. 2018.
2. **Popli H**. Revised Chapter in *Pharmaceutical Product Development 2017*.
3. **Gupta M**, Sharma V, Chauhan NS. Cancer nanotechnology for oral delivery of anticancer drugs: An insight potential. Volume 1: Nanostructures for oral Medicine (Ist Edition); Editors: Ecaterina Andronesco, Alexandru Grumezescu, NANOSTRUCTURES IN THERAPEUTIC MEDICINE. PUBLISHED BY ELSEVIER. 2017, (ISBN: 9780323477208).
4. **Gupta M**, Sharma V, Chauhan NS. Promising novel nanopharmaceuticals for improving topical antifungal drug delivery. Volume 2: Nano- and Microscale Drug Delivery Systems (Ist Edition); Editor; Alexandru Grumezescu. published by Elsevier, 2017, Pg No. 197-228 (ISBN: 978-0-323-52727-9 <http://dx.doi.org/10.1016/B978-0-323-52727-9.00011-X>).
5. **Talegaonkar S**. *Pharmaceutical*

Technology: A Practical Manual 2017, Pharma Med Press 978-93-5230-141-6, A unit of BSP Books Pvt. Ltd. State/country.

6. **Talegaonkar S**, Sobiyazafarin H. Nanoparticles: Formulation Aspects and Applications, "Nanobiomaterials Applications in Drug Delivery, Apple Academic Press and CRC Press, 2018, 23-74, ISBN 978-1-77188-591-1
7. **Talegaonkar S**, Pandey S, Sharma H. Exploring nanoencapsulation of aroma and flavours as a new frontier in Food Technology, Nanotechnology in Food Industry (Multi-Volume SET I-X). Encapsulation. Elsevier. 2017,47-82, (Editors: Alexandru Grumezesc)
8. **Talegaonkar S**, Sharma H, Mishra PK, Wimmer R, Pandey S. Bionanocomposites: smart biodegradable packaging material for food preservation. Nanotechnology in Food Industry (Multi-Volume SET I-X). Food Packaging. Elsevier. 2017, 79-106, (Editors: Alexandru Grumezesc).
9. Sharma V, Patel S, **Gupta M**, Chauhan DN, Chauhan NS. Tribulus terrestris and its phytochemicals in the prevention and treatment of hypertension. Recent Progress in Medicinal Plants Vol.48 Hypertension (In Press).
10. **Gupta M**, Goyal RK, Sharma V. Angiogenesis treatment with C13 targeting nanomedicines: nanomedicines and disease treatment: concept to applications. 2018 CRC Press, USA (In Press).

Patents

1. **Aggarwal G**. Novel Pharmaceutical Excipient for Enhancing Solubility

of Poorly Water Soluble Drugs and Method thereof. Pub no. WO/2017/163260. International application No. PCT/IN2017/000064. Publication date 28-09-2017.

2. **Aggarwal G**. National patent on "Novel pharmaceutical solubility enhancer". Application no. 201711022946. Filed on 30/06/2017.

Conference Presentation

1. **Agarwal SS**, Khamar J. Antifertility activity of H2 receptor blockers in laboratory animals- a preliminary study. 8th National level Seminar -Pharma vision. 2017. Gujarat.
2. **Agarwal SS**, Ahmad M. Development and evaluation of polyherbal gel formulation for hair growth potential in rats. 2018. IASTAM-DPSRU, New Delhi.
3. **Agarwal SS**. Adulteration of mercury in skin whitening creams: A nephrotoxic agent presented in 49th annual conference of society of nuclear medicine. 2017. DRDO, New Delhi.
4. **Ahuja R**. e-Poster presented on implementing a systematic pharmacovigilance approach in Indian clinical trials.
5. **Ahuja R**. Paper presented on implementing Health Technology Assessment-India's step towards Universal Healthcare Coverage.
6. Chauhan D, **Dhobi M**. The neuropharmacological potential and phytochemistry of *Evolvulus alsinoides* L. International Conference on "Challenges for Global Competitiveness of AYUSH and Natural Products. 2nd - 4th February 2018, New Delhi.
7. Fatima G, **Dhobi M**. Versatile

- and synergistic potential of thymoquinone. International Conference on "Challenges for Global Competitiveness of AYUSH and Natural Products. 2nd - 4th February 2018, New Delhi.
8. Goswami K, Ahuja K, Kamboj P, **Thakur AK**. Herbal and Non-Pharmacological Therapies of Alzheimer's Disease: An Overview. One Day Conference on "Recent Advances in Pharmaceutical Sciences and Health". Organised by SPER, Jamia Hamdard, New Delhi, 2018.
 9. Halim S, **Dhobi M**. *In-vitro* anthelmintic activity of different extracts of *Evolvulus alsinoides* L. International Conference on "Challenges for Global Competitiveness of AYUSH and Natural Products. 2nd - 4th February 2018, New Delhi.
 10. Insaf A, **Dhobi M, Dang R**. A comprehensive review on recent herbs having cardiovascular potential. APTICON, 22nd Annual National Convention of APTI, on 24th March, 2018 at Lloyd Institute of Management and Technology, Greater Noida.
 11. Kamboj P, Raj P, **Thakur AK**. Beneficial Effects of *Glycyrrhiza glabra* Linn. Extracts in Chronic Stressed-Triggered Depression in Mice. International conference on "Challenges for Global Competitiveness of AYUSH and Natural Products including IASTAM Oration Award function on 2-4th Feb, 2018".
 12. **Kumar R** "Biomarkers Research In Parkinson Disease Using Metabolite Profile", National seminar on Contemp. issues in Anal. & Bioanal. Res., 16th Sept.' 2017 at ITS college of Pharmacy, Ghaziabad
 13. **Kumar R** "Identification of Vita. C by determ. of Rf value in Diff. Sol. System Using TLC" Int. Con. on Chall. for Global Compet. of AYUSH and Natural Pdts" 2nd - 4th Feb', 2018 at DPSRU, New Delhi.
 14. **Kumar R** "Molecular Modeling, Syn. & Screening of Some New Pyrazolo[4,3-c] Cinnoline Der. with Promising Selective COX-2 Inhib. Activity" Int. Con. on drug design, 7-9 April 2017 at JNU, New Delhi.
 15. Pal S, **Dang R, Dhobi M**. Medicinal plants for breast cancer: a review. APTICON, 22nd Annual National Convention of APTI, on 24th March, 2018 at Lloyd Institute of Management and Technology, Greater Noida.
 16. **Popli H**, Badhwar R, Jain S. Role of AYUSH in the treatment of Hypertension. Cardiovascular Research Convergence. 2017.
 17. **Popli H**, Jain S, Badhwar R. Management of valvular heart disease during Pregnancy. Cardiovascular Research Convergence. 2017.
 18. **Popli H**, Kaur R, **Aggarwal G**. Formulation and evaluation of fast dissolving oral films of Cinnarizine and investigating the effect of super disintegrants. International Conference-Expanding Horizons of Nanotechnology: Next Gen Challenges in Biomedical Sciences. 2017.
 19. **Popli H**, Khullar S, Jain S. A proteomic approach for rheumatoid arthritis, National Seminar-Contemporary Issues in Analytical and Bioanalytical Research. 2017.
 20. **Popli H**, Khullar S, Jain S. Cardiac Sarcomas: An update. Cardiovascular

Research Convergence. 2017.

21. **Popli H**, Khullar S, Jain S. Role of different combination of emulsifying agents for formulation of emulsion, International Conference-Expanding Horizons of Nanotechnology: Next Gen Challenges in Biomedical Sciences. 2017.
22. **Saminathan J**. UV spectrometric methods of Candesaratan Cilexetil and Hydrochlorothiazide in combined dosage form as per ICH Guidelines. APTICON, 22nd Annual National Convention of APTI, on 24th March, 2018 at Lloyd Institute of Management and Technology, Greater Noida.
23. Sharma S, **Dang R**, **Dhobi M**. Ethnopharmacological report on Bahera (Beleric myrobalan). APTICON, 22nd Annual National Convention of APTI, on 24th March, 2018 at Lloyd Institute of Management and Technology, Greater Noida.

Research Projects

1. Aggarwal G. Received grant for start-up proposal entitled 'Validated Cold Chain Shipping Solutions' by DPSRU Innovation & Incubation Foundation New Delhi in March 2018.
2. Aggarwal G. Industry (Sharma Rasayan Shala, Punjab) sponsored research project entitled 'Development of multiherbal gel for vaginal fungal infection' in 2018.
3. **Agrawal SS**. Anti-estrogenic activity of certain herbal products. Awarded by Dabur Research Foundation.
4. Nandave M. DBT Reference No. BT/PR12182/AAQ/3/696/2014 (CO-PI). Isolation, Characterization and Evaluation of Anti-Inflammatory

Compounds Isolated From Marine Sponges of Maharashtra Coastal Regions.

Awards

1. Delhi Pharmaceutical Sciences and Research University awarded for Skill Development by Indus Foundation, 2018.
2. **Aggarwal G**: Awarded for grant of start-up proposal entitled 'Validated Cold Chain Shipping Solutions' by DPSRU Innovation & Incubation Foundation on 17th October, 2017.
3. **Chorsiya V**: Outstanding Alumini Award on World Physiotherapy Day in Hamdard Physiocon 2017 at Jamia Hamdard, New Delhi for her research and upgradation in the field of Physiotherapy
4. **Dahiya J**: MTFI Bhushan Award. 29th October 2017. Annual Manual Therapy Conference MTFI CON , Jodhpur.
5. **Dahiya J**: Significant Contribution Award Academics. 24th-25th March 2018 at Constitutional Club of India, New Delhi By Indian Association of Physiotherapist, IAP.
6. **Dahiya J**: Star Faculty Award & Achrekar's of Physio award. 18th February 2018 Constitutional Club of India, New Delhi. In "Sports Connect" Sports Conference.
7. **Dahiya J**: Young Achievers Award. 10th December 2017 at AIIMS New Delhi International Conference of Physical Therapy INCPT-2017.
8. **Goyal RK**: APPLife time Achievement Award, Ludhiana
9. **Goyal RK**: Dr. Manjit Singh Oration 2018 Award of International Society of Heart Research, Chandigarh, 16th

February 2018.

10. **Goyal RK:** Shikshak Shri Award, Rashtriya Samta Swatantrata Manch, Indo-Nepal
11. **Gupta M:** Received Best oral presentation award of M.P. council of Science and Technology funded project, "Designing and characterization of novel site specific peptide conjugated polymeric nanoparticles for enhanced antineoplastic effect against CD13 receptor" in INNOPHARM-2 as International Conference, 11-12 Feb 2017 at M.P.CST Bhopal India.
12. **Jain S:** Appreciated as best scientific poster presentation award " Sports Injury Management: MISSION 20-20". 2017.
13. **Popli H:** Confluence award for leadership and Skill Development.
14. **Popli H:** Excellence Award in Productivity, Quality Innovation and Management by Indo-Malaysian Economic Cooperation, 12th April 2017.
15. **Popli H:** International Icon Award for dedication towards Education Sector by --Institute of Economic Studies presented by H.E. Datuk Seri Dr S. Subramaniam Honourable Minister, Ministry of Health, Govt. of Malaysia. Sep - 2017.
16. **Popli H:** Pharma Ratna Life Time Achievement Award by RDM. 2017
17. **Popli H:** PHD Chamber Appreciation award for contribution in Education segment.
18. **Sen S:** Awarded significant contribution award is given by Indian Association of Physiotherapist for recognition of meritorious and outstanding work done to promote

the physiotherapy profession in 1st professional conference of IAP on March 2018 at New Delhi.

19. **Sharma P:** 1st prize as best poster presentation at the 4th annual physiotherapy conference of Indian association of physiotherapist "Physiocon Chandigarh 2017.
20. **Talegaonkar S:** Best Paper Award in Pharmaceutics for article published in IJPER by APTI-22nd Annual National Convention (APTICON-2018) held at Lyod Institute of Management and Technology, 24th March 2018, Greater Noida, UP
21. **Talegaonkar S:** Pharma Ratan Award for Best Scientist 2017.

Distinguished Recognition

1. **Agrawal SS.** Chairman of inspection team of NAAC Priyadarshini J. L. College of Pharmacy, Nagpur.
2. **Agrawal SS.** Chairman of Inspection Committee, Parul University, National board of accreditation at Vadodara, Gujarat, 2017.
3. **Agrawal SS.** Members of the Governing Body, Amity University Madhya Pradesh.
4. **Agrawal SS.** Honoured at Concluding Golden Jubilee Celebrations of Indian Pharmacological Society (IPS); Mumbai, 2018.
5. **Agrawal SS.** Member of Planning Committee for evaluating NIPER - 2017
6. **Dang R:** Convener- 22nd APTICON, Lloyd, Greater Noida, 24th March, 2018.
7. **Dang R:** Convener- 69th IPC-Chitkara, Near Chandigarh, 22nd to 24th December 2017.
8. **Dang R:** Delivered the key note

- address at MESMAP-2017, Cyprus, Turkey.
9. **Dang R:** Editor, APTI Bulletin NAAC peer team
 10. **Dang R:** International Board member of MESMAP-2017, April, held at Cyprus, Turkey.
 11. **Dang R:** International Board member of MESMAP-2018, April, held at Antalya, Turkey.
 12. **Dang R:** Managing editor, Indian Journal of Pharmaceutical Education and Research
 13. **Dang R:** Managing editor, Indian Journal of Pharmacy Practice
 14. **Dang R:** Nominated chairperson for world skill council
 15. **Dang R:** Secretary, Association of Pharmaceutical Teachers of India (APTI)
 16. **Dhobi M:** Organizing Secretary, International conference on "Challenges for Global Competitiveness of AYUSH and Natural Products including IASTAM Oration Award function on 2-4th February, 2018".
 17. **Gupta M:** Awarded as Associate Editor in APTI Women Forum in 2018.
 18. **Gupta M:** Awarded as Associate Editor in Journal of Pharmacy and Allied Health Sciences 2017.
 19. **Gupta M:** Role of guest editor in current drug metabolism journal on the thematic issue Structured Nanosystems for Dermal Delivery of Therapeutics: Options, Opportunities and Clinical Implications. Current Drug Metabolism, 2017, Vol. 18, No. 5:1-2
 20. **Kumar R:** Got 2nd Position in 100 meters Staff race during annual sports meet-2018 at DPSRU.
 21. **Kumar R:** Nominated as member of academic council under clause 1(II) (V) of statute 14 for a term of two years at Gurugram University, Gurugram, Haryana on 20th April 2018.
 22. **Kumar R:** Organized International Conference on "Challenges for Global Competitiveness of AYUSH and Natural Products" and IASTAM Oration and Award Function" as Joint Organizing Secretary at DPSRU from 2nd to 4th Feb' 2018.
 23. **Kumar R:** Organized one-day workshop on "Basic Tapping Techniques" 16th April 2018 at School of Physiotherapy, DPSRU.
 24. **Popli H:** Cover story in Pharma Express Journal of Indian Express listed as Women in leadership VOL.13NO.9 PAGES 74.
 25. **Popli H:** Nominated by Women Economic Forum WEF-Hauge 2018 - Award for Exceptional Women of Excellence.
 26. **Saminathan J.** APTI-Central nominated as Editorial Board member for APTI Bulletin.
 27. **Saminathan J.** Chair Person for International Conference on "Challenges for Global Competitiveness of AYUSH and Natural Products" held at February 2 - 4, 2018 at Dr. G. K. Narayanan Auditorium, New Delhi.
 28. **Saminathan J.** Deputy Editor - Journal of Pharmaceutical Research and Regulatory Affairs
 29. **Saminathan J.** Editorial Board Member - Journal of Basic and Clinical Pharmacy, International Journal of Chemistry, Pharmacy & Technology,

30. **Saminathan J.** Ph. D. Examiner for The Tamilnadu Dr.M.G.R Medical University, Sri Ramachandra University, Chennai, Jamia Hamdard University, New Delhi, Vels University, Annamalai University, Jawaharlal Nehru Technological University, Andhra.
31. **Saminathan J:** APTI Bulletin Editorial Member, and Publication Committee Member- Pharmaceutical Chemistry and Analysis (IJPER), APTI-Central.
32. **Thakur AK:** APTI Bulletin Editorial Member, and Publication Committee Member- Pharmacology (IJPER), APTI Central.

DIPSAR

1. 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; 10:230-5.
2. Aggarwal H, Nair J, Sharma P, Sehgal R, Naeem U, Rajora P, **Mathur R.** *Aegle marmelos* differentially affects hepatic markers of glycolysis, insulin signaling pathway, hypoxia and inflammation in Hepg2 cells grown in fructose versus glucose-rich environment. *Mol Cell Biochem.* 2018;438(1-2):1-16
3. **Mathur R,** Sehgal R, Rajora P, Sharma S, Kumar R, Mathur S. *Aegle marmelos* (L.) Corr. impedes onset of insulin resistance syndrome in rats provided with drinking fructose from weaning to adulthood stages of development: – a mechanistic study. *Can J PhysiolPharmacol.* 2017;95(5):572-579.
4. Nair J.C.V, Khan M, Anjum V, Ahamad S, **Mathur R.** Development and Validation of HPTLC Method for Simultaneous Determination of Polyphenolic Compounds in Medicinal Plants.. *Phcog Res* 2017;9: S67-73.
5. Arora P, Ansari SH, Anjum V, **Mathur R,** Ahmad S. Investigation of anti-asthmatic potential of *Kanaka sava* in ovalbumin-induced bronchial asthma and airway inflammation in rats. *J Ethnopharmacol.* 2017 Feb 2;197:242-249.
6. **Latha S,** Chaudhary S, Ray SR. Hydroalcoholic extract of *Stevia rebaudiana* leaves and stevioside ameliorates lipopolysaccharide induced acute liver injury in rats. *Biomed Pharmacother.* 2017;95:1040-50.
7. **Kumar S, Bodla R,** Kant R. Non-targeted Analysis and Cytotoxic Activity of *Hamelia patens* Jacq. *Int J Pharm Sci Res.* 2018;9(3):1093-9.
8. **Manchanda S, Sahoo PK.** "Fabrication & characterization of mucoadhesive topical nanoformulations of Dorzolamide HCl for ocular hypertension". *Journal of Pharmaceutical Investigation.* 2018;48(3):323-332.
9. **Manchanda S, Sahoo PK.** "Topical Delivery of acetazolamide by encapsulating in Mucoadhesive nanoparticles." *Asian Journal of Pharmaceutical Sciences.* 2017, 12(6):550-557.
10. Kumar B, **Sahoo PK.** A study on an autoimmune disease-PSORIASIS. *International Journal of Pharmaceutical Research;* 9 (3);1-5
11. 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.
12. **Chauhan MK**, Yadav RP. A Review: Chitosan as 3D matrix for tissue engineering, *International Journal of Research in Pharmacy and Pharmaceutical Sciences* 2017;2(3):66-69.
 13. **Chauhan MK**, Jain K, Bioadhesive microspheres for tuberculosis drug delivery. *World Journal of pharmaceutical and Medical Research* 2017;3(7):252-255.
 14. Chauhan MK, Rajput T, Bilosomes: A bile salt based novel carrier system gaining interest in pharmaceutical research. *Journal of Drug Delivery and Therapeutics* 2017;7(5):4-16.
 15. Sharma P, Kumar V, Sharma BG, Nishad DK, **Chauhan MK**, Mittal G, Bhatnagar A. Development and gamma scintigraphy evaluation of di-sodium alpha ketoglutarate ocular gel for neutralizing the toxic effects of ammonia exposure. *Indian Journal of Nuclear Medicine*, 2017;32(12):S45-46.
 16. **Chauhan MK**, Yadav RP. Pharmaceutical Diversity of Chitin and Chitosan: A Review. *International Journal of Pharmaceutical Science and Research* 2017;2(2):6-11.
 17. **Chauhan MK**, Manisha Feracrylum: An Effective and Safe Topical Haemostatic Agent *World Journal of Pharmaceutical Research*, 2017;6(10):319-325.
 18. **Chauhan MK**, Verma A. Spanlastics: Future of drug Delivery and Targetting. *World Journal of Pharmaceutical Research* 2017;6(12):429-446.
 19. **Bajaj S**, **Wakode S**, Pharmacognostical evaluation and anthelmintic activity of *Swertia alata* Royle, *International Journal of Pharmaceutical Sciences and Research (IJPSR)* 2017; 8(8): 3315-3324.
 20. **Bajaj S**, **Wakode S**. Effect of extraction solvent on total phenol content, total flavonoid content, antioxidant and anti-inflammatory activity of *Artabotrys hexapetalus*, *International Journal of Biology, Pharmacy and Allied Sciences*, 2017, 6(8):1562-1577.
 21. **Bajaj S**, **Wakode S**. Evaluation of total phenolic, flavonoid, *In vitro* antioxidant potential and anti-inflammatory activity of successive extracts of *Swertia alata*. *Bulletin of Environment Pharmacology (BEPLS)*, 2017, 6(9), 73-81.
 22. **Bajaj S**, **Wakode S**, Khan W, HPTLC analysis and antiproliferative effect of various extracts of *Swertia alata* on growth of *Leishmania donovani* Promastigotes *In-vitro*. *Pharmacognosy Journal (PJ)*, 2017; 9(6) suppl: s107-s116.
 23. Kaur A, **Pathak DP**, Sharma V, **Wakode S**. 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;26:891-902.
 24. Bhutani R, **Pathak DP**, Kapoor G, Husain A, Ravikant, 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*** 77, 6-15, 2018.

25. Sharma N, Ojha H, **Pathak DP**, Goel R, Sharma RK. Ex-vivo complexation, skin permeation, interaction and cytodermal toxicity studies of p-tertbutylcalix[4] arene nanoemulsion for radiation decontamination. **Life Sciences**, 2017;168:65-76.
26. Agarwal U, **Pathak DP**, Kapoor G, Bhutani R, Roper R, Gupta V, Ravikant. *Review on Cuminum Cyminum - Nature's Magical Seeds*. Journal of Chemical and Pharmaceutical Research, 2017;9(9):180-187.
27. Roper R, **Pathak DP**, Gupta V, Agarwal U, Kapoor G, Bhutani R, Ravikant. *Apium Graveoleons - A Health Boon*. Int. J. Pharm. Sci. Rev. Res., 2017;9(9):180-187.
28. Agarwal U, **Pathak DP**, Bhutani R, Kapoor G, Ravikant. *Review on Camellia sinensis -Nature's Gift*. International Journal of Pharmacognosy and Phytochemical Research, 2017;46(1):95-99.
29. Sharma V, **Wakode S.R.** Structural insight into selective phosphodiesterase 4B inhibitors: pharmacophore-based virtual screening, docking, and molecular dynamics simulations, Journal of Biomolecular Structure and Dynamics. 2017; 35:1339-1349.
30. Sahu M, Siddiqui N, Iqbal R, **Wakode S.** Design, synthesis and evaluation of newer 5,6-dihydropyrimidine-2(1H)-thiones as GABA-AT inhibitors for anticonvulsant potential. Bioorganic chemistry, 2017; 74: 166-178.
31. Kaur A, **Wakode S**, **Pathak D.P**, Sharma P. Synthesis and biological evaluation of some new 5-(acylamino-2-(3,4,5-trimethoxyphenyl)Benzoxazoles as potential antibacterial and anti-inflammatory agents, 2017; 27:347-354.
32. Sahu M, Siddiqui N, Naim MJ, Sharma V, Alam O, Shahar Yar M, **Wakode S.** Design, synthesis and docking study of Pyrimidine-Triazine hybrids for GABA estimation in animal epilepsy models. Archive Pharma Chemistry Life Sciences. 2017; 350:e1700146.
33. Kumar H, **Wakode S**, Kaur A. Synthesis, characterization and biological evaluation of 3-acetylindole derivatives as antimicrobial and antioxidant agents. The Pharma Innovation Journal 2017; 6: 65-69.
34. Gulati S, **Wakode S**, Kaur A, Anand K, Synthesis, biological activity and recent advancement of benzothiazoles: a classical review. 2017;6:1842-1869.
35. Malhotra Y, **Wakode S**, Transfersomes: A novel technique for Transdermal drug delivery. British Journal of Pharmaceutical and Medical Research. 2017; 2:492-501.
36. Anand K, **Wakode S.** Development of drugs based on Benzimidazole Heterocycle: Recent advancement and insights. International Journal of Chemical Studies 2017; 5: 350-362.
37. Aggarwal N, Kaur A, Anand K, Kumar H, **Wakode S.R**, Biologically active Benzoxazole: A comprehensive review, International Journal of Pharmaceutical Science and Research, 2017; 2:1-5.
38. Somakala K, Amir M, Sharma V, **Wakode S.R**, Synthesis and pharmacological evaluation of Pyrazole derivatives containing Sulfonamide moiety, Montash Chem. 2017;147:20-29.

39. **Wakode S.R, Tonk R K.** Feronia Limonia- A Wonder Drug, Amin H, World Journal of Pharmacy and Pharmaceutical Sciences. 2017; 6: 1982-1994.
40. Sharma S, **Wakode S.R.** Quality by design approach for analytical method development,,World Journal of Pharmacy and Pharmaceutical Sciences. 2017; 6: 354-368.
41. **Parle A,** Singh G. Treatment and advances in Tuberculosis Research, International Journal of Pharmaceutical Science and Research. 2017; 2(4): 14-21.
42. **Parle A,** Arora T. Synthesis and antibacterial screening of some novel cinnamic acid derivatives. International Journal of Chemical Studies. April 2017; 5(3): 643-647.
43. **Parle A,** Arora T. Docking, synthesis and NDM-1 inhibitory activity of some novel cinnamic acid derivatives. The Pharma Innovation Journal. May 2017; 6(6): 119-123.
44. **Parle A,** Singh G. Synthesis, Characterization and Biological Evaluation of Novel Isonicotinic Acid Hydrazone Derivatives, European Journal of Biotechnology and Bioscience. 2017; 5(3): 21-27.
45. Sondh D, **Parle A.** Antiwrinkle agents – the way of regaining beauty. The pharma innovation international journal 2017; 6(6): 7-13.
46. Shaista A, **Parle A.** Benzothiazole- A Magic Molecule. International Journal of Pharmaceutical Sciences and Research. 2017; 8(12): 4909-4929.
47. Shaista A, **Parle A.** Synthesis, characterization and evaluation of novel 2-aryl benzothiazole derivatives as potential antibacterial agents. International Journal of Current Pharmaceutical Review and Research. 2017; 8(5): 342-349
48. **Himangini, Pathak DP,** Sharma V, **Kumar S.** Designing novel inhibitors against falcipain-2 of Plasmodium falciparum accepted in Bioorganic and Medicinal Chemistry Letters, 2018,28(9):1566-1569.
49. Nawaj S, **Bodla R,** Kant R, Singh SP, Bhutani R, Kapoor G. Fluoroquinolone as antimicrobial agent: A Review. International Journal of Pharmaceutical Science and Research. 2017; 2(3):57-63.
50. Vishnoi H, **Bodla R,** Kant R. Green tea (*Camellia Sinensis*) and its antioxidant property: a review. International Journal of Pharmacognosy. 2018; 5(3):123-135.
51. Sharma M, Kartha CC, Mukhopadhyay B, **Goyal RK, Gupta SK,** Ganguly NK, Dhalla NS. India's March to Halt the Emerging Cardiovascular Epidemic" Circulation Research. 2017; 121:913-916.
52. Hans M, **Gupta SK;** "Chronic obstructive pulmonary disease: A review"; International Journal of Pharmaceutical science & Research; 2017:1(7), 1-5.
53. Hans M, **Gupta SK;** Pharmacoeconomic Evaluation Methods. British Journal of Pharmaceutical and Medical Research, 2017:2 (2), 462-467.
54. Agnihotri S, **Gupta SK;** "Role of Clinical biomarkers in the management of Diabetic Cardiomyopathy by herbal drugs: current status and future challenges"; British Journal of Pharmaceutical and Medical Research, 2017.2(3), 492-501.
55. Gond AK, **Gupta SK;"** Diabetic

Retinopathy: Role of Traditional Medicinal Plants in its management and their molecular mechanism"; International Journal of Pharmaceutical science Invention, 2017:4(6), 38-43.

56. Soni D, **Gupta SK**; "Cardioprotective Effects of Rutin via Alteration in CK-MB and TNF-A Levels Coupled with antioxidant Effect in Isoproterenol Induced Myocardial Necrosis in Rats"; Indian Journal of Pharmaceutical Science & Resarch 2017:7(1).
57. Bhatt N, Naithani R, **Gupta SK**; "Supersaturated Calcium phosphate Rinse in Prevention and Treatment of Mucositis in Patients Undergoing Hematopoietic Stem Cell Transplant"; 2017.

Book Chapters

1. Awasthi R, **Manchanda S**, Das P, Velu V, Malipeddi H, Pabreja K, Pinto TDJA, Gupta G, Dua K. *Poly (vinylpyrrolidone)*. Engineering of Biomaterials for Drug Delivery Systems: Beyond Polyethylene Glycol 2018;1;255-269.
2. **Manchanda S**, Chandra A, Tekade RK. *Formulation additives used in Pharmaceutical Products: Emphasis on regulatory perspectives and GRAS*; Dosage Form Design Considerations; Vol I; Academic Press (Elsevier, January 2018)
3. Kaurav H, **Manchanda S**, Dua K, Kapoor DN. *Nanocomposites in Controlled & Targeted Drug Delivery Systems*. Nano Hybrids and Composites, 2018;20:27-45. (Transtech Publications Switzerland)
4. **Bajaj S**, **Manchanda S**. 'Nutraceutical and functional foods in cancer management and therapy'.

Nutraceuticals in disease prevention. (IGI Global International Publisher, Pennsylvania, USA) 2018;1:341-390.

Conference Presentations

1. Sharma PK, **Chauhan MK**, Deciphering the role of Rivastigmine scaffolds for Parkinsonism dementia, in 22nd Annual National Convention of Association of Pharmaceutical Teachers of India (APTICON), Lloyd Institute of Management & Technology, Noida, March 24' 2018.
2. 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 in **National Symposium on Research Methodology**, Jamia Hamdard, New Delhi, March 7' 2018.
3. Yadav M, Khanna G, **Chauhan MK** Vesicular System of Brinzolamide for Delivery to the Interior of eye in **Recent Advances in Pharmaceutical Sciences and Health**, Jamia Hamdard, New Delhi February 26' 2018.
4. Aggarwal R, Chetna, **Chauhan MK**, **Sahoo PK**, Clomipramine and Venlafaxine Multilayered Matrix Tablets in **Recent Advances in Pharmaceutical Sciences and Health**, Jamia Hamdard, New Delhi February 26' 2018.
5. Sharma PK, **Chauhan MK**, Exploring Integrated Topical Scaffold Patch System in **Recent Advances in Pharmaceutical Sciences and Health**, Jamia Hamdard, New Delhi February 26' 2018.
6. **Chauhan MK**, Singh MA, Chauhan A. Emerging trends of Nanotechnology in Health Care

- System in **Recent Advances in Pharmaceutical Sciences and Health**, Jamia Hamdard, New Delhi February 26' 2018.
7. Khurana S, Nasa S, Dhawan MK and **Chauhan MK**, Emerging trends in Transdermal Drug Delivery Systems in **Recent Advances in Pharmaceutical Sciences and Health**, Jamia Hamdard, New Delhi February 26' 2018.
 8. Sharma PK and **Chauhan MK** in **National Seminar on Nanomedicine and Nanotechnology in Health Care** organised at Apeejay Satya University, Gurugram, Feb 17' 2018.
 9. 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.
 10. 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.
 11. Manisha and **Chauhan MK**, Pharmaceutical Intellectual Property: An Attractive Target of Cyber Attack **A National seminar cum Workshop on IPR Awareness Programme**.
 12. **Chauhan MK** and Sharma PK, Rivastigmine loaded Nanostructured lipid carrier integrated scaffolds transdermal patch system for the treatment of Alzheimer's disease and Parkinson's disease dementia **international Conference on Novel Formulation Strategies** organized by SELECTBIO India, Hyderabad, 20-21 Apr 2017.
 13. **Chauhan MK** and Yadav N, Instantaneous self-assembly of a conformationally restricted ultrashort peptide into highly stable hydrogel for drug delivery and tissue engineering **5th Annual International Conference on Bioinformatics and Proteomics Driven Biomarker Developments**, sponsor by Indian Council of Medical Research (ICMR), organized by Chitkara University Punjab, 7- 8 April, 2017.
 14. **Chauhan MK** and Sharma PK, Exploring Oral Route for Amphotericin-B using Nanoparticulate System **National Symposium on Next Gen Challenges in Pharmaceutical Sciences** organized by Panjab University, Chandigarh, 17 March 2017.
 15. **Chauhan MK** and Sharma PK, Nanostructure lipid carrier integrated transdermal scaffold patch system for the treatment of dementia associated with various neurological disorders **International conference on Challenges in drug discovery and delivery** organized by BITS Pilani, India, 2-4 March, 2017.
 16. **Mathur R**, Nair J, Das U, Velpandian T. Butanol fraction of hydroalcoholic extract of leaves of *Aegle marmelos* fares better than Metformin, Pioglitazone or Rutin in ameliorating fructose induced insulin resistance in HepG2 cells. Oral presentation at 63rd Annual National conference of Association of Physiologists and Pharmacologists of India, at JIPMER, Puducherry from 12th-14th Oct, 2017.
 17. Sharma P, Nair J, **Mathur R**. Effect of *Aegle marmelos* L. Correa on short circuit current, a determinant of fructose transport, across the intestinal epithelia of rats chronically

- provided with fructose (15%) from post-weaning to adulthood stages of development. Poster presentation at Cardiovascular Research Convergence 2017: A scientific forum for exchanging research views between clinicians and basic scientists at Translational Health Science and Technology Institute (THSTI), Faridabad, India, August 12th, 2017.
18. Singh S, Malik D, Ibrahim M, Sharma P, Nair J, **Mathur R.** Effect of *Psidium guajava* Leaf Extract on Parameters of Hepatic Insulin Resistance Using Primary Hepatocytes Isolated from Mice. Paper presentation at 25th Annual Conference of Delhi Diabetic Forum DIABCON 22-23 April 2017, New Delhi
 19. Malik D, Ibrahim M, Singh S, Sharma P, Nair J, **Mathur R.** Effect of *Nigella sativa* seed Extract on Parameters of Hepatic Insulin Resistance Using Primary Hepatocytes Isolated from Rodents. Paper presentation at 25th Annual Conference of Delhi Diabetic Forum DIABCON, 22-23 April 2017, New Delhi.
 20. Ibrahim M, Singh S, Malik D, Sharma P, Nair J, **Mathur R.** Effect of *Aegle marmelos* leaf Extract on Parameters of Hepatic Insulin Resistance Using Primary Hepatocytes Isolated from Rodents. Paper presentation at 25th Annual Conference of Delhi Diabetic Forum DIABCON 22-23 April 2017, New Delhi
 21. Sharma P, Nair J, **Mathur R.** Acute intake of high fructose adversely alters hepatic GLUT2 expression in developing rats that may be mitigated by *Aegle marmelos* (L.) Correa. Poster Presented in 9th Annual Conference of International Academy of Cardiovascular Sciences (IACS 2017), Vallabhbhai Patel Chest Institute, New Delhi
 22. Jayachandran Nair CV, Ahamad S, Khan W, Anjum V, **Mathur R.** Simultaneous HPTLC determination of Rutin, Quercetin and Gallic Acid from medicinal plants. Oral presentation at International Conference on Challenges for Global Competitiveness of AYUSH and natural products and IASTAM oration and award function at DPSRU, New Delhi from 2nd -4th Feb, 2018.
 23. **Bajaj S.** Presented Poster in National seminar on '**Current Regulation on herbal drugs and food supplements**' held at Jamia Hamdard on 16th May, 2017.
 24. **Parle A.** Poster presentation on Jack Fruit: A Health Boon in 5th National Conference of Pharmacoeconomics and Outcomes Research held on 3-4 March 2017, at Delhi Pharmaceutical Science and Research University, New Delhi.
 25. **Parle A.** Presented a paper entitled "Synthesis, Characterization and Evaluation of Novel 2-Aryl Benzothiazole Derivatives as Potential Antifungal Agents" in APTICON, 24th March 2018, at LOYYD institute of pharmacy, NOIDA.
 26. **Parle A.** Presented paper entitled "Pandanus- flavour, food and medicine" in APTICON 2017- 3rd Annual Convention of APTI Punjab State Branch at USPS, Rayat Bahra University, Punjab April 13-14, 2017
 27. **Parle A.** Poster presentation on Jack Fruit: A Health Boon in 5th National Conference of Pharmacoeconomics and Outcomes Research held on 3-4 March 2017, at Delhi Pharmaceutical

Science and Research University,
New Delhi.

Oral Presentation

1. **Manchanda S, Sahoo PK, Himangini, Bajaj S.** *Immobilization of Moringa oleifera flower extract on chitosan nanoparticles and investigation of their effects on fungal species.* International Conference on Challenges For Global Competitiveness of AYUSH and Natural Products and IASTAM Oration & Award Function 2018, In Delhi Pharmaceutical Sciences & Research University (DPSRU). New Delhi
2. **Himangini, Pathak DP, Bajaj S, Manchanda S.** *Evaluation of antifungal activity of alcoholic extracts of Musa Sapiens flower Vs Nanoparticles of alcoholic extracts of Musa Sapiens.* International Conference on Challenges For Global Competitiveness of AYUSH and Natural Products and IASTAM Oration & Award Function 2018, In Delhi Pharmaceutical Sciences & Research University (DPSRU). New Delhi
3. **Bajaj S, Wakode S, Manchanda S, Himangini.** *Effect of Encapsulated A. hexapetalus Nanogel Extract towards the pathogenic fungus strain.* International Conference on Challenges for Global Competitiveness of AYUSH and Natural Products and IASTAM Oration & Award Function Feb 2018, In Delhi Pharmaceutical Sciences & Research University (DPSRU). New Delhi

Awards

1. **Mathur R:** First Prize For Best Paper Presentation : Effect of *Nigella sativa* seed extract on parameters of hepatic insulin resistance using primary hepatocytes isolated from

rodents. Malik D, Ibrahim M, Singh S, Nair J, Sharma P, **Mathur R.** Oral presentation in Delhi Diabetic Forum DIABCON, 2017, India.

2. Sharma PK, **Chauhan MK,** Deciphering the role of Rivastigmine scaffolds for Parkinsonism dementia, in 22nd Annual National Convention of Association of Pharmaceutical Teachers of India (APTICON), Lloyd Institute of Management & Technology, Noida, March 24' 2018. **Second Prize**
3. Sharma PK and **Chauhan MK,** Exploring Integrated Topical Scaffold Patch System in **Recent Advances in Pharmaceutical Sciences and Health,** Jamia Hamdard, New Delhi February 26' 2018. **First prize**
4. **Chauhan MK** and Yadav N, Instantaneous self-assembly of a conformationally restricted ultrashort peptide into highly stable hydrogel for drug delivery and tissue engineering **5th Annual International Conference on Bioinformatics and Proteomics Driven Biomarker Developments,** sponsor by Indian Council of Medical Research (ICMR), organized by Chitkara University Punjab, 7- 8 April, 2017. **First Prize**

Distinguished Recognition

5. **Mathur R:** Poster Evaluation Judge at Translational Health Science and Technology Institute (THSTI), Faridabad, India, August 12th, 2017.
6. **Mathur R:** Scientist from Other Institute, IAEC-National Institute for Malaria Research, New Delhi
7. **Mathur R:** Member- IAEC-National Institute of Pathology, New Delhi
8. **Mathur R:** Link Nominee, IAEC-All India Institute of Medical Sciences, New Delhi

9. **Mathur R:** Expert for Inspection of Manufacturing Unit for Government Medical Store Depot
10. **Mathur R:** Member- IAEC-National Institute of Pathology, New Delhi
11. **Mathur R:** Link Nominee, IAEC-All India Institute of Medical Sciences, New Delhi
12. **Sahoo PK:** Expert Member of CSIR extramural research division.
13. **Sahoo PK:** Expert Member of Visiting expert member of Pharmacy Council of India, New Delhi
14. **Sahoo PK:** Expert Member of All India Council of Technical Education of India, New Delhi
15. **Sahoo PK:** Expert Member of University Grants Commission, New Delhi
16. **Sahoo PK:** Expert Member of Association of Indian Universities, New Delhi
17. **Sahoo PK:** Expert Member of Academic council member of University of Delhi, Delhi
18. **Sahoo PK:** Head, Department of Pharmacy, University of Delhi.
19. **Sahoo PK:** Expert Member of Research council Member of suresh gyan Vihar University, Jaipur.
20. **Sahoo PK:** EC member of Indian Pharmaceutical association.
21. **Chauhan MK:** Judge for the 'Smart India Hackathon', Software Edition 2018 organised by MHRD with ACITE represented Govt of NCT of Delhi at GNIT, Kolkata, India March 2018.
22. **Manchanda S:** Ex- Joint Secretary & now EC member DIPSAR Alumni Forum (DAF)
23. **Manchanda S:** Treasurer Student Union
24. **Pathak DP:** Chairman of Institutional Ethics Committee, INMAS-DRDO
25. **Pathak DP:** Member of Rational Institutional Ethical committee
26. **Pathak DP:** Member of board of research studies of MDU, Rohtak.
27. **Pathak DP:** Member of board of research studies of Jivaji University, Gwalior.
28. **Pathak DP:** Member of U.G. & P.G. Board Of Studies, DIPSAR, New Delhi
29. **Pathak DP:** Member of U.G. & P.G. Board Of Studies, Jamia Hamdard, New Delhi
30. **Pathak DP:** Member of course expert committee of IGNOU for PGDPSM course.
31. **Wakode S:** Board of studies member, Dept of Pharmacy, Central University of Rajasthan, Kishangarh.
32. **Wakode S:** Board of studies member, Lachoo Memorial College of Science and Technology, Jodhpur, Rajasthan.
33. **Wakode S:** Expert, in Technology Development Board (TDB), a statutory body under DST, Govt. of India, 21st July 2017.
34. **Wakode S:** Expert, in Joint inspection of Private Drug Testing Laboratories approved in Form-37 of Schedule A of D&C Rules, 1945, in Panchkula, Haryana, 4th October -7th October 2017.
35. **Wakode S:** Expert, in joint inspection of Drug Testing laboratory by Govt. Medical store depot, New Delhi, 2nd August 2017.

Academic Activities, Collaborations, International Conference And Workshops

Dr. Madhu Gupta and
Dr. J. Saminathan

ACADEMIC ACTIVITIES

Deputy Chief Minister Manish Sisodia inaugurates the incubation center and sports pharmacy

Hon. Deputy Chief Minister Shri Manish Sisodia on Tuesday inaugurated Sports Pharmacy Centre and Incubation Centre at Delhi Pharmaceutical Sciences and Research University (DPSRU).

In the function, Hon. Deputy Chief Minister Shri Manish Sisodia said that government expects that DPSRU established as a model pharmacy centre

not only in India, but throughout the world that will be able to identify and bridge the gap between academia and pharmaceutical companies. He focused that the top priority of this university is the research and innovation. The students that passed out this university need to think about what they can back to the society. He also honored the students that have been awarded with their academic excellence and cultural activities.

Education Secretary Puniya Salila Shrivastava said that right from the inception of the university, expectations





have been high and it was commendable that new courses have been introduced and the intake capacity of the students increased, since the university came into existence Sept. 2015.

Prof. Ramesh K. Goyal Vice chancellor, DPSRU had visited three universities in Russia and signed MoU with Stavropol State Medical University. Prof. Ramesh K. Goyal shared his views and said that our number of courses has tripled in the past one year. DPSRU has begun perhaps the first in the world a degree courses in Sports Pharmacy with 80 students admitted in the very first year. The University has introduced the three year B.Sc. course in sports Science and Two Year Diploma courses in sports fitness, infrastructure and event management. This academy is associated with sport discipline or group of sports disciplines, on a continuation basis, to provide the requisite support in terms of nutrition, psychology, medicine, pharmacology, physiology, bio-mechanics as well as other branches of sports sciences. The administrator hopes that it can help students in achieving their dreams to work in the sport industry, thereby resulting in the growth of the overall sports industry in India.

The University has a strong research base. Recently Govt. of NCT started various incubation centers in different universities and institutions of Govt. of NCT of Delhi. Shri Sidodia inaugurated DPSRU Innovation and Incubation Foundation (DIIF). During the visit Shri Sisodia interacted with students and staff of the 4 starts ups that began on this remarkable day during the inauguration of the foundation. These start ups are: Air mask, Cold chain management solutions, Novel Product for Diabetic Foot Ulcer and Sports medico.

Orientation Programme

The organized an Orientation Programme for the newly admitted M. Pharm/ Pharm MBA/ MPH/ MHM students at the university auditorium 14th Sept.2017.

The 14th Sept. 2017 was marked as a memorable day in the life of every fresher. The orientation programme was a day that was filled with excitement, joy, music, enthusiasm, laughter and happiness. DPSR University welcomes the PG students and all guest speakers Prof. R.K. Khar (Ex-Dean, Jamia Hamdard), Dr. Arun purohit (Ex-Vice President, Ranbaxy Global Market), and Sh. Satya Narayanan (Founder

and Chairman, CL Educate), who graced the occasion with their presence. The programme was celebrated in the presence of our Honorable Vice Chancellor Prof. R.K Goyal, Registrar of the University Prof D.P. Pathak, Principal & Dean, Pharmaceutical Sciences, Prof. Harvinder Popli, Distinguished Professor Prof. S.K Gupta, Dr. Madhu Gupta and Dr. Ajit Thakur (co-ordinator of Programme), and faculty members of DIPSAR and DPSRU, administrative staff and students.

The celebration of Orientation started off sharp at 09:30 AM with the opening prayer of goddess Saraswati with the Lamp Lightening, University Songs followed by the welcome address by

Prof. Harvinder Popli. She expressed a brief description of the university, which included the motto, history and reputation of university. The freshers were formally welcomed into the DPSR family, and the guest speakers were introduced.

After then, a brief introduction of the University was given by Prof. D.P. Pathak. Then, orientation programme was started with the blessings of Honorable Vice Chancellor Prof. Ramesh K. Goyal, while delivering a speech on the occasion, said that it was not the events but the attitude that caused success as well as an introduction regarding the academic disciplines.

To aware the Pharmaceutical sciences and its scope, the first speech was presented by Prof. R.K. Khar on the topic 'Pharmaceutical Sciences: Moving with the new time'. His interactive lecture followed by 'Global Healthcare: An Industrial Perspective' by Dr. Arun Purohit. After that, next interactive session was delivered by Mr. Satya Narayanan R. on the Today's demanding aspects as Innovation & Entrepreneurship: Today & Tomorrow. He discussed the importance of entrepreneurship and how



innovation and incubation centre set up at the college can facilitate in shaping and honing startups at the institute. He further discussed the vital role of development of new technologies. After then, Pharma Annual 2017 released by the delegates.

Dean Academic Affairs, after that presented a brief on academic structure of the institute, along with grading scheme and results. All other faculty of DPSRU/ DIPSAR enlightened the students about various electives which can be opted by the students and their importance in research, and elaborated about PG programs offered at the institute.

Librarian of the institute explained in detail about the vast inventory of literature available at the library, both in form of book as well as e-books. He also proposed implementation of digital library in coming years. Further, all the facilities present at the library were given a short mention, like wifi, LAN, reading halls, journals.

Next up, was the interactive session between the first year and final year PG students with various activities such as quiz competition, poster session and fun games. The students displayed their skills

and conveyed their messages through their posters, which came out to be 100 in number. The winners were awarded by the prizes. The program concluded with the vote of thanks and finally all the freshers including the senior's rocked the show and enjoyed the celebrations and all thanked the HOD, staff and seniors students for hosting such a nice program that they could cherish lifelong. All the faculties and students participated in this programme with great enthusiasm. The 1-day extravaganza came to an end with the provision of refreshments.

National Pharmacy Week 2017 and roundtable discussion

On the occasion of 56th National Pharmacy Week (NPW) celebrations, an e-Poster competition and roundtable discussion on "Prescribing Generic Versus Branded Medicines: Impact & Implications on Healthcare" were organized on 21st November 2017 in collaboration with Indian Pharmaceutical Association (IPA)-Delhi State Branch. The objective of the roundtable was to sensitize and create awareness towards prescribing medicines either generics or branded in India and accountability of healthcare professionals like practitioners, industry professionals, pharmacists, etc. to follow





the best practices in healthcare.

Aravalli Biodiversity Park Visit

An educational trip to Aravalli Biodiversity Park (ABP), New Delhi was conducted for the Faculty, Post Graduate and Pre-PhD students of DPSRU on 17th March 2018 on the call of Lieutenant Governor of Delhi Anil Bajjal's offer to explore the possibility of utilization of the herbal wealth of such parks for study and research. The purpose of the field visit to Aravalli Biodiversity Park was to explore the abundant and rare flora and fauna in the area and to identify the potential plants for development of herbal formulations.

The Aravalli Biodiversity Park is spread over an area of 692 acres of land located

on north west of Vasant Vihar, New Delhi. The area was highly degraded due to past mining activities and the native biodiversity was nearly extinct. As a result of amalgamation of science and administration, the degraded terrain of ABP has been ecologically transformed into a wide range of forest ecosystem in less than a decade. The entire stretch was made vehicle free and has two major zones: the visitor Zone and Natural reserve zone.

DPSRU team headed by Vice Chancellor Prof R.K Goyal was welcomed by Prof C.R Babu, Former Pro-Vice Chancellor of Delhi University and Project In Charge of Aravalli Biodiversity Park and emphasized the importance of ecology, conservation of natural resources and



offered to DPSRU for collaboration with biodiversity park for a fruitful outcome. A team of Scientists and Ecologist entrusted with Biodiversity Park Programme accompanied the group from DPSRU.

Industrial visit cum training program at Oriflame Sweden Ltd., Noida

Delhi Pharmaceutical Sciences and Research University organized an industrial visit cum training program for the students of M. Pharm II semester (Cosmeceutics) on 7th May 2018 to Oriflame Sweden Ltd Noida. The purpose of organizing this visit was to familiarize students with the cosmetic industrial set up and manufacturing process of cosmeceuticals preparation cream, shampoo, facial scrub, face wash and many more from practical point of view. The students visited different departments and sections of Oriflame manufacturing, quality control section,



packaging section, storage area of various cosmetic preparations etc. The officials at Oriflame Sweden Ltd were also impressed with curiosity of our students to learn the subject. The students were escorted by faculty coordinator Dr. Harvinder Popli and Dr. Madhu Gupta, DPSRU.

The industry coordinator Dr. Jagjit Singh, Mr Vijay Kumar Kalra, Ms.Aradhna Dubey, Quality Head and Mr. Santosh, Production head who continuously guided and interacted them about various important agenda. During the trip, students gained practical knowledge about the handling of the raw materials having different characteristics and properties.

Industrial Visit to Surya Herbals Ltd

Delhi Pharmaceutical Sciences and Research University organized an industrial visit for the students of M. Pharm II semester (Industrial Pharmacy) on 17th April 2018 to Surya Herbals Ltd Noida. The purpose of organizing this visit was to familiarize students with the industrial set up and manufacturing process of oral, topical and parenteral dosage form preparations from practical point of view. The students visited different departments and sections of pharma industry like manufacturing of solid, semi solid, liquid dosage forms, filling and their labeling and Packaging etc. The students were escorted by faculty coordinator Dr. Sushama Talegaonkar and Industry coordinator Mr. K K Jain who continuously guided and explained them about processing of pharmaceutical products during the industrial visit. The students were very happy and felt enriched after visiting this pharma manufacturing plant.



DPSRU visited by Pharmaceutical Society of Sri Lanka

Pharmaceutical Society of Sri Lanka visited and had interaction with the staff and students of Delhi Pharmaceutical Sciences and Research University on 27th April 2018. Prof. Raman Dang, Registrar, DPSRU, Ms. Chinta Abhayvardhan (Past President) and Mr. Sudath Hewage (Present President) SEAR Pharm forum, Prof. Harvinder Popli, Prof. D.P. Pathak, Dr. Madhu Gupta, Co-ordinator, DPSRU with 25 delegates of Pharmaceutical Society of Sri Lanka (PSSL) with DPSRU faculty members and Doctoral students were present in the meeting. Ms. Chinta

Abhayvardhan and Mr. Sudath Hewage expressed desire to have a link between the national associations, WHO-SEARO and the federation of international pharmacists (FIP). The interaction created has unique relation between DPSRU and SEAR Pharm forum that ultimately lead to mutual benefit about research professionals and healthcare team.

The Srilankan, delegation visited various departments and decided to enhance mutually the knowledge for to setting up standards of drugs, upgradation of drug related information addressing the healthcare needs of populations and patients. It was suggested that the learning should focus on capacity building programs with research facilities and programs. The goals of collaboration with Pharmacy University and Pharmaceutical Society of Shri Lanka will be to innovate and bring out commercialization through industry participations at large and update the existing courses accordingly and to develop new courses.



COLLABORATIONS

Research Startup Discussion with Indo-Malaysian Interactive Session

Delhi Pharmaceutical Sciences and Research University established collaboration with University Sains Malaysia on 7th July 2017 to promote institutional cooperation, Strengthen strategic collaboration, Joint research programme and exchanges between DPSRU with Universiti Sains Malaysia. Prof. Habibah A Wahab, Dean, School of Pharmaceutical Sciences, Universiti Sains Malaysia, Prof. Syed Azhar Syed Sulaiman and Dr. Vikneswaran visited DPSRU University for setting and establishing a between newer horizon of research level between India and Malaysia. The formal Function was initiated with lighting of the lamp & Invocation-University song. Welcome address & presentation of vision & mission of DPSRU University by Prof. Ramesh K. Goyal and introduced the university, the governing body, study programmes, research programmes and achievement. In positioning India as a country to excel in sports, DPSRU has been mandated to develop academic curriculum as well as

research programme in Sport Science.

DPSRU has been set up with the vision to prepare quality Pharmacist, Pharmaceutical Scientist, Physiotherapists, Hospital managers and Public Health professionals for the country. Adequate guidance, extensive training with broad vision is provided to students through multi-dimensional programmes by the experienced faculty and industry-institute interaction coupled with latest tools and techniques to make them potential leaders, research scientist and entrepreneurs with assured placement in their chosen profession.

Prof. Habibah A Wahab, Dean, School of Pharmaceutical Sciences, Universiti Sains Malaysia presented the Commemoration talk on about their university/school/ research and highlighted the nature of ongoing research activities in Universiti Sains Malaysia and the challenges in collaborative research regarding biopharmaceutics studies and design of novel drug delivery system.

Both Universities agreed to undertake a joint-research programme, leveraging the existing strength on disease area of common interest, i.e. Diabetic/





ageing, therapeutic and molecular basis of the disease, formulation science and strategy, pharmacogenetics and metabolomic, the pre-clinical, clinical as well as pharmacovigilance. With this research programme both parties envisioned to promote elements such as joint research funding application, joint-supervision, and faculty and student exchange, mobility programmes. This research discussion programme ends up with general discussion on how the Indo-Malaysian interaction can be taken up to the next level and Indian & Malaysian National Anthem ceremony.

MoC with Translational Health Science and Technology Institute, Faridabad, Haryana

A Memorandum of Collaboration (MoC) was signed between DPSRU and Translational Health Science and

Technology Institute (An autonomous Institute of Department of BioTechnology), Faridabad (THSTI) on 12th August 2017. This MoU was signed by Prof. Shinjini Bhatnagar, Dean-Clinical Research, Head-Paediatric Biology centre, THSTI and Hon'ble Vice Chancellor Prof. Ramesh K. Goyal, DPSRU in presence of Dr. Shailendra Asthana, THSTI. DPSRU and THSTI collaborate in various activities such as Drug Discovery & Development Research in small molecules and biologicals, Biomarkers research for understanding disease mechanisms, diagnostics validation and diagnostics development in collaborative research projects, co-supervisor for research scholars, internship for students and collaborative educational programmes.

Memorandum of Agreement with Stavropol State Medical University (STSMU), Russia

Prof. Ramesh K. Goyal, Vice-Chancellor, Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi signed MoU with Stavropol State Medical University (StSMU), Russia on 25th September 2017 for various academic and research program including faculty exchange. The main features of the agreement are to explore and made possibility of joint projects for



student and faculty exchange, designing of joint courses and to collaborate research projects, teaching learning materials and other literature relevant to their educational scientific and research programmes. Joint organisation of seminars, conferences, workshops and short/long term continuation education programmes on topics of mutual interest, exchange of faculty & students, competency based teaching through formal as well as Health and Family welfare programmes, preparing effective curricular activities to meet international standards in accordance with the syllabus of the universities.

Collaborative Tie up Programme & Signing of MoU between National Heart Institute, New Delhi

Delhi Pharmaceutical Sciences and Research University (DPSRU) signed MoU with National Heart Institute (NHI), New Delhi in presence of dignitaries as Prof. Ramesh K. Goyal, Hon'ble Vice-Chancellor, DPSRU, Dr. O. P. Yadava, CEO & Chief Cardiac Surgeon, NHI, Dr. Shridhar Dwivedi, Member BOG and Dr. Arun Kumar Agarwal Member BOG on 30th October 2017 with common goals related to research activities in the area

of and seek to develop collaborations and exchange between themselves in the areas of shared research interest and expertise. This MoU serves as a written understanding of mutually agreed principles, between the NHI and the DPSRU to guide the academic and research activities between them. The general purpose of this collaboration is to stimulate and provide research opportunity to the Physiotherapy clinical training, demonstrations fieldwork, post-graduate students and other senior.

MoU signed between the University Sains Malaysia

Prof. Ramesh K. Goyal, Vice-Chancellor, Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi signed MoU with Universiti Sains Malaysia, Penang, Malaysia on 3rd November 2017, for various academic and research program including extensive training with broad vision is provided to students through multi-dimensional programmes by the experienced faculty and industry-institute interaction coupled with latest tools and techniques to make them potential leaders, research scientist and entrepreneurs with assured





placement in their chosen profession. Prof. Datuk Dr. Asma ismail, Hon'ble Vice chancellor, University Sains Malaysia has been made an agreement for the mutual exchange of faculty and students, joint education Programs, joint research and development programs, joint workshops and training programs, and also to work together on various projects.

In a recent visit to Penang, Malaysia, Prof. Ramesh K. Goyal, invited as plenary speaker, on 13th MPS-USM Pharmacy Scientific Conference 2017, 3-5th of November, 2017 at the Bayview Beach Resort, Batu Feringhi, Penang Island. Prof. Goyal discussed possibility

of joint projects for student and faculty exchange, designing of joint courses and collaborate research projects as well as research current progress and foster collaboration in the various fields of pharmacy.

MoU signed between DIIF and CL Educate

A Memorandum of Understanding (MoU) was signed between DPSRU Innovation and Incubation Foundation (DIIF) and CL educate on 18th December, 2017 in Delhi Pharmaceutical Sciences and Research University. This MoU was signed by Prof. Ramesh K. Goyal, Vice Chancellor, DPSRU with additional charge of Director, DIIF, and



Mr. Nikhil Mahajan, Executive Director & CEO, CL educate to improve the entrepreneurship and start-up ecosystem and assist innovators, researchers and entrepreneurship aspirants in the university.

This MoU was signed for fostering collaboration on research, innovation and start-up incubation through CL Educate's Worldwide Academia Industry Network (WAIN), an open innovation platform. WAIN, officially launched in 2016, is an initiative launched by CL Educate Limited, Asia's largest edu corporate to bring together a host of stake holders who play a crucial role in creating a fertile innovation ecosystem in the country. The objective of WAIN Platform is to provide interlinked opportunities to both Academic Institutions and Companies to work together in areas such as 'Research and Innovation', 'Academia-Industry Development Programs' and create an innovation ecosystem for growth in India. The platform provides opportunities of corporate sponsored open research in Indian institutes, corporate funded research scholarships, for spotting application-oriented skilled talent and promoting transferable knowledge from academia to industry. This MoU will enable creation of robust healthcare and wellness start-up ecosystem on WAIN and DPSRU and showcase of youth driven innovations from DPSRU on WAIN before global industry and academic stakeholders. With this MoU and partnership of DIIF with CL Educate, the readiness of the university to take-off as an incubator seems to be complete.

MoC between Institute of Nuclear Medicine & Allied Science & DPSRU

A Memorandum of Collaboration (MoC) was signed between Delhi Pharmaceutical Sciences and Research University (DPSRU) and Institute of Nuclear Medicine & Allied Science (INMAS) on 19th December, 2017. This MoC was signed by Prof. Raman Dang, Registrar, and Dr. A.K. Singh, Director, INMAS to enhance the research services to pharmaceutical, biotech, medical devices.

Prof. Raman Dang gave the welcome speech, introduced the university and formally welcomed the dignitaries. Dr. A.K. Singh, Director, INMAS shared his thoughts and experience and facts of research areas, interdisciplinary research about INMAS, Delhi. Prof. Prof. Ramesh. K. Goyal, Hon'ble Vice-Chancellor envisioned the vision and mission of DPSRU. Prof. D. P. Pathak offered the vote of thanks for the MoC event.

This MoC will provide benefits to students through multi-dimensional programmes by the experienced faculty and industry-institute interaction coupled with latest tools and techniques to make them potential leaders, research scientist and entrepreneurs with assured placement in their chosen profession.





Academic Collaboration with National Institute of Pharmaceutical Education and Research, Raebareli

A Memorandum of Understanding was signed between Delhi Pharmaceutical Sciences and Research University (DPSRU) and National Institute of Pharmaceutical Education and Research (NIPER), Raebareli on 5th March, 2018 by Prof. Ramesh K. Goyal, and Dr. S.J.S. Flora, Director, NIPER. The following areas of Cooperative academic engagement, Exchange information on research and education programmes, teaching and learning material etc, Faculty interaction, jointly organize short-term continuing education programmes, seminar, conferences and workshops on topics of mutual interest with jointly propose and engage in research projects and joint publications as a result of collaborative research. Dissertation projects and visits for NIPER, Raebareli or training programmes sponsored by funding agencies and to exchange on a reciprocal basis researchers and students for limited period.

Academic Collaboration with Lloyd Institute Management and Technology, Greater Noida

DPSRU signed MoU with Lloyd Institute Management and Technology, Greater Noida, by Prof. Raman Dang, Registrar, and Dr. Vandana Arora Sethi Director, Lloyd Pharmacy College, in presence of Dr. S. Eswara Reddy, DCGI India, Prof. Ramesh K. Goyal, Hon'ble Vice Chancellor, and Mr. Manohar Thairani, on 24th March, 2018. This academic collaboration would be established for linking the mutual agreement with academic events, teaching, training and research for Post Graduate and Doctoral



students as well as provide support in terms of Infrastructure facilities and equipments for R& D with applying for funding from national and international agencies, governments and other funding agencies for collaborative joint projects.

Signed MOU with Apollo Hospital Education and Research Foundation

A Memorandum of Understanding (MoU) was signed between Delhi Pharmaceutical Sciences and Research University (DPSRU) and Apollo Hospital Education and Research Foundation (AHERF) on 16th April, 2018 by Prof. Raman Dang, and Dr. Gautam Kumar Saha (Scientific Associates), AHERF in the presence of Prof. Ramesh K. Goyal, Professor Nirmal Kumar Ganguly (President, AHERF), Dr. Sanjeev Sharma, Dr. Sunita Kumari, Dr. Gautam, Prof. Raman Dang, Prof. D.P. Pathak, Prof. Harvinder popli. The purpose of this MoU was, to develop jointly research projects in the areas of clinical research with good standards and values. In addition, the University will develop various training programs jointly like Post-Graduate Diploma in Clinical Research.

On this occasion Professor Nirmal

Kumar Ganguly envisioned his thoughts, experience and facts of clinical 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 also provide benefits to students of BPT, MHM, and MPH through multi-dimensional programmes by the experienced faculty and hospital-institute interaction coupled with latest tools and techniques like use of Bio-informatics tools for predictive models in diagnosis, prognosis, treatment and follow up, and validation of the same using experimental techniques. This will help development of potential leaders, initiating new joint educational and training programs of national need and relevance in the fields of Clinical Trials, Clinical Research and allied areas with assured placement in their chosen profession.

INTERNATIONAL CONFERENCE ON AYUSH AND NATURAL PRODUCTS

The International Conference on challenges for global competitiveness of Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homoeopathy (AYUSH) and natural products was organized during 2nd to 4th February



2018. It was organized jointly by DPSRU with International Association for the Study of Traditional Asian Medicines (IASTAM) and DPSRU and participants from various units of AYUSH and Ayurvedic colleges along with Faculty of Pharmacy colleges participated.

The three-day conference was inaugurated by Hon'ble Lt. Governor Shri Anil Bajaj Ji, While delivering the inaugural address he emphasized on the role of herbal products as traditional medicines in the global market and called for exploring the potential of Asian medicine for economic development of the country by not only creating sustainable market for herbal products, but also to collaborate with the Biodiversity Park for exploring the further research and innovation in natural heritage. He expressed the view that it is essential to develop 'Centre of Excellence' for AYUSH integrating different disciplines of pharmaceutical sciences with traditional systems of medicine leading to globally acceptable safe, affordable and quality products for the benefit of the people.

Prof. R.K. Goyal, briefed that the conference was attended by over 650 delegates and more than 300 abstracts

were received for oral as well as for poster presentations. He stated that the objective of the conference was to overcome boundaries, whether they are geographical or subject disciplines, ancient versus modern science and to deliberate on challenges faced in India for the promotion of traditional medicine practice. Dr. Goyal pointed out that a special session of conference was deliberated on the formation of syllabus in Ayurveda, Unani and Homeopathic pharmacy to raise the standards of the products from traditional medicines.

Dr. Narendra Bhatt, President, IASTAM highlighted the activities of IASTAM and the role played by the organization in research and development of the herbal medicinal system. He also felicitated and honoured awardees by IASTAM Oration Awards, IASTAM-BVU Awards and IASTAM Baidyanath Awards for their excellent work in the field of traditional Asian medicinal system.

Prof. V.M. Katoch, Secretary, Former Director General, ICMR and Guest of Honour on the occasion enlightened the gathering about the role of herbal medicine in human health care system and recent innovations and trends



in herbal product development. He also emphasized on standardization of treatment methods along with importance of role of quality assurance, pharmacogenomics in integrated medicine.

On the second day of the conference many stalwarts like Mr. Mark Rosenberg, European Academy of Ayurveda - REAA, Birstein, Germany, Prof. Larry Walker, University of Mississippi, USA and Dr. Ram Vishwakarma, Director CSIR- IIM, Jammu India, shared their valuable views with the participants.

Dr. Ikhlas Khan, National Center for Natural Products Research, USA, while delivering his talk mentioned that the use of herbal medicine has expanded globally and gained popularity, but the safety and efficacy as well as quality control of herbal medicines are matters of concern for both health authorities and the public. He also mentioned that “omics” technologies are promising new avenues for improving the discovery from this rich and vast reservoir of plant drugs. Dr. Karan Vasisht, University Institute of Pharmaceutical Sciences, Panjab University, Chandigarh, delivered talk on Applications of Modern techniques in herbal analysis. Dr. Kishor Patwardhan, Faculty of Ayurveda, BHU, Varanasi suggested policy interventions in the

matters related to Ayurveda drug safety.

There was a thought provoking session about opportunities with traditional medicines in which, Dr. Shridhar Dwivedi, Senior Consultant Cardiologist, National Heart Institute, New Delhi delivered a talk on Holistic Approach to Prevent Current Pandemic of Non Communicable Diseases. He stated that it is entirely possible to prevent the further surge of these illnesses by integrating our rich heritage of yoga, Ayurveda with modern scientific recommendations of American Heart Association, European Heart Society on prevention of various heart diseases.

Dr. D.B.A Narayana Former Director, Regulatory Affairs, Foods & HPC, Unilever Research, Bangalore expressed that well formulated and stable botanical products with adequate quality specifications holds the key for future delivery of health care. Dr. Jai Prakash Senior Principal Scientific Officer, Indian Pharmacopoeia Commission, Ghaziabad., threw light on role of Indian Pharmacopoeia Commission in ensuring quality of herbal drugs while DR. Arun Gupta, Head - Medical Affairs & Clinical Research, Dabur R & D Centre presented a regulatory overview of the herbal drug development. Other dignitaries such as Prof. Anand Chaudhary, Faculty of



Ayurveda, Institute of Medical Sciences, Banaras Hindu University, Prof. Kanchan Kohli, Head and Professor, Department of Pharmaceutics, Faculty of Pharmacy, Jamia Hamdard highlighted role on nanomedicines in delivery of Ayurvedic and herbal formulations respectively.

Prof. R. C. Deka, erstwhile Director of AIIMS, delivered Valedictory address and appreciated the efforts of DPSRU and IASTAM for bringing together best brains in the country for deliberating on AYUSH and natural products. On this occasion, Guest of Honour, Dr. Markanday Ahuja, Vice Chancellor, Baba Masthath University congratulated the

participants on the successful completion of the conference and encouraged them to use the knowledge acquired to bring positive changes to their society and nation. This was the culmination of 3 days conference, in which about 300 researchers presented their view on various aspects ranging traditional medicine. The awards for “Best oral and poster presentations” were distributed by dignitaries. Dr. Mahaveer Dhobi, organizing secretary, summarized the proceedings and outcomes of the conference. Dr Raman Dang, Registrar, DPSRU presented vote of thanks.





WORKSHOPS

Workshop on Ideation to Concept for Start-Ups

The workshop on 'Ideation to Concept for Start-ups' was conducted on 4th February 2018, at Delhi Pharmaceutical Sciences and Research University (DPSRU) Campus by DPSRU Incubation & Innovation Foundation (DIFF) with the support of CL Educate Ltd. to motivate and sensitize all the stakeholders including incubatees, industry stalwarts, alumni and funding agencies to participate enthusiastically in promoting Innovation and entrepreneurship for the socio economic growth of the country.

The main speaker was Mr. Sreenivasan R., Co-Founder, CI Educate Ltd., who enlightened all the stakeholders with

some very useful propositions to become entrepreneurs by doing innovative things. In the concluding note Prof. Harvinder Popli, Principal & Offtg. Dean and Director, DPSRU innovation and incubation foundation, Delhi Pharmaceutical Sciences and Research University emphasized on leveraging the demographic dividend of youthful India to spur greater innovation led startups for generating more value to 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.



DPSRU has established DIIF, a section 8 of company to bring forward innovative aspirants from Health care profession and commercialize their research into start-ups. DIIF is providing a platform to the students, faculty, staff, alumni for quality research, and extends support for converting their innovation into commercialization. DIIF organized various workshops, seminars and expert talks for students especially the ones who are interested in start-ups and train them for entrepreneurship & management skills. DIIF provides seed funding to the innovative ideas. It is also a place where pool of mentors is created to provide mentorship for the startups.

WAIN, officially launched in 2016, is an initiative launched by CL Educate Limited, Asia's largest edu corporate to bring together a host of stake holders who play a crucial role in creating a fertile innovation ecosystem in the country. The objective of WAIN Platform is to provide interlinked opportunities to both Academic Institutions and Companies to work together in areas such as 'Research and Innovation', 'Academia-Industry Development Programs' and create an innovation ecosystem for growth in India. The platform provides opportunities of corporate sponsored open research in Indian institutes, corporate funded research scholarships, for spotting application-oriented skilled talent and

promoting transferable knowledge from academia to industry Wainconnect.com already has over 13,000 innovators including students and faculty working on over 3400 innovations. These come from top government IIT, IIIT, IIM, as well as leading private universities with significant corporate support through CSR and research budgets. About 25 out of these innovations are at the fundraising stage. Wainconnect aims to enable 1million innovators by 2020.

Workshop on 'Creating a Youth Driven Innovation Ecosystem'

Delhi Pharmaceutical Sciences and Research University successfully organized a "Workshop on 'Creating a Youth Driven Innovation Ecosystem' on 23rd February 2018 at DPSRU Campus by DPSRU Innovation & Incubation Foundation with the support of CL Educate Ltd. The dignitaries were also present as Prof. Ramesh K. Goyal, Prof. Prof. Raman Dang, Prof. D.P. Pathak, Prof. Harvinder Popli, with other faculty members and students. This workshop was inaugurated by Mr. Sreenivasan R, Prof. Ramesh K. Goyal and Prof. Prof. Raman Dang and Prof. Harvinder Popli.

The key objective of the seminar was to motivate and sensitize all the stakeholders including Incubatees, Industry stalwarts, Alumni and funding agencies etc. to participate enthusiastically in achieving





the common goal of in promoting Innovation and entrepreneurship for the socio economic growth of the country. The workshop created a neutral platform wherein all the stakeholders were given a chance to deliberate on the theme and strategies were also discussed.

The main speaker was Mr. Sreenivasan R., Co-Founder, Cl Educate Ltd., who enlightened all the stakeholders with some very useful propositions to become entrepreneurs by doing innovative things differently. The workshop was attended by around 200 delegates. Prof. Ramesh K. Goyal, Prof. Raman Dang, and Prof. Harvinder Popli, also addressed the delegates. The workshop was concluded by a formal Vote of thanks.

Workshop on 'Solving Healthcare Issues through Innovation'

Delhi Pharmaceutical Sciences and Research University 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 by DPSRU Innovation & Incubation Foundation with the support of Indian

Pharma Association(IPA), Delhi Branch, Association of Pharmaceutical Teachers of India & CL Educate Ltd. The dignitaries were also present as Prof. Ramesh K. Goyal, Prof. Prof. Raman Dang, Prof. D.P. Pathak, Prof. Harvinder Popli, with other faculty members and students. The guests were also present as Dr. Naresh Sharma (Deputy Drug Controller of India, CDSCO) Dr Jitendra N Verma(Founder & Managing Director, Lifecare Innovations (P) Ltd), Ms. Reena Bhatnagar, Ms. Poulomi Ganguli and Ms Megha.

This workshop was inaugurated by Prof. Ramesh K. Goyal and Prof. Prof. Raman Dang and Prof. Harvinder Popli, Dr. Naresh Sharma Dr Jitendra N Verma, Ms. Reena Bhatnagar, Ms. Poulomi Ganguli and Ms Megha (C L Educate Ltd). This is one of its kind health care 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. The workshop was attended by around 200 delegates.

Try to solve the problem area around yourself and be brave & be open to the challenges will make yourself an innovator said by Prof. Ramesh K. Goyal. Prof. Harvinder Popli set the pace for the workshop and motivated the applicants of the Hackathon to participate with full enthusiasm and sensitized them towards innovation. Dr. Naresh Sharma stressed upon need & importance of innovation in Healthcare sector. Dr Jitendra N Verma, shared about the challenges he faced during drug development in India and Abroad. Ms. Reena Bhatnagar, stressed upon the need and importance of marketing tools like digital marketing required to promote startups etc.

The other speakers were Ms. Poulomi Ganguli and Ms Megha, who enlightened all the stakeholders with some very useful propositions to become entrepreneurs by doing innovative things differently. The workshop was concluded by a formal Vote of Thanks.

Workshop on Hands-on Training about Taping Techniques

Delhi Pharmaceutical Sciences and Research University (DPSRU) organized a workshop for Delhi Pharmaceutical Sciences and Research University (DPSRU) organized a workshop for physiotherapy students on 16th April, 2018 on Hands-on Training about Taping Techniques. The venue was the university board room in DPSRU, Delhi. Dr. Prahlad Priyadarshi (PT) Sports

Physiotherapist in Sports authority of India, was invited as resource person to teach and to give Hands-on Training about Taping Techniques. The other dignitaries present were Prof. Ramesh K. Goyal, Dr Prof. Raman Dang, , Prof. D.P. Pathak, and Prof. Harvinder popli, Dr. Rjiv Tonk Head, Department of Physiotherapy Dr.Madhu Gupta and Dr. Shilpa Jain coordinated the programme. This workshop was inaugurated by Dr. Arun K. Agrawal, Member, Board of Governors, DPSRU.



Dr. Prahlad Priyadarshi (PT), currently working with Indian Cycling Team was the key expert and mentor for the students in this workshop. He is specialized in Sports Physiotherapy and BCCI Level I certified. Students learnt from his teaching and training modules for the on field management but also in case of emergency and general Physiotherapy OPDs.

Workshop on IPR, Patents and Patenting in Pharmaceuticals

A workshop for Post Graduate and Doctoral students on 8th May, 2018 was organized on "IPR, Patents and Patenting in Pharmaceuticals". Dr. Padmin Buch, IPR expert, and Dr. Dr Manish Rachchh, Director & CEO of Accuprec Research Labs Switzerland were invited as resource person to interact the students and to teach them with give practical demonstration. The other dignitaries present were Prof. Ramesh K. Goyal, Prof. Raman Dang, Prof. Harvinder Popli, Dr. Madhu Gupta, was the coordinator of this event.

Dr. Padmin Buch, IPR expert, working as a Project Management and IPR domain expert. He is specialized in Industry and Consultancy & Development work in Project Management and IPR fields. He shared his experience about Intellectual property that encompasses inventions, designs and artistic work as well as discussed about Copyrights, Patents, Trademarks and Trade Secrets as well as

gave a very interesting interactive talk on Copyright protection and infringement, do's and don'ts to avoid infringement and Plagiarism.

Next speaker of this event was Dr. Manish A. Rachchh, who is currently working as a Director (R & D) & CEO of Accuprec Research Labs Pvt. Ltd at Ahmedabad, who made the participants aware about patent searching and patentability assessment of inventions and discussed various examples of case laws and suits. He focused on how to bridge the gap from research to innovation. He also explained the relation between inventions and innovations, the gaps between lab research and innovative research and gave a glimpse of various models of academia/industry interactions.

The workshop was concluded by Prof. Harvinder Popli ended with a vote of thanks by Dr. Madhu Gupta. A photo session was done at last with the renowned speakers, faculty members / and students with certificate distribution.



GUEST/EXPERT TALK

GUEST/EXPERT TALK				
S. No.	Name of expert	Designation & contact details Contact Detail	Date of lecture	Topic of lecture
1.	Dr. Sukhinder K. Cheema	Professor Department of Biochemistry & Faculty of Medicine Memorial University, Canada	31 st July 2017	Omega-3 Fatty Acids as a Mode of Drug Delivery in Neurodegenerative Diseases
2.	Dr. Ramesh C. Deka	Vice Chancellor, AdtU, Guwahati Formerly: Dean (2006-9) Director (2009-13) AIIMS New Delhi, Distinguished Chair Professor of Medical Education & Research, AUUP (2014-16 Jan) Web: rameshcdeka.com vc@adtu.in; rcdeka1@gmail.com	21 st Aug 2017	1. Research Proposal Writing : An Important Function of A University 2. Writing A Research Paper: Its Structural Arrangement 3. Research Paper Title Writing
3.	Prof. R. K. Maheswari	Dept of Pharmacy, SGSITS, Indore	6 th Sep 2017	Eco friendly Pharmaceutical applications of Hydrotropic solubilisation & mixed solvency concept
4.	Dr. Chainulu	Ex Scientist, DST	25 st Sep 2017	Pharmacist in Government Sector
5.	Dr. Ajith Datar	Managing Director, Schimadzu Analytical India Pvt. Ltd. Mumbai	26 th Sept. 2017	Chromatography and Mass Spectroscopy techniques in Pharmaceutical Applications
6.	Prof. B. Narsimhan	Professor and Ex Dean, Department of Pharmacy, M.D. University, Rohtak	16 th Oct 2017	Antimicrobial resistance
7.	Prof. B. Narsimhan	Professor and Ex Dean, Department of Pharmacy, M.D. University, Rohtak	21 st Oct 2017	Peptidomimetic drugs
8.	Mr. Surender Kumar Kamal	Sr. Manager, Regulatory Affairs, GSK consumer healthcare, Gurugram	24 th Oct 2017	Documentation in Pharmaceutical Industry- Procedures and principles
9.	Mr. Nitin Charekar	Head-QA, APSER Ltd., New Delhi	28 th Oct 2017	Quality as a Strategic Decision
10.	Dr. O.P. Yadava	CEO & Chief Cardiac Surgeon, National Heart Institute, New Delhi, India	30 th Oct. 2017	History- A Friend, Philosopher and Guide"
11.	Mr R K Gupta	Senior Manager, Indraprastha Power Generation Company Limited/ Pragati Power Corporation Limited	1 st Nov. 2017	E-Tendering and procurement procedures
12.	Mr. Surender Kumar Kamal	Sr. Manager, Regulatory Affairs, GSK consumer healthcare, Gurugram	01 st Nov 2017	Documentation in Pharmaceutical Industry- Concept of DMF and CTD
13.	Mr. Surender Kumar Kamal	Sr. Manager, Regulatory Affairs, GSK consumer healthcare, Gurugram	3 rd Nov 2017	Quality Systems: Change Controls and Deviations
14.	Mr. Surender Kumar Kamal	Sr. Manager, Regulatory Affairs, GSK consumer healthcare, Gurugram	06 th Nov 2017	Quality Systems: Vendor Qualification and CAPA
15.	Mr. Nitin Charekar	Head-QA, APSER Ltd., New Delhi	11 th Nov 2017	Management commitment to quality
16.	Mr. Salil Sahastrabudhe	Dy. General Manager, Micro Labs Ltd, Mumbai	16 th Nov 2017	Indian Pharmaceutical Market and it's Challenges

GUEST/EXPERT TALK				
S. No.	Name of expert	Designation & contact details Contact Detail	Date of lecture	Topic of lecture
17.	Dr. Veena Agarwal	Director, Patanjali Research Institute of Ayurvedic Sciences, Haridwar	30 th Nov. 2017	Design and development of cancer molecules"
18.	Dr. Pawan Mishra	Academic Researcher, Mendel University in Brno, Czech Republic	15 th Dec. 2017	Nanobiomaterials : Characterization and Application
19.	Dr. Aseem Dutta	Ex faculty, Indian Institute of Packaging, New Delhi	15 th Dec 2017	Packaging of Pharmaceuticals
20.	Mr. R. Satyanarayanan	Chairman, CL Educate India	18 th Dec. 2017	Research Innovation and Incubation in the University Ecosystem
21.	Round Table Discussion on Prescribing Generic Vs Branded Drugs: Impact and Implications on Health Care			21 st Nov. 2017
22.	Dr. Aseem Dutta	Ex faculty, Indian Institute of Packaging, New Delhi	27 th Dec 2017	Packaging and its Pharmaceutical Applications
23.	Dr. Gurjyot Kaur	University of Konstanz, Germany	16 Jan 2018	General Introduction and carrier opportunities in toxicology
24.	Dr. Santosh Rudrawar	Faculty Griffith University, Australia	24 th Jan 2018	Innovative probes for studying carbohydrate- processing enzymes
25.	Dr. Kar Muthumani	Director, Laboratory of Emerging infectious diseases vaccine & immunotherapy center, The Wistar institute, Philadelphia, USA	6 th Feb 2018	Induction of protective immunity to Zika infection by an engineered DNA vaccine



DPSRU Innovation and Incubation Foundation (DIIF)

Mr. Sameer Ahuja

Executive Summary

Startup India campaign is based on an action plan aimed at promoting bank financing for start-up ventures to boost entrepreneurship and encourage startups with jobs creation. To give effect to the campaign, **DPSRU Innovation and Incubation Foundation (DIIF)** has been established. The 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. We believe innovation is the specific tool of entrepreneurs, the means by which they exploit change as an opportunity for a different business or a different service.

Introduction

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 a great opportunity and platform to innovative minds and give right directions to channelize their efforts to succeed further with their business idea. But the lags in Indian ecosystem belie the great objectives of Startup India, these include, India's low ranking in 'ease of doing business', Lack of Incubation or 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 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 roadmap for incubation centers to evolve to accelerators and self-sufficient entities over a 5-10 year period.

Overview of ongoing Activities

I. Infrastructure Development

1. Space at 2nd & 5th Floor

2. Workstations are built up with computers and internet facilities
3. Meeting room with Teleconference facility to be created soon
4. Seminar/Lecture Room is ready
5. PSS and other Lab to be established soon

II. Administrative Set up

1. Board of Directors
2. CEO Vacant
3. Research Program Manager
4. Manager Operations
5. Supporting Staff

III. Pool of Resources- We have 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

1st 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:

1. Current students
2. Alumni
3. Faculty / Staff including retired person

* Any other person not belonging to any of the above category may be considered as per merit and space availability, after giving preference to Sr. no.1 to 3categories. On rare to rare case basis, the students of other institutions may also be considered eligible.

Collaborations: Along the Journey, DIIF has collaborated with few reputed organizations like The Indus Entrepreneurs (TiE), C.L.Educate Ltd. and Indian Pharma Association (IPA), Delhi Branch to improve the entrepreneurship and start- up ecosystem and assist innovators, researchers and entrepreneurship aspirants in the university.

1. **TiE:** Providing consultancy to DIIF for smooth running of incubation centre and supporting by offering education, mentorship, networking and funding opportunities
2. **CL Educate:** To improve the entrepreneurship and start- up eco-system and assist innovators, researchers and entrepreneurship aspirants in the university.
3. **IPA Delhi Branch:** Will support in conducting of educational events, resource management for educational

events, online teaching and training for staff and students, Joint research activities, Participation in seminars and academic meetings, special short-term academic programs.

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 9 incubatees out of which 5 incubatees have been disbursed the seed funds of around 13 Lakhs.

List of Incubatees is as follows:

S. No.	Name (s) of the Proposer	Name of the 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 Ms. Ishmeet Kaur Ms. Chanchal Sharma	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	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	Mr. Sunil Kumar Ms. Reena Badhwar	Rejeda Healthcare Pvt. Ltd.	Product for Diabetic Foot Ulcer
9	Mr. Anmol Wadhwa	Under Process	Med Insurance

Yoga & Fitness Centre

Acharya C. P. Ray, Yoga Guru

Happiness is your nature. It is not wrong to desire it. What is wrong is seeking it outside when it is inside. - Ramana Maharshi

The mind is responsible for the feelings of pleasure and pain. Control of the mind is the highest Yoga. - Swami Sivananda

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

After signing the MoU with IREDA, to initiate a certificate program for the benefit of community and society. Curriculum was developed with four theories and two practical paper. Certificate Course in Yoga was along with the university admission. First batch of Certificate

Course in Yoga is completed successfully second batch is going on.

More than the one hundred students of M.Pharm, MHM, MPH, MBA in three batch (DPSRU & DIPSAR) were trained and examined as a subject in the semester for which the marks/grade are included in their mark sheet. Its felt that the inclusion of Yoga course in the curriculum will benefit the students to perform /concentrate better for their profession.

Foundation Course in Yogic Science for Wellness for Pre-PhD student's starts for improves their physical, vital, mental, emotional, psychic and spiritual life.

Students, Staff, Faculty and Patient of Physiotherapy Center use to come for yoga sessions in the Yoga and Fitness Center of DPSRU to improve their overall health.



AICTE-QIP Nodal Center Activities

Ms. S. Latha

DISPAR as AICTE-QIP Nodal Center Activities

Delhi Institute of Pharmaceutical Sciences and Research (DIPSAR) is chosen as one of the nodal centre for implementing quality improvement program (QIP) of AICTE, for the benefit of teachers of AICTE approved pharmacy colleges across the country. DIPSAR has successfully conducted 23 QIP short term Programmes in last 18 years. Four QIP were conducted during this session.

XXIV Quality Improvement Program at DIPSAR from 19th - 23rd February 2018

Continuing this tradition, DIPSAR hosted XXIV QIP titled "The current updates in Pharmaceutical Chemistry" from 19th - 23rd February 2018. Thirty-two teachers, from different states of India, enthusiastically participated in the program. The participants were from various cities of Uttar Pradesh, Tamil Nadu, Telangana, Haryana, Himachal Pradesh, Kerala and Delhi.

The program was divided into three parts, first was theoretical brushing up of the knowledge, second was practical aspects of techniques used in the field through demonstrations and the last was practical applications in Industry by arranging industrial visit.

In the first part, sixteen renowned academicians, industry personnel, administrators from MDU Rohtak, THISTI Faridabad, DU Delhi, Biomics Rohtak, IGNOU Delhi, IPC Ghaziabad, BIT Ranchi, MSU Baroda, DOPE lab Delhi,

deliberated on the current developments in the field of pharmaceutical chemistry and on other topics of interest. Prof. Narsimhan spoke on - How to write research proposal, Mr. Anand elaborated on the use of Scifinder as research tool, Dr. Dinesh, Dr. Ajit Kumar, Dr. Vandna, Dr. Shailendra Asthana stressed on importance of molecular modeling and docking in Drug design, Prof. Sanjiv, Dr. Amit, Dr Kalpendra Sahu ignited the minds with analytical techniques like Circular Dichroism in NMR, Mass spectroscopy and HPLC analysis respectively, Dr Sinha nurtured the meta mind management, Dr. Rupini elaborated about the environmental protection concept by using green chemistry, Dr. Biswajit and Dr. Rakesh spoke on nano formulations, Dr. M. R. Yadav sparkled interest in *in-silico* techniques while Dr. R. K. Goyal, Vice chancellor DPSRU kindled interest in biomarker and target identification.

The knowledge gets consolidated through practical training. To do so, in the second part, each day one demonstration was given. Demonstrations covered training on HPLC, Counter current HPLC, Digital Polari meter, ATIR and CHNS analyzer.

In the third part the delegates were taken to industrial visit to Belco Pharma which exports medicines to around 50 countries. The industry keenly showed the production facilities of tablets, capsules, liquid orals, eye drops and injectables. They also showed their water preparation plant and how different waters are prepared and supplied to

each section via separate pipe lines. The analytical department of the industry was shown to the participants. It was a memorable visit.

The program concluded with valedictory function in the presence of chief guest Mr Vivek Kumar Tripathi, Additional Director, Directorate of training and Technical education, who aptly guided the delegates with the practical aspects of life learnt in his vast administrative experience.

Prof. D.P.Pathak, Director DIPSAR and his team consisting of Prof. Sharad Wakode, Mrs. Amrita Parle, Dr. Ramesh Bodla and other faculty members worked hard for the smooth conduction of the programme.

The delegates were given the opportunity to share feedback, in which they appreciated the contents and the knowledge imparted to them. They were impressed by the hospitality and cohesive work culture. The valedictory function ended with award of certificates.

XXV Quality Improvement Program at DIPSAR from 5th-9th March, 2018

The XXV Quality Improvement Program was conducted at Delhi Institute of Pharmaceutical Sciences and Research, New Delhi, from 5th to 9th March, 2018 on the theme "Recent Advance in Pharmacology" with special focus on Communicable Diseases in India - their control, management and elimination. The continuing pharmacy education program was attended by 30 in-service pharmacy teachers from various AICTE recognized pharmacy colleges all over the country.

The program was inaugurated by the chief-guest - Dr. SJS Flora (Director, NIPER, Raebareilly) in the presence of Dr. D.P.Pathak

(Director, DIPSAR) and Dr. R.K.Goyal (VC, DPSRU). Dr. Flora delivered the keynote address on Biological and Chemical Weapons where he elucidated the journey of drug development from bench to bedside for the management of arsenic poisoning.

Dr. Sarman Singh who is the Head, Division of Clinical Microbiology & Molecular Medicine at All India Institute of Medical Sciences, elucidated in detail about the Drug Resistance in Bacteria: a major challenge to health system. Dr. Pradeep Srivastava worked in the capacity of Joint Director at National Vector Borne Disease Control Program, Ministry of Health and Family Welfare highlighted the initiatives taken by government of India through national program on malaria eradication. This was followed by a talk by Dr. R.K. Das Gupta, Joint Director, NVBDCP, MoHFW, on another important communicable disease in India- Kala-azar elimination- where dose India stand?

The post-graduate students and research scholars gave a hands-on demonstration of various pharmacological techniques like performing bioassay of histamine using tracheal chain preparation, performing four-point assay to determine the concentration of the given unknown drug using ileum preparation and determining pA2 for the given agonist-antagonist using Rat fundus



preparations. These techniques still hold importance and need to be revisited in the era of simulations through software.

A visit to ICMR- National Institute for Malaria Research was planned for 6th March, 2018 to bring the participants close to recent advances and updates in research on vector borne diseases like - malaria, chikungunya, dengue and Japanese encephalitis. The host team of scientists and demonstrators overwhelmed the participants with knowledgeable discussions and gracious hospitality.

On 7th March, 2018, hands-on demonstration of technique for screening diabetic retinopathy in streptozotocin-induced animal model of diabetic retinopathy using fundus camera was conducted. The participants understood the importance of imaging techniques in documenting the scientific data. Another very important hands-on demonstration of isolation of hepatocytes from mice for primary cell culture was also shown to the participants. This technique holds importance in conducting studies on metabolic syndrome.

Further eminent personalities like Prof (Dr.) N.K. Mehra who has been the former Dean at AIIMS and presently holds the Dr C.G. Pandit National Chair shared the ICMR guidelines on stem cell research and regenerative medicine. The talk was highly stimulating and opened numerous queries in the mind of the audience. The participants were impressed with the energetic and elaborate talk of Prof. T Velpandian, who heads the RP Centre for Ophthalmic Sciences at All India Institute of Medical Sciences. His talk on PK as the tool for PD- Predicting Toxicity & Drug Interaction in Anti-TB Therapy helped to clarify the importance of pharmacokinetics in establishing drug toxicities. The concepts of biostatistics

were clarified by Dr. R.M. Pandey, Professor at Department of Biostatistics, AIIMS. After this talk, the participants will be in a better position to design statistically sound research protocols.

Important molecular pharmacology techniques like SDS-PAGE gel electrophoresis, western blot, measuring trans-epithelial electric current using chamber were explicitly demonstrated to the delegates. The delegates were in the laboratory till about 1am in the laboratory to witness and practically experience the techniques and enjoy the academic feast.

The enthusiastic participants were again in the laboratory at 9 am the next day to witness hands-on demonstration of technique for recording electrical activity of heart (electrocardiography) in the anaesthetized rats.

Dr. Anupam Prakash, Professor and clinician from Department of Medicine, Lady Harding Medical College & SSK Hospitals, New Delhi appraised the audience about current updates in the practices of vaccination against various communicable diseases.

The enthralling session by Dr. B.V. Adkoli, Director of Centre for Health Professions

Education, and Professor of Medical Education at Sri Balaji Vidyapeeth (Deemed University), Puducherry will not be forgotten easily. Terms like group discussion, motivation, feedback, participation, flipped classrooms, role models, team leaders, training, hand-holding and empowerment in reference to teaching methods gained new meaning. The points were brought forward in a non-persuasive and unique style. Dr. Harmeet Rehan, Prof & Head at Department of Pharmacology, LHMC, New Delhi dealt with a tough topic "Multiple Choice Questions: Facts and Desire" in a succinct manner that helped

teachers to understand the nuances in question making.

The concluding day started with a one-hour practical session of yoga with Acharya Chandra Prakash Ray. The delegates were introduced to YOGA, practice of asanas, pranayama mudra and Bandha followed by Yoga Nidra (Meditation). The session relaxed and rejuvenated the teachers for their journey ahead.

Prof. (Dr.) Ashok Rattan presently holding the position of Adviser, Laboratory Operations PathKind Labs, PathKind Diagnostics (P) Ltd., Gurgaon deliberated on "Demystifying MIC, making PK/PD parameters select the right antibiotics". This was an electrifying talk that practically brought for the PK/PD correlations. Other illuminaries like Prof. (Dr.) D.P. Pathak and Prof. (Dr.) K.K. Sharma dealt with important topics like Mutual Prodrugs and New insights in the chemotherapy of tuberculosis and certain viral diseases, respectively, with great success.

The program ended with certificate distribution by the coordinators Prof. Pathark, Dr. Rajani Mathur, Mrs. S. Latha in the presence of the chief guest-Dr. Ahmed Kamal, Pro-Vice Chancellor at Hamdard University. He congratulated the participants on successfully

completing the program and drove home the importance of continuing the learning process for the joy of it.

XXVI Quality Improvement Program at DIPSAR, 12th to 16th March 2018

The XXVI AICTE sponsored, Quality Improvement Program titled 'Current Trends in Pharmaceutical Sciences' was organized at Delhi Institute of Pharmaceutical Sciences and Research (DIPSAR) from 12th - 16th March 2018 under the guidance of Prof. R. K. Goyal, Vice Chancellor, DPSRU and Prof. D.P. Pathak, Principal QIP Coordinator & Director, DIPSAR. Thirty pharmacy institute teachers participated from different states of India like Andhra Pradesh, Gujarat, Uttar Pradesh, Haryana and Delhi. The inauguration of the program was begun with lighting of lamp by chief guest Prof. Neeraj Tandon Scientist G, Head of Publication and Information, ICMR, New Delhi. She delivered the inaugural address highlighting the importance of medicinal plants for the treatment of diseases of Indian population and the role of QIP in providing the opportunities to the teachers of pharmacy colleges to learn latest advancement in field of pharmacy.

Renowned speakers were invited to share their knowledge with the participating teachers. Wide ranges of topics of pharmaceutical sciences were covered starting from Ayurvedic Pharmacology by Prof. (Dr.) Rama Jayasundar from All India Institute of Medical Sciences and Ayurgenomics: A Novel Ayurveda based approach of linking Disease biology and Drug Research by Dr.



Bhavna, IGIB, New Delhi. Dr. Amulya Panda, Scientist VII, National Institute of Immunology, New Delhi emphasized on the need of Drug Discovery from natural sources using Biotechnological approaches. Dr. Sayeed Ahmad, Department of Pharmacognosy, School of pharmacy, Jamia Hamdard discussed about Metabolomic analysis of Traditional medicines for Scientific validation of their claims and Prof. Kanchan Kohli, Head, Department of Pharmaceutics, Jamia Hamdard, delivered talk on Phytomedicines: Traditional medicines with modern virtue. Prof. R.K.Goyal, V.C, DPSRU shared his views on Herbal leads from clinical research for congestive heart failure. Dr. Raman Dang, Registrar, DPSRU and Dr. Tanveer Naved, Amity University deliberated about Nutraceuticals and its importance in Pharmacy

Dr. Pragya Bhateja, Aravali Pharma and Life sciences, threw light on 'Novel approaches in drug discovery' and Dr. Veena Agarwal delivered lecture on "Role of Translational Medicine in Drug Discovery and Development". Dr. Suman Kundu, DU elaborated his research work on the topic "Drug Discovery: A Humble Initiative". Dr. T. Chaira, Aravali Pharma and Life sciences, explained the "Optimizing dosing strategies in anti-infective research-A PK/PD approach"

Prof. Veena Agrawal, Delhi University, delivered lecture on Bioassay guided isolation, characterization and elicitation of antimalarial & anti-cancerous bioactive molecules from medicinal plants. Prof. (Dr.) Karan Vasisht and Prof. (Dr.) Maninder Karan Vasisht, Institute of Pharmaceutical sciences, Punjab University, Chandigarh explained in detail about the Basics of HPLC and Chromatography & its application in pharmaceutical science. Dr. Kalaiselvan, Principal Scientific Officer, Pharmacovigilance Division, Indian Pharmacopoeia Commission, discussed the Role of Pharmacy Teachers in Pharmacovigilance Programme of India.

A visit to Indian Pharmacopoeia Commission (IPC), Ghaziabad was arranged. Dr. Jai Prakash, Senior Principal Scientific Officer, Indian Pharmacopoeia Commission, delivered lecture on basics of HPTLC and its application in pharmaceutical sciences. Demonstrations of HPTLC and bacterial endotoxins test were held at I.P.C. Hands on training was given on preparation and evaluation of Phytosomes.

The program was successfully concluded on 16th March 2018 with the distribution of certificates & course material to the participants, by Chief Guest, Prof. Karan Vasisht, Prof. R.K. Goyal, and QIP co-coordinators Ms. Manju Vyas and Mr. P.N.Raju. The delegates appreciated the course content and demonstration of techniques, as this program was indeed an informative and useful for all participants.



XXVII Quality Improvement Program at DIPSAR, from 2nd - 6th APRIL 2018

DIPSAR hosted XXVII QIP titled "Certificate Course in Drug Regulatory Affairs" from 02nd - 06th April 2018. Twenty-four teachers from different states of India enthusiastically participated in the program. The participants were from various cities of Uttar Pradesh, Gujarat, Andhra Pradesh, Nasik, Telangana, Haryana, West Bengal and Delhi.

The XXVII QIP programme was facilitated by arranging the lectures of academicians, industry personnel, administrators from Glaxo Smith Kline, Asia Actual Pvt. Ltd., Jamia Hamdard Delhi and G.J University who focused on the current developments in the field of regulatory affairs and other topics of interest. Prof. RK Goyal, VC, DPSRU delivered lecture on- 'Ethics Vs Regulation in Biomedical Research', Mr. Surender Kamal, Senior Manager, GSK deliberated about IND- Investigational New Drug, NDA - New Drug Application and ANDA - Abbreviated New Drug Application and Pharmacovigilance and gave practical training by explaining each portion. Mrs. Gunjan Verma, Managing Partner, Asia Actual Pvt. Ltd., spoke on 'WHO Good Manufacturing Practices for Pharmaceutical Products'.

Dr. Javed Ali stressed on 'Regulatory Affairs in U.S, Canada, EU, China, Japan, Australia and India' and gave practical training by discussing case report. Dr. Nidhi Sandal, Director, Scientist-E, DRDO, New Delhi, emphasized on 'Freedom to operate in Pharma industry and importance of patents in getting approval for marketing drugs'.

Mrs. Gunjan Verma delivered lecture on 'Medical Devices Regulations'. Dr. Sanjula Baboota explained about 'bioavailability and bioequivalence'. Dr. Arundhati Bhattacharya from

Printek solutions delivered lecture on the 'Patent System in India with special emphasis to patenting pharmaceuticals' and 'Filing and prosecution of patent Applications.' The delegates were taken to Jamia Hamdard to understand the practical aspects of nanoformulations, supercritical fluid tech, tissue culture Techniques and instrumental analysis using GCMS- Gas chromatography Mass Spectrometry and LCMS- Liquid chromatography Mass Spectrometry.

On the concluding day Dr. H. Purushotham, Chairman & Managing Director, National Research Development Corporation, Ministry of Home Affairs, delivered lecture on 'NDRC: Bridge between R & D and Industry' and Dr. Milind Parle spoke on 'Regulations regarding patents'. Then the participants were evaluated by conducting exam on case reports and assignments and their grade was mentioned in their certificates.

The program concluded with valedictory function. The course coordinators Prof. D.P. Pathak, Prof. P.K. Sahoo or Meelinikani disbursed the participant's certificate and soft copy of the program presentations. The delegates were given the opportunity to share feedback, in which they appreciated the course contents and the knowledge imparted to them.

DIPSAR - AICTE - PRINCIPAL QIP NODAL CENTRE (PHARMACY)

Delhi Institute of Pharmaceutical Sciences and Research (DIPSAR) is recognized by AICTE as nodal centre for quality improvement program (QIP), for conducting the centralized interview to offer admission in M.Pharmacy and advance admission in Ph.D for the academic year 2018-19 for the teachers of AICTE approved pharmacy colleges across the country.



The selected candidates will be offered admission in one of the ten AICTE approved QIP nodal centres.

Advertisement regarding admission in M.Pharmacy and advance admission in Ph.D 2018-19 under AICTE-QIP, for the teachers of AICTE approved pharmacy colleges across the country was given by Prof. D.P.Pathak, Principal QIP Coordinator and Director DIPSAR in national news papers. In response to that applications were received from the teachers of AICTE approved pharmacy colleges across the country and the centralized interview was

conducted from 11th - 13th April 2018 at DIPSAR. The QIP Coordinators from ten pharmacy nodal centers, Prof. (Dr.) D.P. Pathak (DIPSAR), Prof. V. Kishan (UCPS - Warangal), Dr. S. Ponnusankar (JSS Ootty), Prof. (Dr.) Biswajit Mukherjee (DPT- Jadavpur Univ.), Prof. (Dr.) B.M. Patil (KLE COP, Belgaum), Prof. (Dr.) Asmita Gajbhiye (DPS, Dr. HGV, Sagar), Prof. (Dr.) C Mallikarjuna Rao (Manipal COP) selected 35 candidates for advance admission in Ph.D programme and 02 candidates for M. pharmacy programme for the academic session 2018-19, Mrs. S. Latha, Assistant QIP Coordinator, DIPSAR coordinated the programme.



Placement Cell

Dr. Geeta Aggarwal

DPSRU has active Training and placement cell for the recruitment activities in the campus in association with Student Placement Representatives. The placement cell, DPSRU stands committed towards getting the best possible opportunities for its students by providing them with a thriving platform and the best exposure. The 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 has concluded its final placement for the year 2017 in leading National & Multinational companies at all levels including undergraduate, postgraduate, Ph.D. & Diploma students. Like last year, the DPSRU continued to enjoy immense confidence from the corporate world as substantiated by the remarkable placement season for the session 2016-17. 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, Pfizer 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 2017-18, the University witnessed participation of various esteemed organizations offering roles across various domains including clinical research, business analysis, production, quality assurance, research & development, hospital & community pharmacy and sales & marketing. Various companies including WNS (Value-edge), Quintiles IMS, Cipla, Pfizer, Complete Heors solutions, Astrazeneca, ZS Associates, DRG, Eli-Lilly, Novartis, Parexal International, Abbott Healthcare, BresMed, Walter Bushnell, Jubilient Generics, Turacoz, Mankind, Bioinnovat, Troikaa Pharmaceuticals, Cognitrex, Integral Biosciences Pvt. Ltd. Fortis, Meril Life Sciences, Mumbai, Sanyog Enterprise, WrigNon etc. participated in the recruitment process of our students. The companies offered package of 8.5 to 7.5 lacs for Ph.D., 7.0 to 5.5 lacs for M.Pharm. and 3.5 to 4.5 lacs for B.Pharm. students.

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 Hospitals including G.B Pant

Hospital, Pt. Madan Mohan Malaviya Hospital & Lok Nayak Hospital. The summer training of M. Pharm. students is arranged in National Dope Testing Lab, Jubilant Generics, Smartanalyst, Quintiles IMS etc. More than 60 students of B.Pharm. are sent to various industries for summer training. The placement cell has organized workshops including Workshop on Career enhancement for employability and self-employment and Workshop on Chromatography and Mass spectroscopy techniques in Pharmaceutical Applications.

The university is always a trend setter. Continuing with it, the placement cell of University also guides the students in professionalism, presentation techniques, group discussion techniques, interview skills and new technology trends & developments in the industry and motivates them for self employment, start-ups and entrepreneurship. Two of our M.Pharm. students have started their own start-ups for Pharmaceutical and allied Health Sciences. One of our Ph.D. student is selected for grant for starting his own venture.

S. No.	Name of students	Specialization	Job profile
WNS (Value-edge), Gurgaon			
1	Nikhil Varshney	Pharm. MBA	Trainee Analyst Marketing Analytics
2	Vipin Choudhary	M.Pharm.(Clinical Research)	
3	Dr. Deepti Sharma	MHM	
Quintiles IMS, Gurgaon			
4	Lalit Kumar	M.Pharm.(Pharm. Chemistry)	Analyst
5	Akhilesh Kumar	M.Pharm. (Pharmaceutics)	
6	Yogeshwar Tyagi	M.Pharm. (Pharmaceutics)	
7	Aarushi	M.Pharm.(Clinical Research)	
8	Sumayya K.	M.Pharm. (Pharmacognosy)	
9	Suman Bhardwaj	M.Pharm.(QA)	Trainee Analyst
10	Jyoti Gaur	M.Pharm.(Clinical Research)	
11	Deepshi Ranjan	M.Pharm.(QA)	
12	Pooja Bisht	M. Pharm. (DRA)	
13	Garima Singh	M. Pharm. (Chemistry)	
14	Charul Upadhyay	M. Pharm. (DRA)	
15	Ritik Aggarwal	M. Pharm. (Pharmaceutics)	
16	Puja Paul	Pharm. MBA	
Cipla, Mumbai			
17	Aishwarya Mathur	B. Pharm.	Territory Manager
18	Gagan Chitkara	B. Pharm.	
Complete Heors solutions, Gurgaon			
19	Tarun Gaur	M. Pharm. (Clinical Research)	Analyst
20	Neeti Channa	M. Pharm. (DRA)	
Astrazeneca, Bangalore			
21	Akshita Nagpal	B. Pharm.	Pharma Trainee
22	Anushka Gupta	B. Pharm.	
23	Anvita Nagar	B. Pharm.	
24	Neelam- MBA	Pharm. MBA	
25	Rajib Kumar Sah	Pharma. MBA	Key Accounts Management IB
ZS Associates, Gurgaon			
26	Nikhil Varshney	Pharm. MBA	Trainee Analyst
DRG			
27	Priya Aggarwal	M. Pharm. (Pharmaceutics)	Summer Trainee
28	Preeti Bhati	M. Pharm. (Pharmacognosy)	

S. No.	Name of students	Specialization	Job profile
Eli-Lilly			
29	Vivek	B. Pharm.	Territory Manager
Parexal International			
30	Priyanka Singh	B. Pharm.	Analyst
31	Sakhi Sharma	B. Pharm.	
Abbott Healthcare			
32	Aayushi Gupta	M. Pharm. (DRA)	QA/QC Chemist
BresMed			
33	Divya Sharma	M. Pharm. (Pharmacology)	Graduate Research Associate
Walter Bushnell			
34	Priyanka Mittal	M. Pharm. (QA)	Trainee-Medical information
35	Divya Sharma	M. Pharm. (Pharmacology)	
Jubilient Generics			
36	Lalit Kumar	M. Pharm. (Pharm. Chemistry)	Trainee
Turacoz			
37	Priyanka Saha	M. Pharm. (DRA)	Trainee Medical Writer
38	Lovedeep Nagar	M. Pharm. (DRA)	Trainee Regulatory Affair
Cognitrex			
39	Sonali	Pharm. MBA	Summer Trainee
40	Sanchita	Pharm. MBA	
Smartanalyst, Gurgaon			
41	Nitu Sah	Pharm. MBA	Summer Trainee
Troikaa Pharmaceuticals			
42	Mrinal	Pharm. MBA	Summer Trainee
Integral Biosciences Pvt. Ltd.			
43	Kamal Sahni	M. Pharm. (QA)	Summer Trainee
44	Ankita Pasricha	M. Pharm. (Pharma. Chem)	Functional Trainee
45	Puja Jaiswal	M. Pharm. (Pharma. Chem)	Functional Trainee
46	Swati Paliwal	M. Pharma. (Pharma. Chem)	Functional Trainee
Entrepreneurship			
47	Prabhsimran	Pharm. MBA	e-Bottle
48	Anmol Wadhwa	M.Pharm. (DRA)	Medical insurance
49	Pankaj Sharma	Ph.D. (Pharmaceutics)	Low cost disinfectant for rural India
Government Job			
50	Mamta Yadav	M. Pharm. (Pharmaceutics)	Defence
51	Ritik Aggarwal	M. Pharm. (Pharmaceutics)	Hospital Pharmacist





Placements of DPSRU in 2017-18: Overview

Number of companies called for recruitment	25
New Recruiters	10
Maximum package offer	8.5 lacs
Average package for PG	6.0 lacs
Average package for UG	4.0 lacs
Number of offers by companies	42
Number of offer for Hospital/Industry training for UG & Diploma	More than 150
Number of start-ups	3
Number of Govt. jobs offered	2



School of Physiotherapy Events

Dr. Siddharth Sen

School of Physiotherapy events role of the Physiotherapy is incredibly increasing day to day in our life. Now days, not a single wing of Health Care system can run without the help of Physiotherapy. The need of physiotherapist is also increasing day by day to serve the increasing population of India. The school of physiotherapy under the prestigious Delhi Pharmaceutical Sciences & Research University is also taking a step forward towards the advancement of physiotherapeutic sciences.

Organization of Free Physiotherapy Camp

A free physiotherapy camp was organized by the school of physiotherapy on 6th September 2017 to raise awareness about the role of Physiotherapy in the peoples of the nearby locality and make them fit & healthy by providing free

health fitness check up by medical & allied health professionals.

The camp was inaugurated by Hon'ble Vice Chancellor Prof. R. K. Goyal, Offg. Registrar Prof. D. P. Pathak, Prof. Dr. Harvinder Popli with their words of wisdom to motivate the students to commence the camp. They stressed on the importance of the physiotherapy and need in the society. A total of 80 patients attended the camp, were treated & advised by the team of physiotherapists.

A lot of stress was put in imparting postural instructions to the patients as it was found to be one of the major factors contributing to health problems in form of pain & disability in some of the subjects. Exercises were taught to the subjects included stretching and strengthening of neck and back muscles with the ergonomic advice regarding lifting techniques was also advised to the subjects.



Celebration of world physiotherapy day at DPSRU

School of physiotherapy organizes seminar on “scope of physiotherapy in current scenario” on the day when the whole world celebrates the recent developed sciences in the system of medicine as “World physiotherapy Day” on 8th September 2017. Eminent speakers from India who are expert and specialized in different disciplines of Physiotherapy share their thoughts in recent updates in the science. Dr Sanjeev Gupta, Dr V.P. Gupta, and Dr Ravindra Sharma put their strong words of wisdom by telling the scope to role of a Physiotherapist from policy making to ICU and to on field of sports.

The program was inaugurated by Sh. Ajay Dutt, MLA, Ambedkar Nagar, South Delhi and the Guest of Honor was Dr Neelam Sethi, Senior Consultant, Delhi



Heart & Lung Institute. Students of BPT perform their cultural programs with the salutation of Goddess Saraswati and Lord Ganesh by a dance performance.

Organization of Curriculum meet

A Curriculum cum syllabus meet was organized in the afternoon on 8th September 2017 under the chairpersonship of Dr Arun Aggrawal and Prof R. K. Goyal, where many of experts from different institute were invited. Dr J. Maheshwari eminent orthopaedic surgeon Max hospitals, Dr V. P. Gupta chief physiotherapist AIIMS, Dr Asha Goyal advisor and consultant DCPTOT, Dr Seema Grover, Dr Sanjeev Gupta Principal BCIP, Dr Hitendra Loh, assistant professor VMMC and Dr Ravindra Sharma professor Prem institute of physiotherapy and Dr Dheeraj Malhotra all shared their views about the teaching hours practiced by different universities. A copy of fresh curriculum of Physiotherapy was distributed to every member of the meeting and they were asked to study it and give their remarks and comments so that a best curriculum can be set by the students of physiotherapy. Everyone signed their presence and made sure that they will provide their remarks as soon as possible for the preparation of syllabus with





selective subjects and study hour.

Participation at National Conference of Physiotherapy Sports Connect 2018

Students of BPT Fourth semester students along with faculty from the School of physiotherapy Dr Jyoti Dahiya Assistant Professor, participated in National Conference of Physiotherapy-Sports Connect-2018 on 18th February 2018 organized at constitution club of India, New Delhi. It was a showcase of eminent physical therapist in sports field and sports person together on a common stage with a gathering of 700 delegates from all over India. Dr. Jyoti Dahiya was awarded as star faculty award by Shri Jaspal Rana the eminent sports person.

Participation in Airtel Delhi Half Marathon

School of physiotherapy initiated a role to participate in half marathon organized by Airtel Delhi Half Marathon (ADHM) on 19th November 2017. BPT students



with Dr. Jyoti Dahiya participated as a Physio team for the Volini RECOVERY ZONE sponsored by Volini and organised by Kinspire Sports Clinic, Mumbai.

The event includes the half marathon, the 7 km Great Delhi Run, a 4.3 km run for senior citizens, and a 3.5 km wheelchair race.

Participation of International Conference of Physical Therapy INCPT-AIIMS 2017

Students of BPT 3rd semester of school of Physiotherapy was participated in International Conference of Physical Therapy INCPT-AIIMS has been organized by Neuro-Physiotherapy unit, Neuro Sciences centre, AIIMS, New Delhi on 7th -11th December at Jawaharlal Nehru Auditorium, AIIMS. BPT students Represented DPSRU and actively participated in various competitions which includes quiz competition, drawing competition, essay writing competition and Arshiya Faiz BPT student was awarded with gold medal in Drawing Competition. Dr. Jyoti Dahiya was awarded Young Achiever's Award and Dr Komal was awarded "Gold Medal" for her research work at presentation during the conference

Organization of Workshop on taping technique

The School of Physiotherapy organized



a workshop on “Hands-on Training on Taping Technique” on 16th April 2018 by Dr. Prahlad Priyadarshi. The event was inaugurated by Prof. N.K Ganguly President, Apollo hospital education and research foundation and the Hon’ble Vice Chancellor of the university Prof. Ramesh Kumar Goyal with the words of wisdom about the importance of physiotherapy in the modern health care system.



Sports Events

Mr. Sachin Kumar, Mr. Dushyant Rana and
Ms. Natasha Khanchandani

"The moment of victory is much too short to live for that and nothing else"

Martina Navratilova

Delhi Pharmaceutical Sciences and Research University (DPSRU) organized Annual Sports Meet- 2018 from 7th March to 9th March, 2018 at the University sports complex upholding the aspect of sporting events in one's life.

The meet was inaugurated by Hon'ble Vice Chancellor, DPSRU Prof. R. K. Goyal. Prof. Raman Dang Registrar, DPSRU, faculty and staff members of DPSRU and DIPSAR were present at the inauguration. The Hon'ble Vice Chancellor, DPSRU emphasized the importance of sports in the human life. He also talked about the opportunities offered by sports and related events vis-

a-vis to pharmacy.

After the speech of the dignitaries, students and staff were sworn in the oath to uphold the spirit of true sportsmanship by Ms. Natasha Khanchandani, Sports Secretary, DPSRU. The hon'ble Vice Chancellor declared the meet open by lighting the torch.

The enthusiasm of the students can be ascertain from the fact that more than 300 entries were received for singles, doubles or athletic events. In team games 10 teams of boys and 6 teams of girls participated in various events like Volleyball, cricket, basketball, tug of war, kho-kho and throw ball. Other events in which students participated were chess, carom, table tennis, shot-put and athletics.





The results of the various events are as follows:

Events		Boys			Girls		
		Gold	Silver	Bronze	Gold	Silver	Bronze
T a b l e Tennis	Singles	Lalit Kumar (DPH II)	Ashish (BPH IV)	Rohan Wadwa	Kajal Malik (BPH I)	Kaniska (BPT)	Avantika (BPH I)
	Doubles	ankit and Lalit	Shubham and Vishal Kohar	Rohan Wadwa and Bilal (BPH-III)	-	-	-
Chess		Umesh Kumar (MPH-I)	Md. Danish (D II)	Shankar (BPH III U)	Reena Pathak (BPH II)	Madhuri bansal (BSc S I)	Prachi
Carrom		Faisal (BSc S I)	Manish Kumar (BSc S I)	Shubham Tomar (DPH II)	Lata Mangesh Bhati (MPH II)	Mehak Jain (MPH-II)	Aditi (BPH II)
Race	100M	Mahesh dayal (BSc S)	Jatin Bharadwaj (BSc S)	nitin sonkar (BSc S)	Iyene Obong (BSc S)	Gargi Arora	Tanushree Dagar (BPH III)
	200 M	-	-	-	Sakshi (BPT)	Iyene Obong (BSc S)	Pooja Pithambaran (BPH IV)
	400 M	Deepanshu Negi (DPH II)	Mahesh dayal (BSc S)	Dileep	Sakshi (BPT)	Lata (MPH II)	Parul Bhatt (BPT)
	800 M	Aaron Vanom (BPH III)	Shubham (DPH II)	Kshitiz Kashyap	-	-	-
L o n g Jump		Dilip Kushwaha (BPH III)	Shubham (DPH II)	Md. Azam (DPH II)	Reena Pathak (BPH II)	Pooja Pithambaran (BPH IV)	Lata (MPH II)
S h o t - put		Ajeet Singh (BPH)	Yogesh Kr. Atri (DPH)	Ankit Joshi (BPH IV)	Tanya biswas (BPH II)	Pooja Pithambaran (BPH IV)	Dilpreet (BPT)

Events		Boys			Girls		
		Gold	Silver	Bronze	Gold	Silver	Bronze
Cricket		DPH II , Anuj Tyagi, Shubham Tomar, Sushant Arora, Piyush Kumar, Ankit Mishra, Naveen Rathore, Satish Kumar, Surender Yadav, Lalit Kumar, Azam Malik, Dipanshu Negi, Siddhant Verma, Shubham and Abhishek Sharma	BPH I , Abhishek Gaba, Gaurav Sahu, Gagan Rathi, Rinshu Dabas, Ravi Kr. Yadav, Paras Mehra, Ravi, Praful, Faisal, Lalit, RaHul Gaur, Azam Saifi, Md. Sahil, Anurag Panchal and Yogesh	BSc S I , Suraj Singh Negi, Nitin Sonker, Mahesh Kumar, Rajnish Kumar, Manish Kumar, Shashi Bhushan, Pradeep Kumar, Avinesh Bhadoria, Faisal, Ritesh Kanti, Rahul Kumar, Hunney Dabas, Mohsin Helal and Pravesh Dayal			
Basket Ball		BPH III Divyank Tuteja, Anil singh, Aaron Vanam, Akash Shrivastav and Abuzar	DPH II Shubham, Hemant Tanwar, Yogesh Atri, Vishal Kohar, Umesh Bist and Shubham Soni.	MPH Shubham, Ritesh, Aatush, Pankanj and Ubaid			
V o l l y Ball		DPH Shubham, Vishal Kohar, Yogesh Atri, Abhishek, Ashish Malik, Ankur Dahiya, Md. Imran and Anuj Tyagi	BPH III Anil Singh, Divyank Tuteja, Karan Ahuja, Akash Shrivastav, Faizan, Dilip, Sonam Togbey, Virender Bhati and Manish Sharma	BPH IV Akshay Kumar, Anindya Garg, Ankit Joshi, Tejbir, Deependra, Pankaj, Sangam and Gaurav	Team X Lata Bhati, Garima Singh, Deepika Dagar, Rabeena, Karishma, Ankita Pasricha and Deepshi Ranjan	BSc S I Vaishali Rana, Neha Sheel , Natasha Khanchandani, Iyene Obong, Madhuri Bansal, Rinki sharm and Ahilasha kaushik	

Events		Boys			Girls		
		Gold	Silver	Bronze	Gold	Silver	Bronze
Tug of war		BPH II Ajeet, Himanshu Yadav, Ajay Thakur, Pankaj Tushir, Chirag Tomar, Lakshay, Praveen Yadav, Parikshit, Mohit Agarwal, Anurag, Manish Dagar, Mohit and Mohit Dabas	BSc S I Karamjeet Singh Sandhu, Sachin Negi, Shashi Bhushanm Vishan Cahudhary, Chandan Pandey, Narayan Shukla, Akshay, Pravesh Dayal, Abhinav Panda, Aditya Tanwar, Arun Kumar Singh and Malay Dhara	BPH III Virender Bhati, Pankaj, Aman Dhaiya, Nishant Chaudhary, Aaron Vanam, Divyank Tuteja, Anil singh, Milan, Manish Sharma, Lakshay, Faizan and Nishu	MPH Garima, Lata Bhati, Dilpreet kaur, Mehak Jain, Deepshi, Swati, Jyoti, archana, Shivani and Santoshi	BSc S I Hiteshi Khatter, Natsha Khanchandani, Vaishali Rana, Madhuri Bansal, Neha Sheel, Drishti Karir, Pinki Sharma, Aparna Jha, Pooja Dubey and Manpreet Bains	BPH II (U) Shifa Mansuri, Simra Ohra, Disha charrerjee, Kanupriya, Bheebheesa Khatter, Tanya Biswas, Jaishree Sah, Anu, Simran Gautam, Nancy Gola, Aazoo marothe and Neetu Gupta
K h o - Kho					BPT Deepika Dagar, Archana Jha, Rabeena Arshiya Faiz, Azra Saifi, Yashika, Parul Bhatt, Lakshita Prajapati and Mansi Rawat	MPH Lata Mangesh Bhati, Reena Pathak, Deepika, Nikita Savita, Anjali Shivani, Santoshi, Divya and Archana.	BPH II (U) Jaishree Sah, Bhubhusha Kathait, Kanupriya, Tanya Biswas, Disha Chaterjee, Shifa Mansur, Simran Ohari, Nancy Gola and Mamta Siroula
Throw ball					Team Y Lata mangesh Bhati, Mehak Jain, Garima Jain, Deepshi Ranjan, Ankita Pasricha, Shivani Giri, Nikita Savita and Preeti Bhati.	BSc S I neha Sheel, mahuri Bansal, natsha Khanchandani, Pinki Sharma, Iyene Obong, Drishit Karir and Vaishali Rana	BPH II (U) jaishree sah, Sifa Mansuri, Tanya Biswas, Buhusha Kathai, Danupriya Disha Chatterjee and Gargi Arora

For staff events, results are given below:

Events		Male			Female		
		Gold	Silver	Bronze	Gold	Silver	Bronze
Badminton	Singles	Mr. R . K. Bhalla	Dr. Rajiv Tonk				
	Doubles	Dr. Siddharth Sen & Dr. Rajiv Tonk	Mr. R . K. Bhalla				
Race	A b o v e 60	Mr. Sukhbir	Mr. R. P. Sharma	Prof. R. K. Goyal			
	50-59	Mr. Syed Asif	Mr. R.K. Bhalla	Prof. Raman Dang	Prof. H. Popli		
	40-49	Mr. Jeena	Mr. Ajay Puri	Mr. Vivek Mishra			
	30-39	Dr. Mukesh Nandave	Mr. Sameer Ahuja	Dr. Rajeev Tonk	Ms. Bimla Rawat	Ms. Neeta Rathore	Ms. Namrata Bharadwaj
	20-29	Mr. Yak Bahadur	Mr. Hemant	Mr. Ram Kumar	Ms. Monika	Ms. Lata	Ms. Sarita
Carom		Mr. R . K. Bhalla	Mr. Bhagchand	Dr. Rajiv Tonk			
Shot-put		Mr. Jatin Rawat	Mr. S. Robinson	Mr. Sumit	Ms. Neeta	Ms. Amita	Ms. Bimla
Cricket		DIPSAR Mr. Prashant Raghav, Mr. Sachin Kumar, Mr. Ajay Puri, Mr. Vivek Mishra, Mr. Trilok Chand, Mr. jatin Rawat, Mr. Sandeep Pal, Mr. umesh Tomar, Mr. Man Singh, Mr. Mohit, Mr. Naresh, Mr. Devender, Mr. S.k. Sinha, Mr. Syed Asif, Mr. Pankaj	DPSRU Mr. Rajesh Bhalla, Mr. Hement, Mr. Gaurav, Mr. Gaurav Prasad, Mr. Saurav, Mr. Yogesh, Mr. Priyadershi Pathak, Mr. Yak Bahadur, Mr. Naveen, Mr. Ashish, Mr. Manish.				

Events		Male			Female		
		Gold	Silver	Bronze	Gold	Silver	Bronze
Tug of War		DIPSAR Mr. Sachin Kumar, Mr. Jatin Rawat, Mr. Sandeep Pal, Mr. Umesh Tomar, Mr. Avinash Bansal, Mr. S.K. Sinha, Mr. Devender, Mr. Mohit, Mr. Denesh, Mr. Syed Asif, Mr. Sengupta and Mr. Gaurav	DPSRU Dr. Rajiv Tonk, Dr. Ajit Thakur, Dr. Mahaveer Dhobi, Mr. Hemant, Mr. Gaurav Prasad, Mr. Yogesh, Mr. Saurav Kaithwal, Mr. S. Robinson, Mr. RamKumar, Mr. RamjiLal, Mr. Priyadarshi Pathak, and Mr. Naveen		DIPSAR Ms. Neeta Rathore, Ms. Namrata Bharadwaj, Ms. Savita Rani, Ms Poonam Bharti, Ms. Anjana Birdi	DPSRU Prof H. Popli, Dr. Madhu Gupta, Dr. Shilp Jain, Dr. Geeta Aggarwal, Ms. Amita Wadwa	
Volley ball		DPSRU Mr. Gaurav, Mr. Ramkumar, Mr. Ramjilal, Mr. Hemant, Mr. Manish, Mr. Sumit Mr. Gaurav Prasad, Mr. Saurav Katwal	DIPSAR Mr. Sachin Kumar, Mr. Jatin Rawat, Mr. Umesh Tomar, Mr. Sandeep Pal, Mr. Syed Asif, Mr. S. Robinson				
Cricket		DPSRU	DIPSAR				

The meet ended with a cheerful note, heralding the year 2018 and filled

with promises for all the young sports enthusiasts.

Extracurricular Activities & Cultural Programs

Dr. Rajiv Kumar Tonk &
Mr. Arjun Chopra

70th INDEPENDENCE DAY CELEBRATION

15th August 2017

The 70th Independence Day was celebrated on 15th August 2017 with unprecedented patriotic zeal and enthusiasm in the University campus by the faculty, students, lab staff and administration staff. The hon'ble Vice Chancellor Prof. Ramesh K. Goyal accompanied by the university security guards Squad begun the program by customary unfurling of the National flag, by the enthusiastic parade of security guards (Ex- servicemen) of the University.

The Spirit of unity was celebrated by

the melodious performance of Raag (the music society) which was dedicated to the freedom fighters of independence struggle of India and exhibited the rich cultural and different linguistics nurtured by the country.

Prof. Goyal evoked the feeling of patriotism by his address focusing on the responsibilities of everyone as a proud Indian citizen, we as a University catering the first Sports Pharmacy course and as first Pharmacy University. Professor D. P. Pathak, addressed everyone and expressed pride in our rich culture, our army and we as Indian citizens. This was followed by the National Anthem and the celebration concluded with distribution of sweets.





TEACHER'S DAY CELEBRATION

5th September 2017

On the birthday of Dr. Sarvapalli Radhakrishnan, we observe a celebration on 5th September 2017 in University for our path bearers: our teachers. From our mothers who teach us to walk, to our fathers teaching us moral values, this gives us an opportunity to express gratitude to them. Celebrated at Dr. G. K. Narayanan auditorium, the event was graced with the presence of Hon'ble vice chancellor Prof. R. K. Goyal, Prof. D. P. Pathak, and all the teachers with staff and students.

The event started with an address by Prof. 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. In ramp walk competition between teachers Mr. Satish Manchanda and Dr. Komal Singh won the title of Mister and Miss Ramp walk. It was followed by cultural performance of Fitoor- the drama society, who addressed the balance between modern and ancient education system. The music society 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



WORLD PHARMACISTS DAY

25th September 2017

The purpose of celebration of “World pharmacists day” was to understand and celebrate the profession of Pharmacy with the role of Pharmacist’s in our society. On this day i.e. 25th September 2017 all the services offered by Pharmacist were discussed, recognised and appreciated among the Hon’ble Vice Chancellor Prof. Ramesh Goyal, Prof. D. P. Pathak, senior professors, staff members and students in the Dr. G. K. Narayanan auditorium.

Hon’ble Vice Chancellor Prof. Goyal highlighted the role of pharmacists in healthcare, Medicare and society in his special address to the gathering. Rangoli making and poster making competitions were organised for the students which received a healthy participation, and the winners were awarded with certificates. The cultural programme included dance performances by D Flying Dance Society, a music performance by Raag-The Music Society, on the growth and development of India post independence. The programme was over and done with the Oath taking ceremony by Qualified Pharmacist (Faculty) and budding Pharmacist (students) followed by National anthem.

STUDENT’S AWARD FUNCTION

17th October 2017

Student’s Award function was organized with great enthusiasm in university on 17th October 2017 to flourish the morale of students of Delhi Pharmaceutical Sciences and Research University. The function was graced by the presence of Honourable Deputy Chief Minister Delhi, Sh. Manish Sisodia as chief guest and Sh. Ajay Dutt M.L.A. Ambedkar Nagar as Guest of honour.

Delhi Pharmaceutical Sciences and Research University’s achievements and triumph as a prestigious institution catering to the present need of society was celebrated. The Worthy Vice Chancellor Prof. R. K. Goyal motivated everyone in his address to work together to take the esteemed institution to the unprecedented heights. The Honourable Deputy Chief Minister in his address inspired to thrive for the best and continue the excellence the University is paving through. He also felicitated the Health mela winners and academic toppers of University. Cultural performances by RAAG (the music society), Fitoor (the Dramatics society) and Adwitya (the music society) of the university enthralled the audience.





GURUPURAB CELEBRATION

31st October 2017

Guru Nanak Dev Ji's Gurupurab was celebrated in auditorium on 31st October 2017 with the joint efforts of the Staff and students. The event consisted of Sukhmani Sahib Path followed by kirtan, hukamnama & ardas and langar for the students, teachers and staff of the University. The ongoing tradition of celebrating the birth anniversary of the first guru of Sikhs was carried

forward by dynamic groups of students who undertook the task of organizing an event for meditation and praying for the welfare of students and their success in upcoming endeavors like exams, placements. It was attended by students, alumni and faculty alike who put in their efforts in doing sewa and ensuring smooth conduction of the event through helping in langar distribution, decoration, handling shoes of incoming sangat, water stall, maintenance of discipline, invitations, etc.





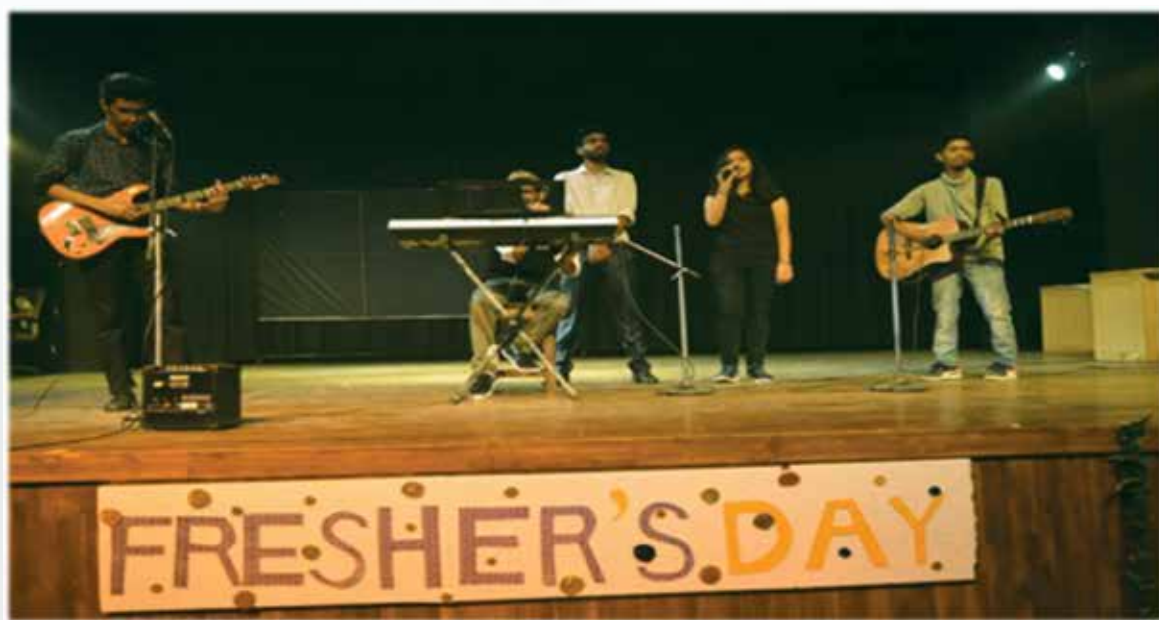
FRESHER'S PARTY

11th November 2017

Continuing with the proud tradition of the college, senior students and newcomers of the UG and PG courses assembled together at the freshers'

welcome party held in auditorium on 11th November 2017, so that the freshers could interact with their seniors and build a healthy relationship with them during their study in coming years. Worthy vice chancellor, Prof. R. K. Goyal, Prof. D.P. Pathak and Prof. Harvinder Popli were the main guests and the event started with the lighting of lamp and Saraswati pooja. Prof. Goyal delivered a speech to encourage senior and newcomer students for better all over performance in the field of studies as well as extra curriculum. He shared his own college sweet memories also. Followed by cultural events which included performance by various societies and students - Raag, Adwitya, D- flying Dance society and verve.

Lunch was organised for students and staff members and Ramp walk was organized with all the freshers participants. The lucky eight won the different titles and pageants. Ishita Katuria from B. Pharm. 1 won the title of Miss Freshers and Ankur Dahiya from Diploma 1 won the title of Mr. Freshers. At the end DJ DECK was organised for the students in the sports complex.



LOHRI & MAKAR SANKRANTI CELEBRATION

12th JANUARY 2018

Lohri & Makar Sankranti was celebrated on 12th January 2018 in the university campus with lots of enthusiasm by the students, faculty members and staff. The celebrations started by the gathering around the bonfire, offering sweets and

popcorns to the flame with the traditional hanging of the mantras. Prior to the prayers, peanuts, popcorn, rewari, til laddoo etc were distributed amongst the attendees. This festival was celebrated with utmost zeal by the students and teachers alike who shared the warmth on the cold day by their mirth and dancing together with full diligence and earnestness.



69th REPUBLIC DAY CELEBRATION

26th JANUARY 2018

The 69th Republic Day celebration was held in the sports complex at DPSRU on 25th January 2018. The flag was hoisted by the respected Vice Chancellor Prof. R. K. Goyal in the presence of Prof. B. P. Nagori, Prof. Raman Dang and Prof. D. P. Pathak. The flag hoisting ceremony was attended by the students, faculty, lab staff and administration staff of the university. Prof. R. K. Goyal gave the command to the standing formation of Students and guards who marched to the beats of National Anthem. Prof. Goyal addressed the gathering and talked about the ongoing events in the college, future plans of introducing new courses, the progress of the incubation centre of the university and last but not the least the role of youth in the development of

the nation. The celebration was graced by the blessings and special presence of Mrs. Shakuntala Goyal.

Prof. Raman Dang, Registrar DPSRU focused on the importance of independence, self realization and everyone's responsibilities towards nation in his address to the gathering.

This was followed by the felicitation of the winners of various events organized during this academic session by the esteemed guests. The program featured a mono act on the subtopic of the lives of soldiers by Mahender Meena. Dr. Rajiv Tonk, Patron Student Union also instilled the feeling of unity and patriotism with motivating slogans- "Bharat Mata ki Jai", "Vande Mataram-Vande Mataram" and "Jai Hind". Sweets were distributed to all the students, guards and faculty members at the end of the celebration.



NATIONAL VOTER'S DAY CELEBRATION

25th JANUARY 2017

The National voter's day was celebrated in the Auditorium with the subtheme of empowering youth and future voters in association with the election commission. The program was attended by Prof. Ramesh K. Goyal, Prof. Raman Dang, Prof. D. P. Pathak, Mr Harish Bajaj, SDM; Mr Ahmed, DM; Mr Tanvir Ahmed, ADM and various other officials from the Election Commission.

The program began on high note with the Saraswati Vandana being sung by the students while the lamp was lit by the honorary guests. The chief guest and other guests were warmly welcomed with floral bouquets as a token of respect.

The cultural events included rock

performance by Raag, the Music society; dance performances each by Adwitya, the Dance society and D-flying dance crew keeping in mind the patriotic theme. A play was performed by the guest drama society on the importance of giving vote wisely. Voter ID cards were also distributed during the function.

SARASWATI PUJA

28th January 2018

On the auspicious day of Saraswati puja, the students and staff of the university assembled together in the Dr. G. K. Narayanan auditorium to get the blessings of goddess of knowledge, music, art and culture. The ritual was graced with the presence of Prof. D. P. Pathak, Director, DIPSAR and all the teaching staff and students.

Both the faculty and students joined hands together, with great zeal and hope to make the ritual a memorable one and to evoke the blessings of goddess of knowledge to have fruitful academic year and personal growth. Prof. Pathak appreciated the efforts of student union and the staff for upholding the traditions and imparting the respect





to our deities. The ritual was conducted by priest, who not only performed the puja but enlightened the students on the concept of worshipping goddess saraswati, ending the puja with distribution of Prasad.

ALUMNI MEET-2017

3rd February 2017

Alumni meet, a first of its kind celebration was arranged for the passed out batches. All the former graduates of DIPSAR were invited to get together and cherish their past experiences and moments. For the registered alumni(s), faculty members arranged a cultural evening with collaboration of SPIC MACAY, a non for profit organization for the promotion of classical music and dance, folk arts, crafts, yoga, classic cinema screenings in schools and colleges.

Yousuf Nizami khan along with his group performed under the banner of Spic Macay. The event finished with announcement of a formal alumni association and the elected members and dinner.

ANNUAL DAY (DIPSAR)

16th March 2018

Annual day is an occasion to earmark all the activities and achievements of an academic year. The event was graced



by the presence of Mr. Rajiv Gulati and Dr. Arun Aggarwal as guest of honour. Hon'ble Vice Chancellor Prof. R. K. Goyal and Prof. Pathak, presented the Annual Report of 2017-18 of DIPSAR. Prof. Pathak addressed the audience with their wise words, highlighting the annual achievements of students of DIPSAR and presented the Annual Report of 2017-18 of DIPSAR.. The cultural segment was handled by the student union and consisted of welcome through Saraswati Vandana, Music medley performance by Raag, dance performance by Malang-the dance society. The highlight of the cultural program was the performance of Ms Pooja PJ, an acclaimed Bharatnatyam dancer and student of B. Pharm. 4th year. The guest of honors felicitated the academic scholars and winners of sports week held during the session 2017-18.

Ms. Arzoo Thakur awarded with LG Trophy-2018 for scoring first rank in GPAT 2017.



FAREWELL

13th April 2018

Farewell with the theme Adieu-2018 was held on 13th April for the B. Pharm., M. Pharm. and D. Pharm. last year outgoing students by the efforts of the Student Union along with students. The function was graced by the presence of Prof. Raman Dang, Registrar DPSRU, Prof. Harvinder Popli, Dean, School of Pharm. Sciences. It was attended by the students, faculty members and staff of the University. The event began on a positive note with Saraswati Vandana, lighting of lamp by esteemed dignitaries, addressing of the

audience by the chief guests, welcome of the students. The cultural events consisted of a dance performance by Reena Pathak & Archana Arya, Music performance by Pankaj and Sandeep of Masters, Bhangra group performance, music performance by Raag and Deepak Tayal, standup comedy act by Sahil and audio visual presentation for the outgoing students commemorating their memories. The decorations consisted of photobooth with props such as robes, hoodies, graduation caps etc. This was followed by dancing on dance floor set up in the sports complex and lunch.



DPSRU Alumni Connect- The Alumni Meet

Ms. Manju Vyas &
Mr. Sachin Kumar

Delhi Pharmaceutical Sciences and Research University has organized the alumni meet on 04/02/2018, from 2:30 PM to 8:00 PM with two objectives:

First, introduction of the DPSRU with our Alumni

Second, Election of the Office Bearers of the Alumni Association.

To successfully attain the said objective interim Office bearers were selected amongst the faculty members of DIPSAR and DPSRU who also happened to be registered alumni. Shri Atul Nasa (Drug inspector, Drugs Control Department, GNCT Delhi), Ms. Archana Mudgal (Registrar cum Secretary, Pharmacy Council of India) and Shri S. L. Nasa (Registrar, Delhi Pharmacy Council) were advisors for the smooth conduction of the meet.

The program started with a workshop 'Ideation to Concept for Startups' organized by DPSRU Innovation and Incubation Foundation (DIIF). The main speaker was Mr. Sreenivasan R., Co-Founder, CL Educate Ltd., who enlightened all the stakeholders with some very useful propositions to become entrepreneurs by doing innovative things.

Alumni (120) from different years attended the meet. Prof. Harvinder Popli welcomed the alumni and spoke about the communications done to gather alumni. She also introduced about DIIF

to the alumni and extensively explains the objectives of DIIF.

"DPSRU has established DPSRU Innovation & Incubation Foundation (DIIF), a section 8 of company to bring forward innovative aspirants from Health care profession and commercialize their research into start-ups. DIIF is providing a platform to the students, faculty, staff, alumni for quality research and extends support for converting their innovation into commercialization. DIIF organize various workshops, seminars and expert talks for students especially the ones who are interested in start-ups and train them for entrepreneurship & management skills. DIIF provides seed funding to the innovative ideas. It is also a place where pool of mentors is created to provide mentorship for the start-ups".

Prof. Ramesh K Goyal (Hon'ble Vice-Chancellor, DPSRU) introduced the University to the alumni and elaborated the objectives with which the university is working.

- To provide infrastructure and research facilities to disseminate 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.

Dr. Geeta Aggarwal (Member Secretary, DIIF) introduced various mentors of DIIF to the alumni.

Awards were also given by DIIF to various Alumni namely Ms. Gunjan Verma, Ms. Bharti Khanna, Dr. Naresh Sharma, Mr. Gurvinder Singh, Dr. Vijay Bhalla, Dr. Nidhi Sandal, Mr. S. L. Nasa, Ms. Archana Mudgal, Mr. Atul Nasa, Mr. Rajiv Gulati, Mr. Kuldeep Wakloo, Mr. P. K. Jaggi, Prof. R. K. Khar, Mr. Pritpal Singh, Mr. Anil Arora, Mr. Ravi Kocchar, Mr. Jatin Gupta, Dr. Ashish Dasgupta, Dr. Sarika Madan and Ms. Devarthi Majumdar for their contribution to the profession of pharmacy.

Mr. Sachin Kumar (interim General Secretary of the Alumni Association) has provided the information regarding the elections of the office bearers of the Alumni Association. He also explained what could be the future course for the elected office bearers of the association which include inter alia bylaws of the

association and future meetings of the association.

Various alumnus shared their view on the future path which could be taken up by the association.

Mr. Satish Manchanda (interim Joint Secretary of the association) declared the result of the elections held for the positions of the office bearers of the association and gave vote of thanks. For the entertainment and relaxing mode, the Spic Macay Qawwali program was organized. All the guest and alumnus appreciated the efforts of the organizers for conducting the meet. The program concluded with dinner for the alumni.



Alumnus are being welcomed by the students in presence of Prof. R. K. Goyal, Hon'ble Vice Chancellor, DPSRU



Students performing the Ganesh Vandana at the Alumni meet.



Prof R. K. Khar, President elected of the association is being felicitated by the Hon'ble Vice Chancellor, DPSRU in presence of Prof. S.S. Agrawal, Prof. D. P. Pathak, Prof. Raman Dang and Prof. H. Popli.

Dr. Naresh Sharma elected Vice President of the Alumni Association expressing his views about the association.











GPAT/Class Topper Students









Ms. Himangini







Mr. Pankaj Gupta student of B.Pharm 4th year scored 11th rank in **GPAT 2018**. Total 49 students of DIPSAR had cleared the GPAT 2018, wherein 53 students appeared.

S. No.	Name of Student	Marks/ Rank	S. No.	Name of Student	Marks/ Rank
1	Pankaj Gupta	286/11	26	Najla Khalid	187/643
2	Aditya Jindal	266/36	27	Poornima Sharma	185/679
3	Nupur Aggarwal	258/64	28	Poornima Manocha	184/679
4	Manjusha	254/74	29	Rohan Aggarwal	181/762
5	Shivam Sharma	254/74	30	Akshay	181/762
6	Juhi Singhal	248/95	31	Ashish Kumar	181/762
7	Anshul Rohilla	243/116	32	Akansha	180/800
8	Harshita	236/147	33	Khushboo	172/981
9	Jayanti Mishra	232/169	34	Aninday Garg	169/1084
10	Hashim Khan	230/179	35	Rohit	162/1330
11	Anushka Gupta	227/194	36	Deepak Tayal	156/1602
12	Shivani Chaudhary	224/211	37	Gaurav Chauhan	154/1693
13	Divya Aggarwal	222/224	38	Rhit Mangla	153/1745
14	Deepika Pathak	221/235	39	Udai Prakash	150/1918
15	Shivani Gulati	216/262	40	Monika Khatri	149/1970
16	Sidhant Sharma	212/312	41	Megha Paharia	146/2145
17	Paras Gupta	212/312	42	Deeksha Aggarwal	146/2145
18	Shaima Bano	210/336	43	Gurubachan	146/2145
19	Devanshi Saini	205/377	44	Sheetal Goel	140/2580
20	Pawan Gupta	196/504	45	Ankit Joshi	138/2707
21	Pankaj	196/504	46	Pooja Rana	106/6382
22	Deependra Singh	195/516	47	Bhargavi Singh	106/6382
23	Navneet Kumar	194/530	48	Kavita Meena	91/9202
24	Aarzo Jain	193/545	49	Rashmi Kumara	87/10089
25	Pooja Vaishnavi	189/608			

Academic Topper

	
Lucky Maurya (D.Pharm 2 nd Year, DIPSAR)	Shrishti Jain (B.Physiotherapy 3 rd Year, DPSRU)
	
Sheena Sharma (B.Pharm 4 th Year, DIPSAR)	Ashi Siddiqui (B.Pharm 3 rd Year SPS, DPSRU)
	
Priya Aggarwal (M.Pharm. P ^r ceutics 2 nd Year, DIPSAR)	Monika Targhotra (M. Pharma P ^r ceutics 2 nd Year, SPS, DPSRU)
	
Jyoti (M. Pharma. Clinical Research 2 nd Year, DIPSAR)	Aarushi (M. Pharma. Clinical Research 2 nd Year, SPS, DPSRU)

	
Mehak (M. Pharma Drug Technology 2nd Year, SPS, DPSRU)	Sumayya Halim (M. Pharma Drug Technology 2nd Year, SPS, DPSRU)
	
Charul (M. Pharma Regulatory Affairs 2nd Year, DIPSAR)	Lovedeep Nagar (M. Pharma Regulatory Affairs 2nd Year, SPS, DPSRU)
	
Kumari Swati Paliwal (M. Pharma Chemistry 2nd Year DIPSAR)	Anchal Sharma (M. Pharma Chemistry 2nd Year SPS, DPSRU)
	
Kamal (M. Pharma. Quality Assurance 2nd Year DIPSAR)	Shagun Khullar (M. Pharma. Quality Assurance 2nd Year SPS, DPSRU)

	
<p>Anurag (M. Pharma Pharmacology 2nd Year, DIPSAR)</p>	<p>Parul Kamboj (M. Pharma Pharmacology 2nd Year, SPS, DPSRU)</p>
	
<p>Yogesh Kumar (M. Pharma Pharmacology 2nd Year, SPS, DPSRU)</p>	<p>Komal, M. Public Health, DPSRU</p>
	
<p>Deepti Sharma, M. Health Management, DPSRU</p>	<p>Nikhil Varshney, MBA (Pharmaceutical Management), DPSRU</p>

Student Shine/Kudos

Mr. Arjun Chpara and Mr. Mariyam Attar

INTERVIEW

Prof. Ramesh K. Goyal

- His first salary accounted to Rs 622 (which is perhaps how much you spend on food in a day)
- Has passion for teaching like none other! Has always been a favorite among students right from the start of his career.
- Got promoted thrice (THRICE) in the initial five years of his teaching career and considers himself very fortunate and always in gratitude for the series of successes he's had
- Happens to have a patent in almost all major branches of Pharmacy
- Important tip to teachers: Always analyze what the students already know before teaching
- Has travelled to more than 100 cities abroad
- Believes Biopharmaceuticals is a field that needs to be looked into by the pharmacy fraternity
- He describes Pharmacology as "Everything About Drugs"



Prof. Raman Dang

- Ques.** If not a pharmacist where do you see yourself in life?
- Ans.** In the Hospitality Sector
- Ques.** What is your fondest childhood memory?
- Ans.** Have been a National level skater
- Ques.** Are you a great cook or a water burner?
- Ans.** Loves cooking, cooks lavish food, and is of a sort of person who will go to the market buy coriander to garnish, if not there.
- Ques.** What is your favorite travel place?
- Ans.** Goa, loves the serenity of the churches there and the beaches, feels strong connection with Goa
- Ques.** What is your approach to solve a problem?
- Ans.** Its important to listen and be



approachable, it really helps ones to conquer problems together.

B Says: Ever smiling, meticulous, uber cool with colourful ties and approachable persona, he finds his bed magical and his cooking therapeutic (Biryani are cool, but chappatis are still a challenge). Remember to ask him what Deepika Padukone looked like when she was young the next time you spot him!

Prof. D.P Pathak

Ques. What is your fondest childhood memory?

Ans. Loved playing Carom

Ques. Who is your favorite actress?

Ans. Mausmi Chaterjee

Ques. If you have to choose a name for yourself what it will be?

Ans. Puniya

Ques. The closest thing to real magic for you?

Ans. Was denied admission in DIPSAR and is now a Director



of the institution.

Ques. Your favorite IPL team?

Ans. Supports Delhi Daredevils but they aren't performing so supporting Royal Challenger Bangalore for the season.

B Says: The ever calm, poised, young at heart, firm believer of the power of team work; a conversation with him is a bliss! A huge Virat Kohli fan with faith in the almighty, his sincere advice for the students is to not be part of the rat race and instead leave their footprints in this field.

(Interview Taken by Ashi Siddiqui and Navneet)



By Aiman Nisar Mahajan B.Pharm 1st Year, SPS, DPSRU



By Ritika Sriwastava B.Pharm 1st Year, DIPSAR

Na bhule he wo
dard zamane
ke....
Na hi wo jazbat
bhula diye....
Hamne to Bas
Apni Kitab se....
Apke kuch "alfaz"
mita diye....

By Sahil Singhal B.Pharm 1st Year, DIPSAR

My self Arshiya Faiz, BPT 2nd Year .

This is my creativity page on instagram, facebook and youtube named "hands2heart card store"

It is a God gifted talent from my childhood, I make cards and gift to my friends and people around me.

But when I got admission in DPSRU, the idea stuck in my mind why not I make my talent to see the world.

Then I make my account and pages on social networking sites in August 2017.

And started an online handmade card shop, And by the grace of God

I got orders from different cities of India like Lucknow, Dargiling, Vishakhapatanam, Rajkot, Gurgao, Ghaziabad, etc. and offcourse from the students of my own college.

I have also decorated my college auditorium on the occasion of World Physiotherapy Day.

Making handmade card is just not a business for me but it's a best way of spreading love .

Follow me on instagram- hands_2_heart_card_store

Follow me on youtube and facebook.

Thank you!



Hostel life

Hostel life is the main charm of college life. In fact, hostel life is the true World of fun and freedom. The students who live in homes envy hostel students. They do not have the parental check. Hostel life is so charming that some students, in spite of having homes in the same city, like to live in hostels.

College life is generally regarded as the best part of a student's life. A College is dreamland of a student's life. It is a beautiful panorama of enjoyment, freedom and friendship. Sweet memories and pleasures of College life are simply amazing.

The first and the last day, group of friends, holidays, functions, other activities and hostel life make College life the most memorable part of student life. In short, it is true that the joys and freedom that seem a dream in school become a reality in college.

"Life in hostel is one of the most

memorable experiences."

Hostel life offers many attractions. The main charm is that of freedom. There is no parental observation and restriction. Hostel students have their timetables for come and go, study and play and sleep and wake. In short, they do as and what they wish to do. They may study at night and sleep in the day. They may or may not attend classes. They may go to cinema whenever they like. So, they have their own lifestyles.

"Freedom is the hallmark of Hostel Life."

Hostel life has the attraction to spend money freely. A hostel Student feels free to demand and spend money. Some boys become extravagant in their expenditure. They wear latest fashion dresses. They can have their rooms very well furnished and they can also attend and arrange parties. They can also adopt expensive hobbies. They feel free to live and spend.



“What a difference, hostel life makes to a student’s life and career.”

Hostel life plays an important role in developing the personality of a student. The students who live in hostels are confident, self-dependent and active. Hostel life helps them to develop the sense of responsibility. Freedom also helps them to grow in a better way. They get good training for practical life. They also feel relaxed and safe from domestic disturbance. So, every student should be given a chance to benefit from hostel life.

“Hostel life teaches a lot of things.”

There are also some dangers of hostel life. Freedom is misused. Lack of check and restrictions becomes a means of immoral activities. Some boys adopt bad habits like smoking, gambling and drinking. Violence also becomes a part of their personality.

Generally, they ignore their studies, waste their time and so fail in the examination. They develop the habit of fraud and lie. They demand more money from their parents on false pretexts. They hesitate to talk about studies and show fake result cards. Fashions become a part of their daily life.

Conclusion

In view of the above discussion, it can be said that hostel life is a mixed blessing. Whether hostel life should be praised or cursed depends on the student. In a hostel, a student can achieve all his targets and come out as a complete man. He can also turn into an angry young man. Overall, we can say that hostel life is a worth-enjoying experience for every student.

Milan

B. Pharm 3rd Year

SOCIETIES OF THE UNIVERSITY

One thing apart from the general air filled with chemicals that reek the halls of DIPSAR, is insanity. That's the only thing this college promises you and to be very honest it does make life more interesting/dramatic. For those of us who like to avoid drama in life and look for it in an art form, there's Fitoor - the dramatics society of DIPSAR/DPSRU. This society helps us find peace away from all the deadlines, the sessional, an enormous amount of practical files and the general madness that surrounds college life. We don't believe in placing any limitations on talent since theatre is an art that's accumulation of acting, dancing, singing and design and also because excellence is kind of a habit. This makes us a group of people who can randomly start singing, break into a dance and

quote a Bollywood movie dialogue with extreme devotion, all at the same time. We've mainly been focusing on street plays and have performed and won at various intercollegiate events. Right from a person who'll have your back for the Gangs of wasseypur-esque fights you'll encounter in this college to a person who'll give you the best pep talks, variety is seen as one of our strong suits. The one thing that binds these varied group of people together is their sheer love for theatre. The joy and thrill of directing an entire play, practicing it for months and finally performing it for an audience is where we find our sanity. Apart from that serenading sanity, the one thing we can promise you unlike this college is that when you join us, you won't find a dramatics society here, you'll find a family.



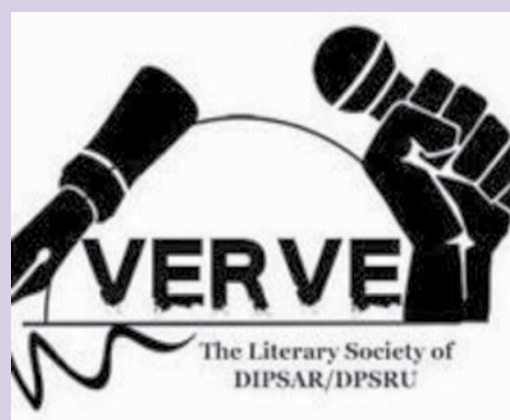
RAAG (THE MUSIC SOCIETY)

We, at Raag, believe in creating an environment where young talented musicians get an opportunity to shine and spread joy and happiness through music. From winning the first ever inter-college music event for our university at Health Mela 2017, to being associated with Gautam Gambhir's charity foundation as fund raisers, the last one year for us has been nothing short of a roller coaster ride. We all are proud to be associated with Raag, and promise to keep working harder every day to keep entertaining you all with our music.



VERVE (THE LITERARY SOCIETY)

The literary society of DIPSAR DPSRU has the primary objective of bringing all enthusiastic students under one roof to discuss, practice and to improve themselves in the quintessential skill of public speaking. We believe that every ounce of argument on paper when represented in impactful manner can cause massive stir and sway people's opinions. Through group discussions, organising events in college, participating and winning in various formats of debates in inter college events, we've built a strong knit family for wholesome development



MALANG (THE DANCE SOCIETY)

Dance is a performing art and can be described in many ways. Malang the official dance society of DIPSAR/DPSRU earlier functioning as Adwitya and D Flying is entering into its 5th year. Believe that dance is a collaboration with music including expression, emotions and feelings. We are a group of people who are hardworking, passionate, and dedicated towards Dancing. Our journey began by winning inter-college competitions like the MTNL Health Mela Our Moto is to entertain and win Heart of the audience. Malang is one of the oldest dance society of DIPSAR/DPSRU and it is moving towards great future.

Celebrity Corner

Himanshi Parashar

Crowned Miss UP-2018, the simple and bubbly student of D Pharma 2nd year fondly reminisces about her childhood when her father would bring her news clips of beauty pageants and ask her to go through them. Initially, she was intimidated but later began admiring the beauty queens and her interest skyrocketed! One day she decided to be



a face in one such news article and then there was no looking back. In her words, she's one step closer to her eventual aim with this victory of hers. She's proud to be representing a diverse and versatile state as UP is, at the national level. She's gearing up to give her best shot at the Miss India finale and we couldn't be more excited to cheer this beauty with purpose.

Pooja PJ

Pooja PJ is a name that is coherent to the corridors of DIPSAR. Currently studying in B Pharma 4th year, Pooja is an allround package with achievements amassing theatre, dance and athletic meets. A graduate in Bharatnatyam from Akhil Bhartya Gandharva Mahavidyala, she represented University of Delhi at Edinburgh Film Festival in August 2017 to perform shows in Scotland.

Her stand out achievement for the year 2017 is participation in creation of World Record in Bharatnatyam for 27 hours from 23 Sep 2017 to 24 Sep 2017 under Nritya Akhand Nrityam. Having won Best Athlete in her first and second year, being the founder member of Fitoor (Dramatics Society) we asked her what's next? Her reply... Everything!

