



PHARMANNUAL 2016-17

DELHI PHARMACEUTICAL SCIENCES AND RESEARCH UNIVERSITY

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

The first University dedicated to the Pharmaceutical Sciences in India

Incorporating its Constituent College

DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH



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DELHI



राज निवास
दिल्ली-११००५४
RAJ NIWAS
DELHI-110054



MESSAGE

I am happy to note that Delhi Pharmaceutical Sciences and Research University is publishing its Annual Report for the academic year 2016 – 2017 reflecting activities and achievements of the first Pharmacy University of India.

Delhi Pharmaceutical Sciences and Research University has a mandate to not only impart education, training and research in pharmaceutical sciences and in the area of allied health sciences but also cater to the health needs of our people. With its new initiatives like postgraduate courses in Biotechnology, Cosmeceutics, and Nanotechnology, I am sure the University and its constituent college “Delhi Institute of Pharmaceutical Sciences and Research” will be able to nurture leaders in the field of pharmaceutical innovation and research, who can fill the gap in meeting therapeutic needs of our society.

I extend my compliments and warm wishes to the students, faculty and staff members of Delhi Pharmaceutical Sciences and Research University in this endeavour and I hope that the University will achieve higher milestones in the time to come.


(Anil Baijal)

MANISH SISODIA
मनीष सिसोदिया



DEPUTY CHIEF MINISTER
GOVT. OF NCT OF DELH
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D.O. No. DYcm/2017/479
Date : 17/7/17

MESSAGE

I am glad to know that Delhi Pharmaceutical Sciences and Research University is bringing out its Annual Report for the academic year 2016-17. The Annual Report is not just a document of activities and accomplishments of the individuals within the University, but also it is a reflection of achievements and progress of the stakeholders.

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

I wish to extend my best wishes for the publication of the Annual Report for the year 2016-17.


(MANISH SISODIA)

FROM CHAIRMAN BOG

15th August , 2017



Prof. Shridhar Dwivedi

MD, PhD (Cardiology) FRCP (London)

FAMS , FIACS (Canada)

Senior Consultant Cardiologist


National Heart Institute , East of Kailash ,

New Delhi -110065 .

MESSAGE

I understand that Delhi Pharmaceutical Sciences and Research University (DPSRU) , the first of its kind in entire Asia mandated with building , developing , promoting and augmenting the entire gamut of pharmaceutical sciences is going to publish its Annual Report for the year 2016-2017. It is one of those moments which fills everyone with pride seeing the budding institution like DPSRU is on an ascending path in all sphere be it academic ,research and training within a short span of one year . This has been possible because of the concerted efforts of the entire faculty ,staff and students under the dynamic and visionary leadership of distinguished Vice -chancellor Prof. Ramesh K Goyal . I believe DPSRU has started some innovative programs like Sports Pharmacy , Sports Sciences ,Yoga besides conventional D Pharm, B Pharm , BPT, M Pharm , MBA In Pharmacy MHM etc. Efforts are on to make this university more applied oriented by starting a world class ' Incubation Centre'. I note with great pleasure the University faculty members have published some 85 research papers, 24 Books/chapters, made 58 conference presentations, delivered 20 invited lectures and have been recipients of 9 awards in the last academic session. This speaks volume about the academic potentials of this university. I am confident that in days to come DPSRU will emerge as centre of excellence in all major disciplines of pharmaceutical sciences .

I extend my best wishes to all members of the DPSRU fraternity particularly to its teachers , students and staff who are going to take this University to greater heights in all spheres of pharmaceutical sciences .'


(Shridhar Dwivedi)

PUNYA S SRIVASTAVA I.A.S
Secretary



सत्यमेव जयते

Government of NCT of Delhi
Department of Higher Education and
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Fax : 27325341

D.O. No. : *PS/TTE/2017/100*

Dated: *11.07.2017*



MESSAGE

I am delighted to know that Delhi Pharmaceutical Sciences and Research University is publishing its Annual Report for the year 2016-2017.

Annual Reports outline the achievements and progress in selected key areas for the past year. In addition, the Annual Report provides an update on the status of University endowment and financial results for the last fiscal year. I appreciate that University is imparting pharmaceutical education to the students to make them competent and contribute positively to the health sector. The report is not merely a document but a reflection of accomplishments of various stakeholders in the University.

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

Punya Salile
(PUNYA S. SRIVASTAVA)



DELHI PHARMACEUTICAL SCIENCES AND RESEARCH UNIVERSITY

(Established Under Act 07 of 2008, Govt. of NCT of Delhi)
Pushp Vihar, Sector-III, M.B. Road, New Delhi - 110 017



सत्यमेव जयते

PROF. S. S. AGRAWAL

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

*National Research Professor
of Pharmacology*

Founder Vice Chancellor

Delhi Pharmaceutical Sciences &
Research University, New Delhi

Former DG, PVC & Gp. Dy. PVC
Amity Group Universities, Noida

Founder Director

Delhi Institute of Pharmaceutical
Sciences & Research, New Delhi

Former Dean

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

Elected President

Indian Pharmacological Society –
2005

*Former National
Coordinator*

QIP, Pharmacy, (AICTE)
GOVT. OF INDIA



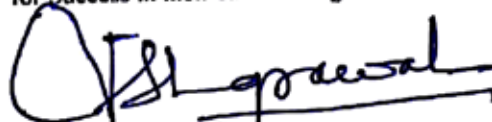
Message

It gives me immense pleasure to know that the Annual Report of Delhi Pharmaceutical Sciences and Research University is being published for the academic year 2016-2017.

I am glad that my dream of opening of a Pharmaceutical University realized by Delhi Government. After Joining as First Vice Chancellor (DPSRU) in August 2015. I opened 13 specialised centres to serve the nation. I found that my success for the university has been marked with approval by PCI (increase in seats 60 to 100 in DIPSAR) and UGC (under section 2f). however Progressive success has been marked with **Pharmacy, Physiotherapy and Hospital management , Hospital administration & 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 a blissful products/services from the university in future . it will show further progress. I handed the shining candle to my successor Professor Ramesh Goyal and Others.

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


(Prof. S.S Agrawal)

MANOJ KUMAR I.A.S.
Director



सत्यमेव जयते

Department of Training & Technical Education
Government of NCT of Delhi

D.O. No. : Ps/Din./Misc./2017/148

Dated : July 14, 2017

MESSAGE

I am happy to know that Delhi Pharmaceutical Sciences and Research University is bringing out its Annual Report for the year 2016-2017.

The Annual Report displays the research carried out by the faculty and post-graduate students of the University. It also reflects the achievements of the students throughout the year. The University produces well-trained pharmaceutical and other health professionals to cater to the need of health sector. I hope that Delhi Pharmaceutical Sciences and Research University will continue to strive hard to achieve new milestones in the field of research and innovation to produce affordable drugs.

I extend my best wishes for the development of this University and publication of Annual Report for the year 2016-2017.


(Manoj Kumar)



DELHI PHARMACEUTICAL SCIENCES AND RESEARCH UNIVERSITY

(Govt. of NCT of Delhi)

Professor (Dr.) S.K. Gupta

PhD, DSc (HC) FIPS, FIACS, FISER, FRMSA

Distinguished Professor

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



August 10, 2017

MESSAGE

It is a great pleasure to see that DIPSAR have created and nurtured a vibrant community of scholars on campus in the past 50 years. It is the right time to move to the next level in health education and I think it is important to note that DIPSAR's has laid a strong foundation for this growth.

I am sure that the University would continue to produce best pharmaceutical professionals for the service of nation and promote research and development in the field of pharmaceutical sciences and in the sector of allied health with betterment of human social life. The progress of the University in last two year has been good as can be seen from the activities and achievements of the students and staff members. I am sure in time to come, it will show further progress.

My warm wishes are for the students, faculty and staff members of the University for Successes in their career and goals set in their life and my heartiest congratulation for bringing out the annual report of Delhi Pharmaceutical Sciences and Research University for the year 2016-2017.

(Prof. S. K. Gupta)

Head Department of Clinical Research

दिल्ली भेषज विज्ञान एवं अनुसंधान विश्वविद्यालय (दप्सरयू)
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Delhi Pharmaceutical Sciences & Research University (DPSRU)

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PROF D. P. PATHAK, Ph.D.
Professor of Pharmaceutical Chemistry
Registrar
Delhi Pharmaceutical Sciences & Research University(DPSRU)
Pushp Vihar, Sector-III, New Delhi-110017

D. O. No. DPSRU/2017/4616

Date 9th August, 2017

J.P.



MESSAGE

It gives me immense pleasure to see the Annual Report of Delhi Pharmaceutical Sciences and Research University is being published for the academic year 2016-2017.

I believe that the University would continue to produce best pharmaceutical professionals for the service of nation and promote research and development in the field of pharmaceutical sciences and in the sector of allied health with betterment of human social life. The progress of the University in last two years has been good as can be seen from the activities and achievements of the students and staff members. I am sure in time to come, it will show further progress.

My warm wishes are for the students, faculty and staff members of the University for Successes in their career and goals set in their life.

(Prof. D.P. PATHAK)

From the Vice Chancellor (Editorial)

Prof. Ramesh K. Goyal, Ph.D.

FIC, FAMS, FIACS, FIPS, FNASc, FICN, FSCH
Vice Chancellor



India has been doing exceptionally well in the pharmaceutical sector because today we are exporting to most of the countries in the world. In terms of production value, we are producing 8-10 per cent of the total drugs produced in the world. In terms of value we contribute 13-14 per cent, and our contribution to the global market is 2-3 per cent. With the signing of WTO's TRIPS agreement, a number of challenges emerged before the industry including development of R&D capabilities and self-reliance in creating new molecules and products. Education with its research capabilities is the key for the economic culture and social progress of the nation. With the untiring efforts of Prof. Shyam S. Agrawal and a progressive and positive vision of the Government, Delhi Pharmaceutical Sciences and Research University (DPSRU) started functioning as the first University in India and second in the world, exclusive for pharmacy in 2015.

Profession of pharmacy and pharmaceutical sciences as such is the most dynamic fields in the healthcare system that has undergone several paradigm shifts in last century. The traditional pharmacy education that began as simple herbal and chemical based drugs understanding shifted from production oriented knowledge development to clinical and hospital based training schools or colleges of pharmacy. As a result of this, pharmaceutical science based institutions started with a direct link to hospitals and community. In the current era as we enter into the concepts of precision medicine, Pharmaceutical biotechnology has come to the forefront and the profession of pharmacy cannot remain in a single capsule of mere pharmacy institution but requires expansion to the level of University wherein various disciplines can come together to keep pace with the development and provide effective means of health care need to the world. It is heartening to note that DPSRU has been one of the few centres of learning in India that has kept a pace to the developments.

Although, DPSRU is just two 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 Programs (QIP) centers of All India Council for Technical Education since 1998. DIPSAR conducted four QIP programs in 2016-17. 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, we are starting many other new courses.

The University in 2016-17 with its constituent college DIPSAR organized 3 major conferences (including National Conference on Pharmacoeconomics and Outcome Research), 4 workshops on topics like non-materials, incubation and innovations, 2 brainstorming sessions and Guest lectures by eminent personalities from India, U.K, USA, Czech Republic in Canada and Russia. To expand horizons and promote research activities the universities 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 is also starting "Incubation Center" to roll out startups. In addition to academics, various extracurricular activities are organized within and outside the campus of the University. Some of such activities include celebrations of Lohri, Makar Sankranti, 68th Republic Day, National Voter's Day, Vasant Panchmi, Annual Sports Day and National Science Day.

'Pharmannual' is a reflection of various academic and research activities and ecosystem at the University. I am happy to note that 2016-17 has been productive in terms of research papers (84), conference participation (58), publication of books and book chapters (24) and Guest lecturers delivered (20) and awards received by the faculty (9). The number may appear smaller in the University, but considering number of regular staff (10) excluding contractual (15), it is satisfying to some extent. The goals for coming years will certainly be high. We wish to encapsulate within the pharmacy profession, opportunities like Bio-markers, Bio-pharmaceuticals, Bio-similars, Medical Devices and other health related teaching career oriented areas emerging out in 21st centuries. We also wish to have reorientation of community based pharmacy programs including pharmacovigilance, pharmacoeconomics, and consultant-pharmacist concept for diabetes, cancer, neurological and cardiovascular diseases. I, call for the cooperation and suggestions from pharmaceutical fraternity of the country to meet this vision and mission of the University. I am thankful to the mentors and advisers of the University, teaching and non teaching staff, students and Alumni for their cooperation.

(Ramesh K. Goyal)

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Former MSU VC to head country's first pharma univ

Prashant Jhupera
@timesgroup.com

Vadodra: Prof Ramesh Goyal, the former vice chancellor (VC) of MS University, was appointed as VC of Delhi Pharmaceutical Sciences and Research University (DPSRU) on Monday.



Goyal has been appointed for a tenure of five years. DPSRU has the distinction of being country's first pharmacy university. The post of VC had fallen vacant after the tenure of its former VC, professor SS Agrawal ended.

"I have received the appointment letter and will shortly join the university," Goyal told TOI. While the search committee formed to recommend names for the post had already submitted its recommendation, Delhi government expedited the process of appointment as it wanted to hand over the charge to the new incumbent from September 1.

Goyal, who had served as 10th VC of MSU between 2009 and 2011, will become second VC of DPSRU which was created through an act of Delhi government in 2008 but started on July 28, 2015. Goyal, 60, is presently serving as executive advisor (research and strategic) at V ClinBio Labs, an incubator at Sri Ramachandra Medical Center and Research In-

stitute at Sri Ramachandra University (SRU), Chennai. Before joining MSU, Rajasthan-born Goyal, who had moved to Gujarat in 1998, was serving as professor in L.M College of Pharmacy, Ahmedabad. DPSRU, earlier known as the Delhi Institute of Pharmaceutical Sciences and Research (DIPSAR), was originally established as the Department of Pharmacy as one of the departments of the Directorate of Training and Technical Education, From College of Pharmacy, it was upgraded and emerged as DIPSAR affiliated to University of Delhi. Later in September 2008, it became first pharmacy university of the country and perhaps also the first one in Asia.

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DPSRU VC stresses need for research in pharma sector



आर.बी.यू. में फार्मा रिसर्च पर हुआ राष्ट्रीय समारोह



राजधानी में फार्मा रिसर्च पर राष्ट्रीय समारोह का आयोजन किया गया। कार्यक्रम में अनेक प्रतिष्ठानों के प्रतिनिधियों का भाग लेना था। कार्यक्रम में अनेक वक्तव्यों का आयोजन किया गया। कार्यक्रम में अनेक वक्तव्यों का आयोजन किया गया।



Delhi Pharmaceutical Sciences and Research University

VISION

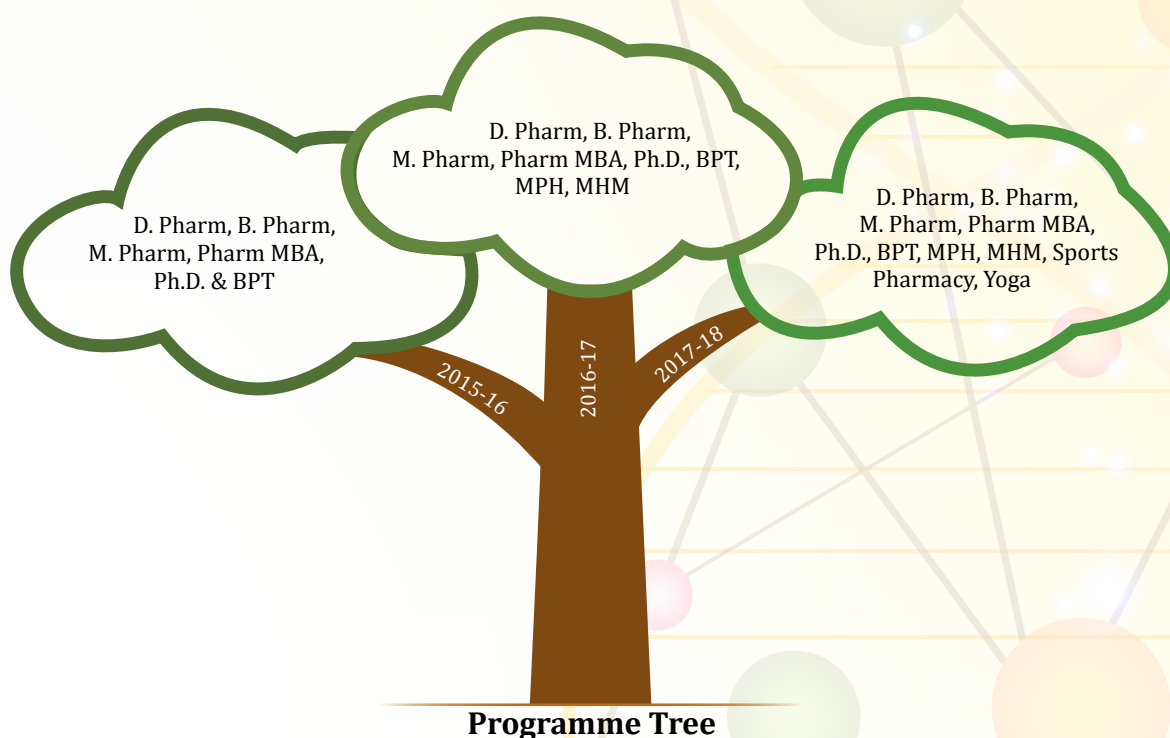
To be the ultimate destination for education, training and research in Pharmaceutical Sciences and allied areas and thereby, cater the health needs of the people at large.

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.



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 vide Notification No. F. 2(412)/2008/SB/Vol. III/71 dated 21.01.2010 and is empowered to award degrees as specified by the UGC under section 22 of the UGC Act 1956 through its own departments and constituent colleges in regular mode vide Notification No. F.9-19/2015(CPP-I/PU) dated 22nd September 2015. Delhi Government legislation on 17th October, 2008 (Delhi Act 07 of 2008) and made functional from 2015-16. The University is situated in the University campus besides the old block. 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. NBA has accredited D. Pharm., B. Pharm. and M. Pharm. (Pharmacology) 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 two 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 2016-17. 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 are being started new courses of M.Pharm in Industrial Pharmacy, Cosmeceutics, Biotechnology and Pharmaceutical Analysis. Other new courses viz. Sports Pharmacy and Management Skills program as well as Certificate Courses in Yoga will be also started from 2017-18.

The University in 2016-17 with its constituent college DIPSAR organized

3 major conference (including National Conferences on Pharmacoeconomics and Outcome Research), 4 workshops on topics like non-materials, incubation and innovations, 2 brainstorming sessions and Guest lecture by eminent personalities from India, U.K, USA, Czech Republic in Canada and Russia. 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 is also

starting “Incubation Center” to roll out startups. In addition to academics various extra curricular activities are organized within and outside the campus of the University, Some of such activities include celebrations of Lohri, Makar Sankranti, 68th 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 being 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.





Authorities of the University



Hon'ble Shri Anil Bajjal
Chancellor

Board of Governors



Prof. S.
Dwivedi
Chairman



Prof. R. K.
Goyal
Vice
Chancellor



Prof. A. K.
Agrawal



Prof. R. C.
Deka



Prof. V. M.
Katoch



Prof. S. K.
Gupta



Mrs. Punya
Srivastava,
IAS



Sh. S. N.
Sahai
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Prof. D. P.
Pathak

Academic Council



Prof. R.K. Goyal
Chairman



Dr. G. N.
Singh



Prof. G. N.
Qazi



Prof. S. K.
Gupta



Prof. K. K.
Sharma



Prof. Farhan
Jalees



Dr. Tanveer
Naved



Sh. Manoj
Kr. IAS



Prof. D. P.
Pathak

Finance Committee



Prof. R. K. Goyal
Chairman



Sh. S. N. Sahai
IAS



Mrs. Punya
Srivastava, IAS



Prof. D. P.
Pathak



Sh. Ajay Puri

Faculty and Staff

Prof. Ramesh K. Goyal
Vice Chancellor

Prof. Dharam Pal Pathak
Off. Registrar (DPSRU) & Off. Director (DIPSAR)

Department of Pharmaceutics	
Dr. Prabhat K. Sahoo	Professor
Dr. Harvinder Popli	Professor
Dr. Meenakshi Chauhan	Assistant Professor
Mr. Bhag Chand	Lecturer (Sel. Grade)
Mr. Anil Kumar Sharma	Lecturer
Mr. Satish Manchand	Lecturer
Dr. Geeta Aggarwal	Assistant Professor
Dr. Madhu Gupta	Assistant Professor
Department of Pharmacology	
Prof. Shyam S. Agrawal	National Research Professor
Dr. Rajani Mathur	Assistant Professor
Mrs. S. Latha	Lecturer (Sel. Grade)
Mr. Sachin Kumar	Lecturer
Dr. Ajit Kumar Thakur	Assistant Professor
Department of Pharmacognosy and Phytochemistry	
Dr. Surender K. Sharma	Professor
Mrs. Manju Vyas	Associate Professor
Mr. Pratap N. Raju	Lecturer (Sel. Grade)
Ms. Sakshi Bajaj	Lecturer
Dr. Mahaveer Dhobi	Assistant Professor
Department of Quality Assurance, Drug Regulatory Affairs & Pharm. Management	
Dr. Artiben R. Thakkar	Associate Professor
Dr. J. Saminathan	Assistant Professor
Department of Pharmaceutical Chemistry	
Dr. Dharam Pal Pathak	Professor
Dr. Sharad R. Wakode	Professor
Mrs. Amrita Parle	Lecturer (Sel. Grade)
Dr. Ramesh Bodla	Lecturer (Sr. Scale)
Ms. Himangini	Lecturer
Dr. Rajiv Kumar	Assistant Professor
Department of Clinical Research	
Prof. Suresh K. Gupta	Distinguished Professor
Department of Hospital Administration & Department of Public Health	
Dr. Richa Pandey,	Sr. Teaching Assistant
Department of Physiotherapy	
Ms. Deepika Aggarwal	Sr. Teaching Assistant
Ms. Shivi Rajvanshi	Sr. Teaching Assistant
Ms. Komal Singh	Sr. Teaching Assistant

VISITING FACULTY

Dr. Anand Kumar	Dr. S.P. Agarwal
Dr. Arura Nigam	Dr. Shivani Dadwal Salaria
Dr. Ashwini Kedar	Dr. Simmi Gera
Dr. Devesh Gupta	Dr. Supriya Singh
Dr. Diwakar Aggarwal	Mr. Atul Kumar
Dr. Hemlata Nimesh	Mr. Manoj Shama
Dr. Kaushiki Mukherjee	Mr. Nitin Charekar
Dr. Maneesha	Ms. Sadia Shah
Dr. Manshi Kochhar	Ms. Aastha Dhingra
Dr. Mita Sinha	Ms. Bhawna Khera
Dr. Monika Ghuliani	Ms. Kiran Sharma
Dr. Neelam Mahajan	Ms. Laxmi Farswan Rathore
Dr. Neeta Goel	Ms. Neelima Shrivastava
Dr. Nilanjali Shah	Ms. Nupur Goel
Dr. P.P. Sharma	Ms. Nupur Sharma
Dr. Pranav Prakash	Ms. Nupur Shrivastava
Dr. Priyanka Chauhan	Ms. Poonam Sharma
Dr. Priyanka R Verma	Ms. Rakhi Ahuja
Dr. Rabea Parveen	Ms. Reshu Goel
Dr. Rajarshi Dasgupta	Ms. Sangeeta Singh
Dr. Ruhi Ali	

ADMINISTRATIVE STAFF

Mr. Prashant Raghav, Administrative Officer	Mr. Sundeep Pal
Mr. Hussain Alam, Asstt. Controller of Exam	Mr. Jatin Rawat
Mr. Veer Prakash Pahuja, Consultant Admn.	Mr. Umesh Tomar
Mr. Ajay Puri (AAO)	Ms. Jyoti Baisla (Office Assistant)
Mr. Sudarshan (OS-I)	Ms. Amita Wadhwa (Computer Operator cum Clerk)
Mr. G.D.Meena (OS-II)	Ms. Saroj (Computer Operator)
Mrs. Anjana Virdhi (Head Clerk)	Mr. Vishnu Pillai (Data Entry Operator)
Mr. Balbir Singh (Stenographer, Grade-I)	Mr. Lakshay Dahiya- (LDC)
Mrs. Indumathi (Stenographer, Grade-II)	Ms. Anjali Singh- (Data Entry Operator)
Mr. Trilok Chand (UDC)	Mr. R. P. Sharma
Mr. Govind Ram (UDC)	Mr. Deepak Kumar
Ms. Poonam Bharti (UDC)	

LIBRARY STAFF

Mr. S. Sengupta	Librarian
Ms. Namrata	Library Attendant
Ms. Neeru	Library Professional Assistant

LABORATORY AND OTHER STAFF

Mr. K. N. Neogi (Glass Blower)	Ms. Shalini Pathania (Lab Assistant)
Mr. Man Singh (Laboratory Attendant)	Mr. Ram Kumar (Lab Assistant)
Mr. Bhagwati (Laboratory Attendant)	Mrs. Meenu Gupta (Girls Hostel Matron)
Mr. Dharamveer (Laboratory Attendant)	Mr. Naresh Kumar (Lift Man)
Mr. Pradeep Kumar (Laboratory Attendant)	Mr. S.K. Sinha (Laboratory Assistant)
Mr. Ram Narayan (Laboratory Attendant)	Ms. Neeta Rathore (Laboratory Assistant)
Mr. Devender Kumar (Lab Assistant)	Mr. Sujoy Robinson (Laboratory Assistant)
Mr. Jatin Gautam (Lab Attendant)	Mr. Kaushal Kishor (Driver)
Mr. Ramji Lal (Laboratory Assistant)	Mr. Naresh (Animal Attendant)
Mr. Avinash Bansal, (Lab. Attendant)	Mr. Hemant (Driver)
Mr. Pankaj (IT Assistant)	Mr. Amit Mehto (Lab Attendant)
Mr. Naresh (Class IV)	Mr. Gaurav (Peon)
Mr. Rajju (Class IV)	Mr. Manish (Peon)
Mr. Mohd. Asif (Sr. Lab assistant)	Mr. Deepak (Peon)
Ms. Bimla Rawat (Store keeper)	Mr. Priyadarshee Pathak (Peon)
Mr. Bishan Singh Jeena, (Boys Hostel Matron)	Mr. Jagjeet Malik (Peon)
Mr. Denesh (Laboratory Assistant)	Mr. Yogesh Kumar (Peon)
Mr. Mohit (Laboratory Assistant)	Mr. Yak Bahadur (Guest House Cook)
Mr. Sukbhir (Lab Assistant)	Mr. Ranjit Paswan (Guest House Attendant)
Ms. Deepali (Laboratory Assistant)	

Infrastructure and Facilities

Mr. Bhag Chand and Dr. Mahaveer Dhobi

Central Instrumentation Laboratory

The central instrumentation laboratory constitutes the heart of the cooperative

research activities at the University. This facility houses many sophisticated specialized equipment for research work of students and researchers.



RESEARCH LABORATORIES AND INSTRUMENTATION FACILITIES

Department of Pharmaceutics	Department of Pharmacology	Department of Pharmaceutical Chemistry	Department of Pharmacognosy
Backman coulter counter	Actophotometer	Air condenser	Binocular microscope
Capsule filling machine	Analgesiometer	Binocular microscope boiling point apparatus	Camera lucida
Coating and polishing machine	Condon's rat manometer	Calorimeter	Column chromatography
Cooling centrifuge	Continuous avoidance response apparatus	Centrifuge	Digital balance

Digital balance	Cook's pole climbing	Column chromatography	HPTLC
Disintegration apparatus	Deep freezer	Cork borer	Muffle furnace
Dissolution apparatus	Digital balance apparatus	Cyclo mixer	P ^H meter
Distillation unit	Digital plethysmometer	Glass joint assembly	Rota vapor
Friability test apparatus	Elisa reader	Digital balance	Soxhlet apparatus
High pressure homogenizer	Haag streit (Universal) slit	DSC	Detection chamber
HPLC	HPLC	Flame photometer	Stage microscope
High shear homogenizer	Kymographs	Fluorimeter	UV spectrophotometer
Hot air oven	Langendorff assembly	FTIR	Vacuum pump
Inverted microscope	Organ bath assembly	HPLC	Vacuum oven
Laboratory centrifuge	Pole climbing apparatus	GC	Hot ari oven
Millipore water system	Rota rod apparatus	Ground glass assembly	BOD incubator
Rotary tablet punching machine	Semi auto analyzer	Hot air oven	Glax Column
Rota evaporator	UV visible spectrophotometer	Ice flaking machine	Autoclave
Water bath shaker	Short wave diathermy	Karl fischer apparatus	Dessictor
Single punch tablet machine	Paraffin wax bath	Microwave synthesizer	
Stability chamber	G box	Refractometer	
Ultrasonic bath	Western blotting apparatus	Rotavapour	
Ultrasonicator	Lyophilizer	Single pan balance	
Fermenter	Fundus camera	Turbovap concentrator	
Laminar flow hood		UV visible spectrophotometer	
Serological water bath		Vacuum distillation assembly	
Binocular microscope		Vlife QSAR software	
Dynamic light scattering		Melting point apparatus	
UV visible spectrophotometer			
Vacuum oven			
Zetasizer			
Vlife QSAR software			

Animal House

The University has a 1000 sq. ft. air conditioned animal house, along with a rabbit run meeting the requirement of all the research activities and CPCSEA protocol. It also has the service areas like records office, washing and autoclaving

area, raw material room for animal feed and a feed preparation room. The experimental modules have been placed at the proximal end of the animal area while the supply and breeding modules are placed at the far end. In order to facilitate unidirectional movement of clean and dirty material, the animal area

comprises of a central clean corridor with the dirty corridor located on either side of the rooms at first floor and on ground floor “clean & dirty” corridor concept has been implemented. The veterinarian staffs have been taken on contract basis. Our animal house supplies rats/ mice/ rabbits to other colleges/research Institutes approved by CPCSEA. The experienced and helpful technical staffs of the Animal House assists the research workers in their animal experiments, and is responsible for proper maintenance of this key facility.



Information Technology Center

All the major research laboratories, faculty rooms, Administration, library, animal house, seminar hall, lecture theaters, auditorium, guest house, etc. are connected by LAN and internet connections. This center provides a variety of services to the students in literature search, computation and graphics. Major software packages available: Windows, Norton Antivirus, Sigma Plot 10.01 and Sigma stat 3.5, server OS 2007 & 2010.

Up gradation to 40 Mbps WiFi from existing 10 Mbps leaseline and networking of entire DPSRU campus is being initiated. Information technology centers provide 24x7 accesses to internet. The University 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. Trouble shooting support is also being provided in resolving network and hardware related problems, along with software support for beginners.



Medicinal Herbal Garden

The Medicinal Herbal Garden at the University is used by M. Pharm. and Ph. D. students working on herbal projects for growing plants for use in their experiments and collection. 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

Museum is facilitated with all kinds of educative anatomical models.



Auditorium

University has a centrally air-conditioned auditorium with a seating capacity of 450. The auditorium also houses well-furnished seminar hall on the first floor for conducting scientific seminars / meetings.



Physiotherapy OPD

The OPD is available in School of Physiotherapy. The out patients and University staffs are benefited here in the presence of trained physiotherapists and faculties of School of Physiotherapy during working days.



Deliberations

State of the art fully air-conditioned ten deliberation rooms exists with the capacity of more than 100 students each with audio visual facility. The deliberation rooms of DIPSAR have been named Lecture Theater 1 - Dr. A. R. Kidwai deliberation hall, Lecture Theater 2 - Prof. Pawan Kr. Singhal deliberation hall, Lecture Theater

3 - Dr. G. Narendra Kumar deliberation hall and Lecture Theater 4. Other than routine lectures, seminars of M. Pharm. and Ph. D. students are also held thrice a week in deliberation halls.



Library







The 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. It is situated on the first floor of the front wing of the Institute. The Library has been equipped with modern furniture, reprography facility and library software system. Established in 1979, the Library is vibrant, well-organized information system, which enables the user to find out the required information in minimum time. It has one of the richest Pharmacy Library collections in India with over 17,000 books covering all branches of Pharmaceutical Sciences like Pharmaceutics, Pharmaceutical Chemistry, Pharmacology, Pharmaceutical Biotechnology, Pharmacognosy and Pharmaceutical Technology. It also has a good collection of books of basic sciences related to Pharmacy like Medicine, Pathology, Biochemistry and Microbiology. During the year 2016-17 the library added 226 books to the library collection.



Research Area & Credentials of Faculty Members

Dr. Rajani Mathur

	<p>Prof. Ramesh K. Goyal Drug discovery (Preclinical and clinical regulatory efficacy, safety and toxicological studies) related to diabetes, its 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, cosmotoxicology and herbotoxicology. Study of oral contraceptive and antiovarian agents in rats. Screening for estrogenic and antiestrogenic activities of herbs and herbal formulation from Dabur Research Foundation.</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. 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. Sharad R. Wakode Designing, planning and synthesizing new organic molecules of therapeutic interest and its screening. Isolation, identification, characterisation of phyto constituents from herbal drugs for their anti-inflammatory, analgesic, antimicrobial activity.</p>	

	<p>Prof. Harvinder Popli Novel drug delivery system, nanopharmaceutical product development. Intellectual Property Strategy Review & Development. Expertise in drug delivery technologies development.</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>Mr. Bhag Chand Pharmaceutical Dosages forms and Drug Delivery System.</p>
<p>Mr. Anil Kumar Sharma Nutraceutical and functional foods, novel drug delivery systems (NDDS), drug delivery, nanotechnology, health science/life science, and biology/cancer biology/neurobiology.</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>Dr. Geeta Aggarwal Formulation and evaluation of Transdermal and Topical drug delivery system using colloidal carriers, drug targeting particularly 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. Rajani Mathur Metabolic disorders and its complications. Pharmacological screening of potential drugs for Cardioprotective effects, Ocular therapeutics. Molecular mechanisms of metabolic disorders.</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>

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.

**Dr. Ajit Kumar Thakur**

Research focussed in neuropharmacology & psychopharmacology with specific reference to investigation of neurotransmitters and biomarkers in CNS co-morbidity associated with metabolic disorders & stress.

Prof. Surendra Kumar Sharma

Biological studies, development and standardization of phytochemicals and herbal drug formulations and their quality control.

**Mrs. Manju Vyas**

Standardization and Screening of various activities of Plant extracts.

Mr. Pratap N. Raju

Standardization of phytochemicals and their biological studies.

**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.

Dr. Mahaveer Dhobi

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

**Dr. Artiben R. Thakkar**

Analytical & Bio-analytical Method Development & Validation, Topical Formulation Development, Study of Intestinal absorption & PK of small molecules, Study of Drug Regulation in various countries.

Dr. J. Saminathan

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>Mrs. Amrita Parle Planning, designing, synthesizing, characterizing and screening of new antimicrobial compounds (benzthiazoles, isonicotinic acid). Development and validation of analytical methods like reverse HPLC, HPTLC, UV for DPP4 inhibitors, SGLT2 inhibitors alone and in combination with other antidiabetic drugs.</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>Dr. Rajiv Kumar Designing, synthesizing, characterization of new drug derivatives (incorporating heterocyclic moiety) of therapeutic interest and their screening as antimicrobial, anticonvulsant, analgesic and anti-inflammatory agents (COX-1, COX-2 and ITK inhibitors). Development and validation of analytical methods for drugs and drug formulations.</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>Ms. Deepika Aggarwal Area of Specialization is Orthopedics Physiotherapy other areas of expertise are neuro-musculoskeletal manual approach for Spinal Disorders, Neuromyoskeletal Dry Needling, Kinathropometry and Taping, Manual therapy, Cardiopulmonary Rehabilitation and biomechanics assessment and physiotherapy management of various traumatic musculoskeletal and sports injuries.</p>
<p>Ms. Shivi Rajvanshi Area of Specialization is Musculoskeletal Physiotherapy. Expertise in Dry Needling, Kinesiotaping and Manual Therapy. Additionally, leading Delhi Health chapter for 'We for WE' (NGO, Global campaign for Women Empowerment) as an Advance Fitness Instructor.</p>	
	<p>Ms. Komal Singh Area of Specialization is Sports Physiotherapy. Expertise in Sports Injury, Sensory Integration, Soft Tissue Manipulation, Myofacial Release, Soft Tissue Release and bone health. Other area of expertise are Fitness Diet & Nutrition and Basic Life Support.</p>
<p>Ms. Urvashi Sharma Area of Specialization is Sports Physiotherapy. Other Areas of expertise are Neuromyoskeletal Dry Needling, Sports Taping, Cupping Therapy, Hydrotherapy, and management of Spinal cord and Hip joint Injury & Rehabilitation of Neurological Conditions such as Cerebral Palsy.</p>	

VISION

To be the ultimate destination for excellence in education, training and research in Pharmaceutical Sciences and allied areas; and thereby cater to the needs of the industry and society at large.

MISSION

To develop able leaders, administrators and personnel who can take up responsibilities as Pharmaceutical Sciences professionals, suitable for community, industries and institutions related to health. Be recognized as a Centre of Excellence in the field of Pharmaceutical sciences and allied areas. Also to make industry-academia linkage, thereby making an overall growth and ethical development of faculty, staff and students.

OBJECTIVES

1. 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.
2. To educate and train manpower for the development of the country and establish linkages with industries for the promotion of science and technology.
3. 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.

Vice Chancellor (April 2015 to September 2016)
National Professor of Pharmacology (September 2016 to continue)



BOG (August 2015 to September 2016)

4. To encourage students for, acquiring self-confidence, self- respect and self-dependence and instill moral values in students making them well disciplined.
5. To pay special attention to the improvement of the social and economic conditions and welfare of the people from the health point of view.
6. To cater to the needs of ethnically diverse students, students with disabilities and special needs.
7. To be able to achieve the technical competence of his/her chosen career, in both theoretical and practical aspects.
8. To have the ability to reason and make decisions independently.
9. To possess good computer, written and oral communication skills.
10. To promote the collaborative research program with national and international bodies.

ACHIEVEMENTS

Govt of India, Ministry of human Resource development, Department of higher education wide letter dated 27.5.2016 DPSRU has taken into consideration to be connected under National Knowledge Network (NKN).

This is as per initiative of MHRD, National mission of education information communication and technology (NMEIC&T):

To provide connectivity for education and learning related means of students, teachers and lifelong partners in the university.

CENTRES AND DIVISIONS

1. Centre for Basic Sciences
2. Centre for Development of Pharmacology & Toxicology
3. Centre for Pharmaceutics
4. Centre for Medicinal Chemistry
5. Centre for Natural Products/ Herbal Drug Technology
6. Centre for Pharmaceutical Technology
7. Centre for Pharmaceutical Analysis
8. Centre for Cosmotovigilance and Herbovigilance
9. Centre for Pharmacy Practice
10. Centre for Pharmaceutical Management
11. Centre for Clinical Research
12. Centre for Pharmaceutical Bio Informatics
13. Centre for Quality Assurance (Drugs and Pharmaceuticals)
14. Centre for Allied Health Sciences

ACADEMICS PUBLICATIONS

1. Current status of mercury levels in skin whitening creams S.S. Agrawal and Pallavi Sharma March-April, 2017 Volume 7, Issue 2, Pages 47-50; <http://dx.doi.org/10.1016/j.cmrp.2017.02.001> (Invitation has been received from china for a talk)
2. The re-evaluation of the presence of heavy metals in various lipstick brands available in Delhi-NCR: A Risk Assessment." S.S. Agrawal and, Namita Kaushik (Journal of Clinical Dermatology & Therapy- 2016HCDDT-16-009)

3. Adulteration of synthetic PDE-5 inhibitors viz., sildenafil and tadalafil in marketed herbal aphrodisiacs S.S. Agrawal & Garima Mishra ; Current Medicine Research and Practice 6 (2016) 152–156.
4. Evaluation of anticancer activity of anastrozole loaded nanoparticle on DMBA induced mice breast carcinoma model." S.S. Agrawal & Nishant Sharma; Human Journals ; January 2017 Vol.:8, Issue:2.
5. Evaluation of anti-cancer activity of nanoparticles of erlotinib on A549 cell line induced lung cancer model of mice. S.S.Agrawal and Garima Mishra. IJPPR/HUMAN-7/2-17 04/02/2017.
6. Anticancer activity of cyclophosphamide nanoparticles against Ehrlich ascites carcinoma cells bearing swiss albino mice." S.S. Agrawal and, Pallavi Sharma, Manuscript ID: RA38-12-16 IJPPR Date: 30.12.2016.
7. THERAPEUTIC EFFICACY OF STEREOISOMERS. S. S. Agrawal, Tanya Kumar and Mohd Mazhar; Volume 6, Issue 6, XXX-XXX. Review Article (DOI: 10.20959/wjpr20176-8584).
8. Evaluation of the antimetastatic and antitumor activity, of antibody loaded pemetrexed nanoparticles, in DEN-HEPG2 Hepatocarcinoma model" S.S. Agrawal and Namita Kaushik; IJPPR/HUMAN-7/5-17.
4. Pharmacological screening of some herbal extracts against testosterone induced alopecia.

THESIS WORK

1. Development and evaluation of polyherbal gel formulation of hair growth potential in rats. (Vandana Singh)
2. To compare the bioequivalence of different brands of VILDAGLIPTIN. (Mahaveer Sharma)
3. To compare the bioequivalence different brands of ivabradine. (Neha Singh)
4. To compare the bioequivalence of different brand of Telmisartan. (Raksha Gupta)
5. To evaluate the anticancer activity of Cannabis sativa in B-16 induce skin cancer model. (Chhaya Sharma)
6. To evaluate the anticancer activity of Cannabis sativa in DEN/HepG2 induced hepatocarcinoma model. (Shobha Dubey)
7. Bioavailability – Bioequivalence study of three brands of clopidogrel. (Mehtar)
8. Formulation of Efferescent tablet from the Liophilized extract of Camellia sinesis using stevia (Rajan Upadhyay)
9. To study the activity of compounds from Phyllanthus amarus against hypothyroidism. (Taniya)

COMMUNICATED PAPERS

1. Models for Alopecia and their validation-
2. Estimation of Chloride, sodium and potassium in common salts. –under communication
3. Therapeutic efficacy of Berberis aristata on certain strain of Fungus.

FUNDED PROJECTS

1. Anti estrogenic activity of certain herbal products. (Amount 7 Lakh plus) awarded by Dabur Research Foundation.

INVITED AS MEMBER BY PRESTIGIOUS ORGANIZATION

1. Invited for CSIR SRF/ RA, selection committee- Delhi
2. Invited as Expert member, Consultation of an evaluation of NIPER February-2017
3. Member – Governing body- Amity University Gwalior
4. Member – Board of Governor- DPSRU Till August 1916
5. Member – UGC- Committee for DOC. Fellow- January 2017

BOOK CHAPTER

The book entitled “Pharmacologist of India” written by Dr. P.C Dandiya, J.S Bapna & S.K Kulkarni: Vallabh Prakash, New Delhi.

INVITED TALK

1. Delivered lecture entitled “shifting the paradigms a pharmaceutical education & Research” May 2016
2. Delivered convocation address- May 2016 (Punjab University)
3. Screening and Development Anti cancer agents QIP, AICTE February 2017
4. Chief Guest and speaker in scientific in session – Bhagwan Mahavir Education Foundation Surat. February 2016.
5. International Conference SAIP – Indore - “Why there was a need of opening a Pharmaceutical sciences & Research University”. February 2016
6. National Seminar entitled “Current Scenario in Novel Drug Delivery Systems” under the aegis of Department of Science and Technology, New Delhi Sri Sai College of Pharmacy, Badhani, Pathankot (Punjab) March 2016.

Thrust Areas of Research

Mr. Anil Kumar Sharma

Clinical Research

DIPSAR was amongst the first few institution to start M. Pharm. in Clinical Research Course since 2004. Five students are admitted each year. The Students are taught clinical research with emphasis on various Phases of clinical trials, Preclinical regulatory requirements as per schedule Y, Patient Recruitment and Retention Regulations for conducting clinical trials as per USA-FDA, MHRA, ICH and Japan. Students undergo protocol designing for IND filing, Roles and Responsibility of ethics committee & compensation in clinical trials. Role of CRO, sponsors and Principal Investigators for conducting clinical trials are also covered in the syllabus. They are given practical exercise on patient information sheet informed consent and designing of Protocols for IND submission.

In addition students are exposed to Pharmacovigilance, its need and importance as per PvPI, UMC & Pharmacovigilance system in various Countries. The Course also covers the Pharmacoeconomics&OutcomesResearch – Basic Principle of Pharmacoeconomics, Patients reported outcomes, Systemic review & Meta-analysis. So far about 65 Candidates have successfully completed their masters in Clinical Research & all of

them are well placed in various prestigious Pharmaceutical Industries. In fact most of the students are placed in the second year itself. It is recognized one of the most successful course in Clinical Research all over the Country.

Division of clinical pharmacy published 3 books namely, Basic Principles of Clinical Research, Drug Discovery and Clinical Research and Pharmacovigilance and drug screening Methods which is Widely referred as text books both in Academia and Industry. It could also established the 1st National Pharmacovigilance Centre at AIIMS 1998, in collaboration with WHO and from 2011 the division has contributed significantly to PvPI. This has become the most vibrant Pharmacovigilance program globally. In view of the contributions, a wing at IPC (PvPI) has been dedicated as Suresh Kumar Gupta wing for Pharmacovigilance. In addition, this division established pharmacoconomics and outcomes research at DIPSAR, which is one of the most emerging fields in the Country and offers an excellent opportunity for pharmacist. For the past five years with exposure to this field, more than 15 students have been placed in the industry with the best perks available to them. Only Institute where students have been trained in this subject.

Development of Novel Nanoformulations

The research activities at DPSRU and DIPSAR encompass pharmaceutical technology, synthesis and analytical techniques, pharmacotherapeutics, standardization of herbal actives and protocols adopted to comply with regulatory milieu of region/country concerned. The formulation development is aimed to design diverse preparations as nanoparticles, vesicles (ethosomes, bilosomes, transferosomes), gels etc. Using polymers chitosan and Eudragit biosomes were fabricated for pravastatin via nanoparticles. Attempts are also made to fabricate bilosomes for delivery of glycopeptides. Peptides are embedded as scaffolds in tissue engineering. Vesicular systems containing salbutamol, curcumin, voriconazole are formulated for transdermal application. The polymeric hemostatic scaffolds purported to act as wound healing, antibacterial, antifungal and local anesthetics were prepared. The gel formulation possessing stimulus sensitive activity (i.e. temperature) was prepared meant for ocular delivery of brimonidine. Similarly, variety of nanometric architects were formulated for control of glaucoma. The principles of Quality by Design (QbD) approach were applied while developing certain dosage forms. Interestingly, effervescent tablets containing green tea extract, consumption of which is in vogue due to its anti-ageing, anti-obesity attributes, were developed and evaluated.

Drug Discovery through Synthetic Chemistry

The chemical classes selected and optimized

by evaluation embrace benzimidazole derivatives, benzothiazole derivatives, benzoxazole, fatty acid derivatives, β -ionone derived chalcones, Mannich base derivatives etc. Analytical assessment was carried out to quantify antidiabetic drugs, antioxidant components of green tea and their stability-indicating assay as well. Moreover, the bioanalytical method development was undertaken to assess drug content in plasma, serum by HPLC, MS.

The major areas covered under pharmacological investigations were anticancer, neuroprotective, stress triggered ailments, diabetic cardiomyopathy and fructose induced metabolic syndrome. The plants selected were *Cannabis sativa*, *Stevia*, *Glycyrrhiza glabra* etc. The medicinal features of herbal produce are systemically elucidated via thorough pharmacognostical evaluation techniques, which involve physicochemical characterization, biological activity determination. The plants which were investigated include *Pistacia integerrum*, *Cucurbita pepo*, *Plumerica obtusa*. Further, determination of antihypertensive and cardiostimulant functions of plants is on.

Regulated Studies for New Drugs

The studies are carried out to compare the prevailing regulations, approaches and challenges while registration of drug products, fixed drug combinations and intra uterine devices (IUDs). Subsequent to drug product/medical device then comes its promotion at various levels by a number of strategies. The impact of e-health and m-health apps was assessed on their terminal users.

FUNDED RESEARCH PROJECTS (ONGOING)

S. No.	Research Project Title	Name of PI/Co-PI	Funding Agency
1	Anti-estrogenic activity of certain phyto-constituents	Prof. S. S. Aggarwal	Dabur Research and Development Center
2	Development of herbal drugs for the prevention and treatment of Diabetic Retinopathy and to elucidate their mechanism of action in experimental rat models	Prof. S. K. Gupta	Department of Science and Technology- UKEIRI PROJECT
3	Design, synthesis and biological evaluation of novel phosphodiesterase-4 (PDE4) inhibitors	Prof. S. R. Wakode	Department of Science and Technology (DST) – Fast Track Scheme for Young Scientists Science and Engineering Research Board (SERB)
4	Rivastigmine loaded nanostructured lipid carrier (NLC) integrated scaffolds transdermal patch system for the treatment of Alzheimer's disease and Parkinson's disease dementia	Dr. Meenakshi K. Chauhan	Department of Science and Technology (DST) – Fast track Scheme for young Scientists Science and Engineering Research Board (SERB)
5	To Study the Intestinal Fructose Transport (via GLUT2& GLUT5 transporters) in Rodent Model of Fructose Induced Childhood-overweight/ obesity and Investigate the Preventive Potential of Medicinal Plants Therein	Dr. Rajani Mathur	Department of Science and Technology (DST)

ONGOING DOCTORAL RESEARCH (ONGOING)

S. No.	Title	Name of Scholar
1	Synthesis of some substituted benzoxazole like heterocyclic compounds and their biological evaluation	Avneet Kaur
2	Design, synthesis and biological evaluation of some novel fatty acid derivatives	Garima Kapoor
3	Pharmacokinetic and pharmacodynamic evaluation of medicinal plant extract in rodent model of fructose induced metabolic syndrome	Jayachandran Nair
4	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	Ravi Kant
5	Design, synthesis and biological evaluation of some new 5-membered heterocyclic scaffolds	Rubina Bhutani
6	Regulations for conducting clinical trials in various countries (US, MHRA, Japan and India) and to compare it with Indian regulations.	Abhishek Singh
7	Development of NDDS for breast cancer	Md. Mazhar
8	BA-BE Studies of certain drugs	Arun Kumar Pradhan
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	Prateek Sharma
10	Development and evaluation of ophthalmic drug delivery system for glaucoma	Pankaj K. Sharma
11	Phytoanalytical evaluation & development of an antihypertensive & cardiogenic herbal formulation	Anubhuti Pasrija
12	Synthesis, characterization, and biological evaluation of some novel prodrugs	Monika
13	Nanotechnology based therapies for skin wound regeneration	Reena
14	Development of short peptide based self-assembling nanostructure as drug delivery vehicle for brain and as a scaffold for tissue engineering	Nitin Yadav

ONGOING POST GRADUATE RESEARCH AT CENTRE FOR PHARMACEUTICAL SCIENCES, DPSRU

S. No.	Title	Name of Scholar
1	Current Regulatory Requirements and Registration Process for Drug Approval of Fixed Dose Combinations (Fdc) in India, Switzerland and other Countries	Ankit Saxena
2	To Prepare a Comparative Common Technical Document of Biologicals in two Different Countries (INDIA & CHINA)	Anubhav Mehra
3	Preparation of a Mock Dossier for Paracetamol Tablet for Indian and Myanmar Markets	Archana Gupta
4	NanovesicularSpanlastic of Voriconazole for treatment of fungal keratitis	Arpita Verma
5	Formulation and Evaluation of Ethosomal Gel of Curcumin	Bhumika Kumar
6	To evaluate anticancer activity of Cannabis Sativa on B-16 induced Skin Cancer	Chhaya Sharma
7	Development and Validation of a Stability Indicating High Performance Thin Layer Chromatography (Hptlc) Method and Uv-Spectrophotometry for Estimation of Empagliflozin and Its Combiantion with Metformin in Bulk and Pharmaceutical Dosage Form	Deepika Sondh
8	Synthesis, Characterization and Antimicrobial Evaluation of Mannich Base Derivatives	Henna Amin
9	RP-HPLC Method Development and Validation of Active Antioxidant Constituents of Tea (Camellia Sinensis) and Application of Method in Estimating these Constituents in Different Marketed Tea Products	Himani Vishnoi
10	Thermosensitive in situ gel for ocular delivery of brimonidine	Kanika Jain
11	Evaluation of the Neuroprotective effect of Stevioside on 3-Nitropropionic Acid (3-NP) Induced Cognitive Dysfunction in Rat Model of Huntington's Disease	Md. Najibullah
12	Consumer Perception & Satisfaction level towards Online Healthcare Portals (E-Health)	Nitesh Gunjan
13	Pharmacognostical Study, Phytochemical Evaluation and In Vitro Pharmacological Activity of Leaves and Bark of <i>Plumeria obtusa</i>	Pramod Narwariya
14	Formulation of Effervescent Tablet of Lyophilized Extract of Camellia Sinensis using Stevia as a Natural Sweetener	Rajan Upadhyay
15	Current Regulatory Challenges and Approaches in Registration of In Vitro Diagnostic Devices (IVD's) in India and Other Countries	Rashi Patel
16	Synthesis, Characterization and Antimicrobial Evaluation of New Benzothiazole Derivatives	Shaista Amin
17	To Evaluate the Potential of <i>Curcuma longa</i> and <i>Terminalia Arjuna</i> Bark Effective against Diabetic Cardiomyopathy in Streptozotocin Induced Diabetic Rat Model	Shubhi Agnihotri
18	To compare the bioequivalence different brands of ivabradine	Neha Singh
19	To compare the bioequivalence of different brand of Telmisartan	Raksha Gupta
20	To evaluate the anticancer activity of <i>Cannabis sativa</i> in DEN/HepG2 induced hepatocarcinoma model	Shobha Dubey
21	Bioavailability-Bioequivalence study of three brands of clopidogrel	Mehar Amena

ONGOING POST GRADUATE RESEARCH AT DIPSAR, NEW DELHI

S. No.	Title	Name of Scholar
1.	Pravastatin-loaded Chitosan and Eudragit [®] 100-55 Nanoparticles: Formulation and Characterization	Akanksha
2.	Synthesis, Characterisation, Antioxidant and Antimicrobial Activity of Novel β -Ionone Derived Chalcones	Faizana Fayaz Zargar
3.	To Study the Impact of Mhealth Apps (Mobile Health) on Consumers	Juhi Jain
4.	Delivery of Salbutamol Sulphate via Transferosomes: A Promising approach for Transdermal Drug Delivery	Jyoti Bansal
5.	To Study the Impact of Mhealth Apps (Mobile Health) on Consumers	Priyanka Udinia
6.	Pharmacognostical and In Vitro Biological Studies on Leaf Galls of Pistacia integerrima J. L. Stewart Ex Brandis	Lalit
7.	Hemostatic Scaffold for Wound Healing and Antibacterial Activity	Manisha
8.	Synthesis and Biological Evaluation of Some Substituted Benzimidazole Derivatives	Md. Sharfaraj Nawaz
9.	Pharmacognostical Study, Phytochemical Screening and In Vitro Pharmacological Activity of Leaves of Cucurbita pepo	Neel Ratnam
10.	Beneficial effects of Glycyrrhiza glabra Linn. Extract against Chronic Stress-triggered Pathologies in Mice	Pooja Raj
11.	Hemostatic scaffolds with local anesthetic activity	Priyanka Singh
12.	Chitosan Composite terbinafine Scaffold for Wound Healing	Roshan Pd. Yadav
13.	Investigating the Potential of Employing Bilosomes as A Novel Vesicular Carrier for Oral Delivery of Glycopeptides	Tanvi Rajput
14.	Efficacy and safety of fixed-dose combination of indacaterol and glycopyrronium in chronic obstructive pulmonary disease: A systematic review of randomized controlled trials	Mohit Hans
15.	To study the Pharmacoeconomic Burden (Cost of Illness) of Diabetes Mellitus at a tertiary care setting (Lady Hardinge Hospital) in Delhi	Vikrant Anjna
16.	Profile of Hypertension in Subjects Attending Comprehensive Health Check-Up Clinic at Apex Institute	Richa Rajora
17.	A retrospective study to assess the weight loss profile in patients with Type-2 Diabetes on combination of GLP- 1 Receptor agonists and SGLT-2 inhibitors	Manish Kumar
18.	A retrospective study to assess the side-effect profile of SGLT-2 inhibitors in patients with Type 2 Diabetes Mellitus	Ashish Sharma
19.	Development and evaluation of polyherbal gel formulation of hair growth potential in rats	Vandana Singh
20.	To compare the bioequivalence of different brands of VILDAGLIPTIN	Mahaveer Sharma
21.	To study the activity of compounds from Phyllanthus amarus against hypothyroidism	Taniya Ganerwal

Research Publications and Awards

Dr. Ajit Kumar Thakur

The staffs and students published a total number of 85 Research/Review articles and 24 Book/Book chapters in 2016-17. 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. Faculty members also invited to deliver lectures in National and International Conferences/Seminar/Workshops on the topics of their research works and were bestowed with various National and International Awards for their Academic and Research contributions during Conferences/Seminar.

Publications

Research/Review Papers

1. **Aggarwal G**, Nagpal M, Kaur G. Development and comparison of nanosponge and niosome based gel for the topical delivery of tazarotene. *Pharmaceutical Nanotechnology* 2016;4(3):213-228.
2. **Agrawal SS**, Mishra G. Adulteration of synthetic PDE-5 inhibitors viz., sildenafil and tadalafil in marketed herbal aphrodisiacs. *Current Medicine Research and Practice* 2016;6(4):152-156.
3. **Agrawal SS**, Mishra G. Evaluation of anti-cancer activity of nanoparticles of erlotinib on A549 cell line induced lung cancer model of mice. *IJPPR. HUMAN* 2017;8(3):185-199.
4. **Agrawal SS**, Sharma N. Evaluation of anticancer activity of anastrozole loaded nanoparticle on DMBA induced mice breast carcinoma model. *IJPPR. HUMAN* 2017;8(2):60-74.
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8. Amin S, **Parle A**. Delicate, fragrant, lady of the night- A medicinal gift. *Journal of Medicinal Plants Studies* 2016;4(6):13-17.
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- and Pharmaceutical Sciences 2017;6:1982-1994.
10. Arora P, Ansari SH, Anjum V, **Mathur R**, Ahmad S. Investigation of anti-asthmatic potential of Kanakasava in ovalbumin-induced bronchial asthma and airway inflammation in rats. *J Ethnopharmacol* 2017;197:242-249.
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 14. **Bajaj S, Wakode SR**. Standarization of *Artabotrys hexapetalus*. *International Journal of Pharmacognosy and Phytochemical Research* 2016;8(3):398-406.
 15. **Bansal H, Pathak DP**. Synthesis and in vitro antibacterial activity of some phenyl urenyl chalcones. *IJPSR* 2016;8(3):1000-1005.
 16. **Bansal H, Pathak DP**. Recent advances in Pyrazoline Derivatives: A review. *Indo Global journal of Pharmaceutical Sciences* 2016;6(1):1-13.
 17. **Bansal H, Pathak DP**. Synthesis and in vitro antibacterial activity of some phenyl urenyl chalcones. *International Journal of Pharmaceutical Sciences and Research*, 2017;8(3):1205-1209.
 18. **Bansal H, Pathak DP**. Synthesis and in vitro antimicrobial activity of new chalcones linked via coumarin ring. *Der Pharma Chemica* 2016;8(15):112-115.
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 24. **Chauhan MK**, Shipra Malik. Regulatory guidelines for approval of biosimilars in India, Europe, Brazil and China: A comprehensive overview. *International Journal of Pharmacy and Pharmaceutical Sciences*, 2016;8(10):7-11.
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36. Kaur P, **Wakode SR**. Synthesis and in vitro evaluation of Anticancer activity of Mannich Bases of Benzimidazole derivatives. *International Journal of Science and Research*, 2016;5(5):1096-1099.
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. Keservani RK, **Sharma AK**, Jarouliya U, Singh AK. Ebola virus disease and its complications. *Universal Journal of Pharmaceutical Research* 2016;1(1):1-5.
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 46. **Manchanda S, Sahoo PK**. Topical delivery of Acetazolamide by encapsulating in mucoadhesive nanoparticles. *Asian Journal of Pharmaceutical Sciences* 2017. doi: 10.1016/j.ajps.2017.04.005.
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Book/Book Chapters

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2. **Goyal RK,** Mehta AA, Shah GB. Derasari and Gandhi's Elements of Human Anatomy Physiology and Health Education. BS Shah Prakashan, Ahmedabad. 2016-17 (26th Edition).
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12. Keservani RK, **Sharma AK,** Kesharwani RK. Drug Delivery Approaches and Nanosystems. Volume 2: Drug Targeting Aspects of Nanotechnology. Apple Academic Press, Taylor & Francis, 2016. ISBN: 9781771885843.
13. Keservani RK, **Sharma AK,** Kesharwani RK. Nanobiomaterials: Applications in Drug Delivery. Apple Academic Press, Taylor & Francis. 2016. ISBN: 9781771885911.

14. Keservani RK, **Sharma AK**, Kesharwani RK. Nutraceutical and Functional Foods for Cardiovascular Health, In: Food Process Engineering Emerging Trends in Research and Their Applications, Edited by Murlidhar Meghwal, Megh R. Goyal, Apple Academic Press, CRC Press, Taylor and Francis. Chapter 10. 2016, ISBN: 9781771884037.
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20. **Mathur R**. Anti-psychotics. In: Drug Screening Method. 3rd edition. ed: Gupta SK, Jaypee Brothers Medical Publishers; Delhi, 2016:393-403.
21. **Mathur R**. Evaluation of Pharmacological activity of herbal medicines. In: Drug Screening Method. 3rd edition ed: Gupta SK, Jaypee Brothers Medical Publishers; Delhi, 2016:245-253.
22. **Sharma AK**, Keservani RK, Kesharwani RK. Biosimilar concept and Regulation, In: Handbook of Research on Novel Approaches for Drug Delivery, Edited By Raj K. Keservani, Anil K. Sharma, Rajesh K. Kesharwani, IGI Global Publisher, USA, 2016.
23. Srivastava S, **Mathur R**, Kumar B, Saklani R. Diabetic retinopathy. In: Drug Screening Method. 3rd edition. ed: Gupta SK, Jaypee Brothers Medical Publishers; Delhi, 2016:645-658.
24. Velpandian T, **Mathur R**. Sexual Dysfunction. In: Drug Screening Methods. 3rd edition ed: Gupta SK, Jaypee Brothers Medical Publishers; Delhi, 2016:121-131.

Conference Paper/Poster/Oral

1. **Aggarwal G**, Nagpal M. Development of multiple emulsions for controlled release of poorly soluble drug. ICMR sponsored 5th Annual International conference on Bioinformatics and Proteomics driven biomarker developments. Chitkara University, Punjab, April 8th, 2017.
2. **Aggarwal G**, Chauhan T, Nagpal M, Paramjot. Soluplus based neem gum matrices for enhanced and sustained release of antidiabetic drug. APTICON-Punjab. Rayat Bahra University, Mohali, Punjab, April 13th - 14th, 2017.
3. Aggarwal H, Kaur H, Saba N, Tiwari M, **Mathur R**. Rutinalleviates insulin resistance by favorably resetting hepatic insulin signaling pathway (PI3K/mtor) that was skewed by fructose in hepg2 cells. 49th Annual Conference of Indian Pharmacological Society. Chandigarh, India, October 20th - 23rd, 2016.
4. Agnihotri S, **SK Gupta**. To evaluate the potential of *Curcuma longa* and *Terminalia arjuna* bark effective against diabetic cardiomyopathy in

- Streptozotocin induced diabetic rat model. 5th International Conference of Pharmacoeconomics and Outcomes Research (India Chapter). DPSRU, New Delhi, March 3rd - 4th, 2017.
5. Ahuja M, Tarun Kakkar, **Sharma SK**. Quantification of Quercetin and Naringenin in *Grewia asiatica* alcoholic extracts by HPTLC analysis. National Conference on Analytical Techniques (NCATA-2017) organized by Dr APJ Abul Kalam Azad Central instrumentation Laboratory. GJUST, Hisar, March 16th - 17th, 2017.
 6. Anjna V, **Gupta SK**. Incidence of Adverse Drug reactions (ADRs) associated with Anti-Diabetic drugs: An overview. Delhi Diabetic Forum (DIABCON), New Delhi, April 6th - 7th, 2016.
 7. Bansal A, Sadik Husain, **Gupta SK**. A comparative evaluation of safety and efficacy of Dipeptidyl- peptidase- 4 inhibitors in the management of type 2 diabetes. Delhi Diabetic Forum (DIABCON), New Delhi, April 6th - 7th, 2016.
 8. Chauhan D, **Sharma SK**. *Urtica dioica*: A Potential Drug for Prostate Diseases. 3rd One Day National Seminar on Current Regulations on Herbal Drugs & Food Supplements. School of Pharmaceutical Education & Research, Jamia Hamdard, New Delhi, in collaboration with Society for New Age herbals, on May 16th, 2017.
 9. **Chauhan MK**, Verma A. Development and evaluation of ethosomes loaded with carvedilol. National conference on Perspectives and Challenges in Pharmaceutical Science sponsor by Indian Pharmacy Graduate Association (IPGA). Shree Ganapati Institute of Technology, Ghaziabad, 2016.
 10. **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). Chitkara University Punjab, 2017.
 11. **Chauhan MK**, Sharma PK. Exploring Oral Route for Amphotericin-B using Nanoparticulate System. One day National Symposium on "Next Gen Challenges in Pharmaceutical Sciences. Panjab University, Chandigarh, 2017.
 12. **Chauhan MK**, 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. BITS Pilani, India, 2017.
 13. **Chauhan MK**, Sharma PK. Rivastigmine loaded Nanostructured lipid carrier (NLC) integrated scaffolds transdermal patch system for the treatment of Alzheimer's disease and Parkinson's disease dementia. International Conference Novel Formulation Strategies. SELECTBIO India, Hyderabad, 2017.
 14. **Chauhan MK**, Malik M. Formulation and optimization of novel elastic vesicular carrier of vancomycin hydrochloride for enhancing corneal permeability. One day National Seminar on Advances in Technology, Regulatory and Clinical aspects in Controlled drug delivery systems. DPSRU, New Delhi, July 15th, 2016.
 15. **Chauhan MK**, Rajput T. Innovative

- techniques to meet industrial expectations. National conference on Industry Expectation from Academia. Lloyd Institute of Management & Technology, Noida, 2016.
16. **Chauhan MK**, Rajput T. Quality by Design: Current trends in Pharmaceutical Research. 3rd One Day National Seminar on Current Regulations on Herbal Drugs & Food Supplements. School of Pharmaceutical Education & Research, Jamia Hamdard, New Delhi, in collaboration with Society for New Age herbals, May 16th, 2017.
 17. Choudhary V, Kumar K, **Gupta SK**. Cost analysis of medication used by hypertensive and diabetes associated hypertensive patients in Delhi. Recent Advances in Cardiovascular Sciences (RACS). February 9th - 11th, 2017.
 18. Fatima G, **Sharma SK**. *Nigella sativa*: A Nutritional and Medicinal Seed as a Vermifuge. 3rd One Day National Seminar on Current Regulations on Herbal Drugs & Food Supplements. School of Pharmaceutical Education & Research, Jamia Hamdard, New Delhi, in collaboration with Society for New Age herbals, May 16th, 2017.
 19. Gaur T, Singh A, Jyoti, **Gupta SK**. Pharmacoeconomic Burden Due to Cardiovascular Diseases in Metropolitan City -Delhi: A Prospective Study. Recent Advances in Cardiovascular Sciences (RACS). February 9th - 11th, 2017.
 20. Gond AK, **Gupta SK**. Management of Diabetic Cardiomyopathy by herbal drugs combination in STZ diabetic rats and its molecular mechanism. 5th International Conference of Pharmacoeconomics and Outcomes Research (India Chapter). DPSRU, New Delhi, March 3rd - 4th, 2017.
 21. Gond AK, Kumar M, **Gupta SK**. RYZODEG - new insulin for management of diabetes: its advantages and disadvantages over the conventional insulin. Delhi Diabetic Forum (DIABCON)- 6th & 7th April, 2016.
 22. Gond AK, Dongare SS, **Gupta SK**. Genestin Ameliorates cardiac inflammation and oxidative stress in Streptozotocin - induced diabetic cardiomyopathy in Rats. Recent Advances in Cardiovascular Sciences (RACS)- 9th to 11th February 2017
 23. **Gupta M**. Cyclic Peptide Conjugated Polymeric Nanoparticles for Dual Targeting Solid Tumor Therapy. Advances in Technology: Regulatory and Clinical Aspects in Controlled Drug Delivery System. One day National Seminar on Advances in Technology, Regulatory and Clinical aspects in Controlled drug delivery systems. DPSRU, New Delhi, July 15th, 2016.
 24. **Gupta M**. Designing and characterization of novel site specific peptide conjugated polymeric nanoparticles for enhanced antineoplastic effect against CD13 receptor. Innopharm-2 as International Conference on Bridging innovations in Pharmaceutical. Medical and Biosciences, 11-12th Feb 2017 at M.P. CST Bhopal India.
 25. Halim S, **Sharma SK**. Herbal Pharmacovigilance: Future Need of India. 5th International Conference of Pharmacoeconomics and Outcomes Research (India Chapter). DPSRU, New Delhi, March 3rd - 4th, 2017.
 26. Halim S, **Sharma SK**. Need for a Separate Regulation on Veterinary Herbal Medicines in India. 3rd One Day National Seminar on

- Current Regulations on Herbal Drugs & Food Supplements. School of Pharmaceutical Education & Research, Jamia Hamdard, New Delhi, in collaboration with Society for New Age herbals, May 16th, 2017.
27. Ibrahim M, Singh S, Malik D, Sharma P, Nair J, **Mathur R**. Effect of *Aeglemarmelos* leaf Extract on Parameters of Hepatic Insulin Resistance Using Primary Hepatocytes Isolated from Rodents. 25th Annual Conference of Delhi Diabetic Forum DIABCON 22-23 April 2017, New Delhi.
 28. Jaiswal A, Sinha S, **Gupta SK**. Prevalence of diabetes and its association with hypertension in urban areas of Gwalior (M.P). Recent Advances in Cardiovascular Sciences (RACS). February 9th - 11th, 2017.
 29. Kaushik N, Soni D, Bhat N, **Gupta SK**. To study the management trends changes, challenges and pharmacoeconomic evaluation associated with the type 2 diabetic patients in Delhi- A metropolitan city of India. Delhi Diabetic Forum (DIABCON)- 6th & 7th April, 2016.
 30. Kharb R, **Sahoo PK**, Nand P, Varshney S, Biswas S. iTRAQ- based proteomic profiling of rat serum in atherosclerosis induced by high fat diet. PSI conference, The Grand, New Delhi, Dec 14th - 17th, 2016.
 31. Kumar M, Jha S, Saxena R, **Gupta SK**. A retrospective study to assess the weight loss profile in patients with Type-2 Diabetes on combination of GLP- 1 Receptor agonists and SGLT-2 inhibitors. 5th International Conference of Pharmacoeconomics and Outcomes Research (India Chapter). DPSRU, New Delhi, March 3rd - 4th, 2017.
 32. Lalit, **Sharma SK**. Pharmacognostical and Phytochemical Screening of Galls of *Pistacia integerrima* Stew Ex Brand. 3rd One Day National Seminar on Current Regulations on Herbal Drugs & Food Supplements. School of Pharmaceutical Education & Research, Jamia Hamdard, New Delhi, in collaboration with Society for New Age herbals, May 16th, 2017.
 33. **Latha S, Mathur R**. Anti-angiogenic effect of hydroalcoholic extract of *Aeglemarmelos* leaves on VEGF induced angiogenesis in Chick Chorioallantoic Membrane. SEFC 2017-4th International congress of Society for Ethnopharmacology Surat, Gujrat, India, February 23rd to 25th, 2017.
 34. **Latha S, Mathur R**. In-Ovo evaluation of aqueous extract of *Psidiumguajava* leaves on angiogenesis using Chick Chorioallantoic Membrane Assay. IPSCON, Chandigarh, October 21st-23rd, 2016.
 35. 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. 25th Annual Conference of Delhi Diabetic Forum DIABCON, New Delhi, April 22nd - 23rd, 2017,
 36. Nair J, Aggarwal H, Kaur H, Saba N, Tiwari M, **Mathur R**. Rutin alleviates insulin resistance by favourably resetting hepatic insulin signalling pathway (PI3k/mTOR) that was skewed by fructose in HepG2 cells. AIGJCON IPS 50th Annual Inaugural Golden Jubilee Conference of Indian Pharmacological Society, IGMS Patna, February 2017.
 37. **Parle A**. Facial rejuvenation and correction of facial deformities using

- dermal fillers and botulinum toxins” at one day national conference on Next Generation Challenges in Pharmaceutical Sciences. Punjab University, Chandigarh, March 17th, 2017.
38. **Parle A.** Innovative Techniques to meet Industrial Expectations. National conference on Industry Expectations from Academia. Lloyd Institute of Management & Technology, Greater Noida, U.P., November 12th, 2016.
 39. **Parle A.** Jack Fruit – A Health Boon. 5th International Conference of Pharmacoeconomics and Outcomes Research (India Chapter). DPSRU, New Delhi, March 3rd - 4th, 2017.
 40. Pasricha A, **Sharma SK.** Translational Research in Ayurveda. 3rd One Day National Seminar on Current Regulations on Herbal Drugs & Food Supplements. School of Pharmaceutical Education & Research, Jamia Hamdard, New Delhi, in collaboration with Society for New Age herbals, May 16th, 2017.
 41. Rajora R, **Gupta SK**, SDwivedi, Sharma V. Profile of Hypertension in Subjects Attending Comprehensive Health Check-Up Clinic at Apex Institute. Recent Advances in Cardiovascular Sciences (RACS). February 9th - 11th, 2017.
 42. Rana R, Gupta A, **Thakkar AR.** Pediatric Population a Miniature Adult - a Delusion. One day National Seminar on Advances in Technology, Regulatory and Clinical aspects in Controlled drug delivery systems. DPSRU, New Delhi, July 15th, 2016.
 43. Saklani R, **Gupta SK.** Rutin: A potential player in combating Diabetes and its complications. Delhi Diabetic Forum (DIABCON), April 6th - 7th, 2016.
 44. **Saminathan J**, Patel R, **Goyal RK.** Regulatory Challenges and Approaches in Registering In-Vitro Diagnostics (IVD's) In India. 3rd One Day National Seminar on Current Regulations on Herbal Drugs & Food Supplements. School of Pharmaceutical Education & Research, Jamia Hamdard, New Delhi, in collaboration with Society for New Age herbals, May 16th, 2017.
 45. **Saminathan J.** Drug Development, Validation and Analytical Methods. National Conference on Pharmaceutical Science Research: Advanced institute of Pharmacy (NCAIP- 2016), Palwal, Haryana, December 24th, 2016.
 46. **Saminathan J.** QbD HPLC Method Development and validation for simultaneous estimation of Abacavir, Lamivudine and Dolutegravir in bulk drug and Formulation. J. Saminathan. One day National Seminar on Advances in Technology, Regulatory and Clinical aspects in Controlled drug delivery systems. DPSRU, New Delhi, July 15th, 2016.
 47. Sharma A, Jha S, Waghdhare S, **Gupta SK**, Saxena R, Siddiqui S. A retrospective study to assess the side-effect profile of SGLT-2 inhibitors in patients with Type 2 Diabetes Mellitus. 5th International Conference of Pharmacoeconomics and Outcomes Research (India Chapter). DPSRU, New Delhi, March 3rd - 4th, 2017.
 48. Sharma N, **Pathak DP**, Sharma R.K. Novel Topical Radiation Decontamination Formulations, National Conference in Chemistry (NCC 2016): Environment and Harmonious Development, Department of Chemistry, Shyam Lal College, University of Delhi, April 2017.

49. Sharma P, Nair J, **Mathur R**. Acute intake of high fructose adversely alters hepatic GLUT2 expression in developing rats that may be mitigated by *Aeglemarmelos* (L.) Correa. in 9th Annual of International Academy of Cardiovascular Sciences (IACS 2017), Vallabhshai Patel Chest Institute, New Delhi, February, 2017.
50. Singh A, **Gupta SK**. Clinical Trails Regulations in India. 5th International Conference of Pharmacoeconomics and Outcomes Research (India Chapter). DPSRU, New Delhi, March 3rd - 4th, 2017.
51. Sharma V, **Wakode S**. Atom based 3D-QSAR of quinoline derivatives and pharmacophore based virtual screening for identification of selective Phosphodiesterase 4B inhibitors. e-poster presentations at 5th Annual European Pharma Congress, Berlin, Germany, 18-20 July, 2016.
52. Singh A, Dwivedi S, **Gupta SK**. Intensive ADR monitoring in cardiac clinic, HIMSR at Jamia Hamdard. 5th International Conference of Pharmacoeconomics and Outcomes Research (India Chapter). DPSRU, New Delhi, March 3rd - 4th, 2017.
53. Singh S, Malik D, Ibrahim M, Sharma P, Nair J, **Mathur R**. Effect of *Psidiumguajava* Leaf Extract on Parameters of Hepatic Insulin Resistance Using Primary Hepatocytes Isolated from Mice. 25th Annual Conference of Delhi Diabetic Forum DIABCON, New Delhi, April 22nd - 23rd, 2017.
54. Soni D, **Gupta SK**. Cardioprotective effects of rutin via alteration in TNF-a, CK-MB, Ang II and NE levels coupled with antioxidant effect in Isoproterenol induced Myocardial Necrosis in Rats. Recent Advances in Cardiovascular Sciences (RACS). February 9th - 11th, 2017.
55. **Thakkar AR**, Ravneet Kaur Rana, Contribution of Developmental Changes Occurring in Pediatric Gastrointestinal Fluid Composition and Volume on Dissolution of BCS Class II Compounds, AAPS Annual Meeting and Exposition- 2016, Denver, USA, November 12th - 17th, 2016.
56. **Thakur AK**, Kumar V. Neurotransmitters Modulating Effect of *Andrographis paniculata* Extract and Isolated Pure Andrographolide in Diabetic Rodents (G. Achari Prize). 50th Annual Inaugural Golden Jubilee Conference of Indian Pharmacological Society. IGIMS, Patna, Bihar, February 14th, 2017.
57. **Thakur AK**. Prospective of Therapeutic and Pharmacological Aspects in Controlled Drug Delivery Systems. One day National Seminar on Advances in Technology, Regulatory and Clinical aspects in Controlled drug delivery systems. DPSRU, New Delhi, July 15th, 2016.
58. **Tonk RK**. Synthesis & assessment of some new Indole and Pyrazole containing Thiobarbituric Acid derivatives as antifungal agents. National Conference Pharmaceutical Science Research: Drug Development, Validation & Analytical Methods. Advanced Institute of Pharmacy, Palwal, Haryana. December 24th, 2016.

Invited Lectures

1. **Agrawal SS**. Shifting Paradigms in Pharmaceutical Education and Research. Convocation Address and the Punjab University Pharmaceutical Sciences Oration, 2016.
2. **Agrawal SS**. Screening and Development Anti cancer agents. QIP, AICTE February 2017.

3. **Goyal RK.** Analysis of Genomic Data in diabetes: Challenges. IASTAM Udupa Oration, BHU, Varanasi. 19th February, 2017.
4. **Goyal RK.** Biomarker based translational research in new drug discovery: Importance of Veterinary Pharmacology. 16th ISVPT Ansari Sabir Oration. Navsari. 16th November, 2016.
5. **Goyal RK.** Changing Paradigms in Pharmacy: What are the Academic Needs? NIPER, Rae Bareli, UP. 23rd November, 2016.
6. **Goyal RK.** Changing Strategies for New Drug Discovery: Genomic Biomarker based Translational Research. Krupanidhi College of Pharmacy, Bangalore. 10th November, 2016.
7. **Goyal RK.** Diabetes and Inflammation. DIACON 2016, Ahmedabad. 02nd December, 2016.
8. **Goyal RK.** Frontier Research in Natural Products: Opportunities and Challenges. National Conference, AKS University, Satna. 03rd February, 2017.
9. **Goyal RK.** Genome based diagnostics and therapeutics in cardiovascular complications: any light in the tunnel? IACS (European Section), Paris. 02nd October, 2016.
10. **Goyal RK.** Identification of Important Drug Residue and its Identification on Hospital Effluent. Delhi Pollution Control Council, Delhi. 09th November, 2016.
11. **Goyal RK.** Importance & responsibilities of pharmacists in clinical data management & documentation. Pharmacy Practice Seminar, Sri Ramachandra University, Chennai. 8th September, 2016
12. **Goyal RK.** Interdisciplinary Education for Pharmaceutical Skills & Entrepreneurship. APTOCON-Punjab Rayat Bahra University, Mohali. 13th April, 2017.
13. **Goyal RK.** Personalized Medicine in Diabetes and Cancer: Role of Pharmacy. National Conference, NIPER, Hyderabad. 16th March, 2017.
14. **Goyal RK.** Phytomedicine in the treatment of cancer amidst Precision Medicine: How it can be Novel? ICMR sponsored conference on Phytomedicine, Nagpur. 25th March, 2017.
15. **Goyal RK.** Responsible Use of Medicines. 1st National Conference on Pharmacy Practice. SGT University, Gurgaon, Haryana. 23rd April, 2017.
16. **Goyal RK.** Role of inflammation in diabetes and its complications. IACS, India Section, Delhi. 09th February, 2017.
17. **Goyal RK.** Significance of Biostatistics in diabetic Research. Diabetes India, Delhi. 24th February, 2017.
18. **Goyal RK.** What is likely to be Future of Pharmaceutical Sector? Lloyd College of Pharmacy, Greater Noida, UP. 12th November, 2016.
19. **Pathak DP.** Skin Safety Studies of Topical Radio-decontaminating Nanoemulsions" Navneet Sharma, Dharam Pal Pathak, Rakesh Kumar Sharma, Nanoscience Tech, 2016, Panjab University, Chandigarh, Panjab, India.
20. **Sharma SK.** Need of Standardization in Herbals. XXIII-Quality Improvement Programme from 27thFeb - 10th March 2017 on "Update on Trends in Pharmaceutical Sciences", held at DPSRU, New Delhi, on 10th March 2017.

Awards

- 1. Aggarwal G:** Awarded with best paper presentation award during ICMR sponsored 5th Annual International conference on Bioinformatics and Proteomics driven biomarker developments on 8th April, 2017.
- 2. Chauhan MK:** Awarded with best Paper Award. 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, 2017.
- 3. Goyal RK:** Ansari Sabir Oration Award Navsari Gujarat, 16th November 2016.
- 4. Goyal RK:** Awarded with Prof. K. N. Udupa Award by IASTAM, Varanasi 2017.
- 5. Gupta M:** Awarded with 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.
- 6. Mathur R:** Awarded with best Oral Presentation award (First Prize). Effect of *Nigella sativaseed* extract on parameters of hepatic insulin resistance using primary hepatocytes isolated from rodents. Delhi Diabetic Forum (DIABCON)- 6th & 7th April, 2016.
- 7. Popli H:** Awarded with International Leadership Innovative Excellence award for Contribution in Corporate Pharmaceutical Sector, by Institute of Economic Studies, April 2017
- 8. Saminathan J:** Awarded with Rangachari Memorial award 2016 by Tamilnadu Pharmaceutical Welfare Association for the project work on QbD Analysis for the simultaneous estimation of abacavir, lamivudine and dolutegravir in combined tablet dosage forms, 2016.
- 9. Thakkar AR:** Awarded with Dr. P. D. Sethi Memorial award for the Best Research Paper (3rd Prize). November, 2016.
- 10. Thakur AK:** Awarded with prestigious G. Achari Prize during 50th Annual Inaugural Golden Jubilee Conference of Indian Pharmacological Society, February 14th, 2017, Patna, Bihar.



Awarded with best Poster presentation award. One-day National Seminar on Advances in Technology, Regulatory and Clinical aspects in Controlled drug delivery systems. DPSRU, New Delhi, July 15th, 2016

Awarded with best Oral Presentation award (First Prize). Delhi Diabetic Forum DIABCON, 2017, India



Awarded with best Poster award. 5th International Conference of Pharmacoeconomics and Outcomes Research (India Chapter). DPSRU, New Delhi, March 3rd - 4th, 2017

Awarded with International Leadership Innovative Excellence award for Contribution in Corporate Pharmaceutical Sector by Institute of Economic Studies, Malaysia, 14th April 2017



Awarded with prestigious G. Achari Prize. 50th Annual Inaugural Golden Jubilee Conference of Indian Pharmacological Society, IGIMS, Patna, Bihar. February 14th, 2017

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Ravi Saklan^a, Suresh Kumar Gupta^a, Sparsha Ray Mishra^a, Binu Kumar^a, Sudama Srivastava^a, Rajani Mathur^a

Protective effect of *Tephrosia purpurea* in diabetic cataract through aldose reductase inhibitory activity

Shradha V. Bhatnagar^a, Vivek K. Vyas^b, Ramesh K. Goyal^c

^a Department of Pharmaceutics, Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat, India
^b Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat, India
^c U-Cell Lab, Nirma Institute of Pharmacy, Gandhinagar, Gandhinagar, Ahmedabad, India

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The Pharma Clinica, 2016, 8(1):113-118
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S.S. Agrawal^a, Pallavi Sharma^a

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Investigation of anti-asthmatic potential of Kanakasava in ovalbumin-induced bronchial asthma and airway inflammation in rats

Poonam Arora^a, S.H. Ansari^a, Varisha Anjum^a, Rajani Mathur^a, Sayeed Ahmad^a

^a Department of Pharmaceutics & Pharmacology, Faculty of Pharmacy, Jamia Hindustan (Aligarh Institute), New Delhi 20136, India
^b Department of Pharmacology, All India Institute of Pharmaceutical Science and Research (AIIPSI), New Delhi, India

Development and Validation of a Stability-Indicating Reverse Phase HPLC-PDA Method for Determination of Canagliflozin in Bulk and Pharmaceutical Dosage Form

Adhveer Kaur^a, Shafiqul Waheed^a, Harshwan Pal Singh^a, Satish Manchanda^a

Amphotericin-B loaded Chitosan Nanoparticles Intended for Oral Delivery: Biodistribution, Pharmacokinetic and Scintigraphy Study in Rabbit Model

Mirvashini Chakraborty, Nidhi Bhatt

NYDA Research Laboratory, Department of Pharmaceutics, Delhi Institute of Pharmaceutical Science and Research (DIPSRI), New Delhi, India

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Rakhee P., Tusha B., Chaitan P., Rishi B. and Kumar A.P.

Beneficial effects of an *Andrographis paniculata* extract and andrographolide on cognitive functions in streptozotocin-induced diabetic rats

Ajit Kumar Thakur^a, Geeta Rai^a, Shyam Sunder Chatterjee^a and Vikas Kumar^a

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Rohini Sethi^a, Prof. Harinder Puri and Sauri Sethi^b

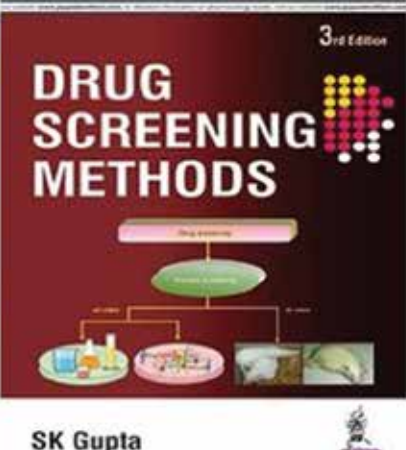
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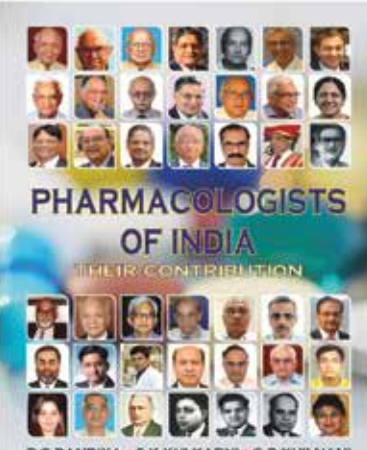
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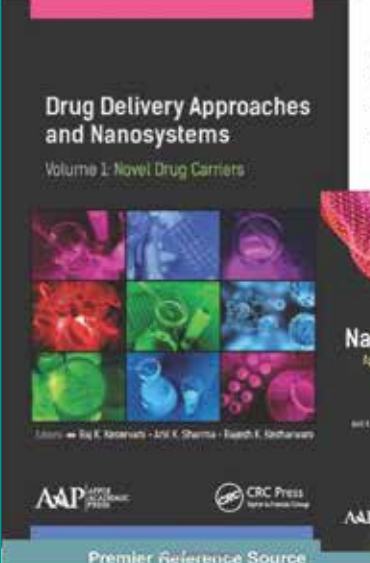
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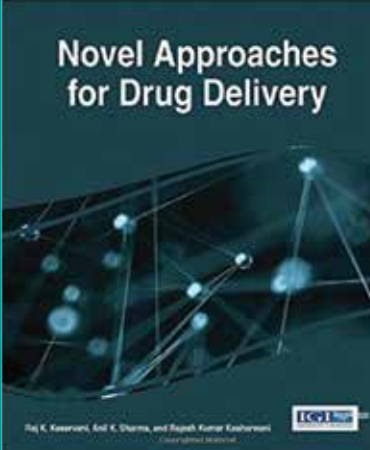


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AAP


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Journey of Fortunes as Pharmacologist



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Novel Approaches for Drug Delivery
Raj K. Katarwari, Anil K. Sharma, and Rajesh Kumar Kishorewari
CRC Press



Recent Advances in Drug Delivery Technology
Raj K. Katarwari, Anil K. Sharma, and Rajesh Kumar Kishorewari
CRC Press

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From the College of Pharmacy, Pusa to DIPSAR University, New Delhi



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CHAPTER
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NANOTECHNOLOGY FOR ORAL DELIVERY OF ANTICANCER DRUGS: AN INSIGHT POTENTIAL
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**Hidayatullah Sarkar Institute of Pharmacy, Delhi, Mehboob Prasad, India
***Drug Delivery Laboratory, Asian Institute of Technology, Rajapur, Chhatrapur, India

Chapter 11
Promising Novel Nanopharmaceuticals for Improving Topical Antifungal Drug Delivery
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Ocular Pharmacology Lab

Prof. S. K. Gupta

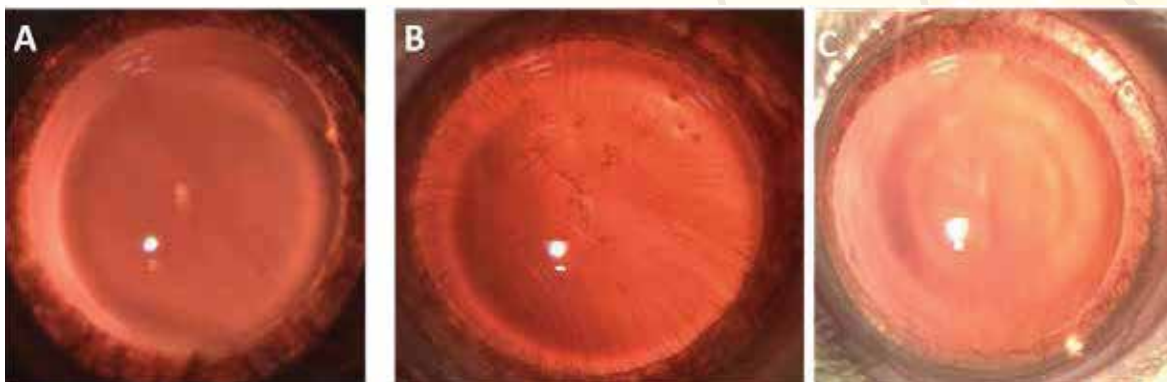
Ocular Pharmacology Lab at DIPSAR established in 2004, is the first and the only laboratory in India that is well equipped with the latest technology to study the management of various ophthalmic disorders as mentioned below:

Prevention and Treatment of Cataract

Cataract is responsible for almost 13% of the population in India. As the age advances above 40 years cataract formation slowly occurs. It may take different time course to mature in individuals. Although surgery is quite safe and effective but beyond the reach of rural population. In addition, if preventive measures are not taken, it may result infection and some time may

lead to endophthalmitis. Therefore, there is research for drugs that can prevent development of cataract or arrest its progression. Our efforts have been to develop drugs and formulation that arrest the progression or delay its onset.

Ocular Lab has established techniques to demonstrate that Cataract can be effectively prevented and arrested by various herbal drugs in animal models. Several methods have been established to study how cataract can be induced in animal models both in vivo and in vitro models. Molecular mechanism for cataractogenesis have been established. Cataract is evaluated with slit lamp, fundus camera and ophthalmoscope to study the various stages of cataract.



Development of Drugs for the Management of Glaucoma

Glaucoma is the second leading cause of blindness globally with accounts for 12.3% of the global blindness. In India 12.8% of total blindness nearly 30% cases remain undetected hence it poses a challenge to the ophthalmologist presently available drugs suffer from the drawbacks high cost and numerous side effects. Keeping this in view our attempt has been to develop a formulation which is safe effective and economic for the treatment of glaucoma. Ocular lab has established several techniques to study the anti-glaucoma activity of various drugs. These include measurements of intraocular pressured in animals, normotensive in water loaded animals and, steroid induced glaucoma and laser induced glaucoma in rabbits and rats. It has been demonstrated that glaucoma can be effectively treated with a novel herbal formulation developed in this laboratory. It is much safer and effective as compared other drugs available in the market because of its neuroprotective activity. Exact molecular mechanisms has been established for the cataract genesis. Several formulations have been found which can prevent the cataract formation in animal mode. Technology has been established to study the retinal changes in rats by using fluorescein angiography using nidec fundus camera.

Developments of Drugs for the Treatment of Diabetic Retinopathy (DR)

DR is emerging as one of the leading causes of blindness in both developing and developed countries. It is estimated that nearly 400 million people are affected with diabetes worldwide and the number is likely to reach close to 600 million by 2035. Over 90 million people are estimated to be suffering from DR, of

which 17 million have PDR, 21 million have DME, and 28 million have severe vision-threatening DR.

Ocular Pharmacology lab has established the technology to induced diabetic retinopathy in streptozotocin induced rats. The changes in the retina are observed by using the most advance techniques of fluorescein angiography to detect the retinal changes due to neuroretinal and microvascular changes in the rat eye. These are documented by fundus camera, electron microscopy & histopathological studies. In addition clinical biomarkers & molecular basis for the treatment of diabetic retinopathy are used for establishing the efficacy of various natural products. It has been shown that a novel herbal formulation is quite effective in the treatment of Diabetic Retinopathy. Several patient have been filed on the outcomes. This is probably the only facility in Asia, which is well establish to document the diabetic retinopathy in animal model.



Management of Diabetic Cardiomyopathy by Various Natural Products

Cardiovascular complications due to long-term uncontrolled hyperglycemic condition are the leading cause of morbidity among diabetic patients, in both developed and developing nations. Coronary artery disease was considered one of the major risk factors in heart

failures. However, several studies have shown that diabetic patients without any coronary artery disease or hypertension also develop heart failure. Thus, long-standing diabetes results in structural and functional alterations in the myocardium of diabetic patients leading to a condition known as diabetic cardiomyopathy. Etiology of Diabetic cardiomyopathy (DCM) is very complex with several interlinked mechanisms chargeable for damage to the heart in diabetic condition. Unfortunately, exact molecular mechanisms and the sequence of events leading to DCM are still elusive. But of all the mechanisms, oxidative stress and inflammation have been implicated to play a central role in the progression of DCM.

Studies Conducted in our laboratory have clearly demonstrated that natural products play an important role in the management of Cardiomyopathy. These studies have been carried out using histopathological studies, measurement of cardiac electrophysiology (ECG) and various biomarkers e.g. TNF- α , CRP, and BNP levels coupled with antioxidant effect in STZ- induced diabetic rats.

Facility to Study Molecular Mechanisms and Clinical Biomarkers

Ocular Lab is well established to conduct studies to carry out research on molecular basis. Several studies have been conducted using various biomarkers to establish the efficacy of the drugs and their mechanisms. Electron micro-graphy have also been used to study the changed after inducing the disease.

The department of Ocular Pharmacology could fetch five research grants from Department of Sciences and technology one each from ICMR and AICTE. Total funding Rs. 4.5 Crore, Highest among all faculties at DIPSAR and is also got UK-India Research Educational grant under UKIERI scheme in collaboration with Manchester University, UK. As a result of the work department could get two international patents in USA & One in Russia in addition to fourteen Indian from DPRP-DST Funds. More than 50 research papers were published in prestigious International journals with high Impact factors.



UK-INDIA Initiative in Education and Research (UKIERI). Collaborative Project between DIPSAR and University of Manchester, UK

Yoga & Fitness Centre

Acharya C. P. Ray

“Yoga is not an ancient myth buried in oblivion. It is the most valuable inheritance of the present. It is the essential need of today and the culture of tomorrow.”- Swami Satyananda Saraswati

Yoga is the science of right living and, as such, is intended to be incorporated in daily life. It works on all aspects of the person: the physical, vital, mental, emotional, psychic and spiritual.

The word *yoga* means ‘unity’ or ‘oneness’ and is derived from the Sanskrit word *yuj*, which means ‘to join’. This unity or joining is described in spiritual terms as the union of the individual consciousness with the universal consciousness. On a more practical level, yoga is a means of balancing and harmonising the body, mind and emotions. This is done through the practice of asana, pranayama, mudra, bandha, shatkarma and meditation, and must be achieved before union can take place with the higher reality.

The science of yoga begins to work on the outermost aspect of the personality, the physical body, which for most people is a practical and familiar starting point. When imbalance is experienced at this level, the organs, muscles and nerves no longer function in harmony, rather they act in opposition to each other. For instance, the endocrine system might become irregular

and the efficiency of the nervous system decrease to such an extent that a disease will manifest. Yoga aims at bringing the different bodily functions into perfect coordination so that they work for the good of the whole body.

An international day for yoga was declared unanimously by the United Nations General Assembly (UNGA) on 11 December 2014. The Indian Prime Minister Narendra Modi in his UN address suggested the date of 21 June, as it is the longest day of the year in the Northern Hemisphere and shares special significance in many parts of the world.

On the event of International Yoga Day 2017, Yoga programme was organised at DPSRU, New Delhi in the presence of Chief Guest Prof. Sridhar Dwivedi. Yoga programme was co-ordinated by Prof. H. Popli and Dr. Shivi Rajvanshi.

Inauguration of Yoga & Fitness Center in DPSRU on 2nd International Yoga Day 21st June 2016 by Shri Anil Goel Ex. MCD Councillor in presence of Founder Vice Chancellor Prof. (Dr.) S. S. Agrawal, Prof. Harvinder Popli (Head of Pharmaceutics) Dr. Shivi Rajvanshi (Coordinator of yoga) and other faculty members. Supported by Indian Renewable Energy Development Agency Limited (IREDA) is a Mini Ratna Government of India Enterprise.

As we know “Health is first foundation of success” on September 2016 in the benefits of students our Vice Chancellor Prof. Ramesh K. Goyal Introduce Yoga in M. Pharma, MBA, MHM & MPH 1st Semester regular curriculam. February 2017 Yoga becomes the part of BPT IInd year curriculum.

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

After demands of students, we started



Community Yoga Session at 04 to 06 pm for All (Students, Faculty, Staff and Public). Now, timetable of Yoga and Fitness Canter is 09 am to 01 pm & 04 pm to 06 pm Monday to Friday.



DPSRU Innovation and Incubation Foundation (DIIF)

Prof. Harvinder Popli

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 has started DPSRU Innovation and Incubation Foundation (DIIF). 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.

India is fourth largest and fastest growing starting ecosystems. India also has the advantage of Demographic dividend. There are talented, highly skilled and innovative youth with good sense of entrepreneurship. All the past governments have spent prodigious amount of funds into education sector through state funded University and schools, as a result of which there are educated and skilled young Indians ready to enter job market and possess energy and potential to come up with wide ranging ideas for business. 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.

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, 7th Floor (704-710)
 2. Cabin built up with computers and internet
 3. Meeting room with Teleconference facility
 4. Open Group discussion facility within Students' common room
- II. Administrative Set up
 1. Research Commercialization Manager

2. IP Expert
3. Supporting Staff

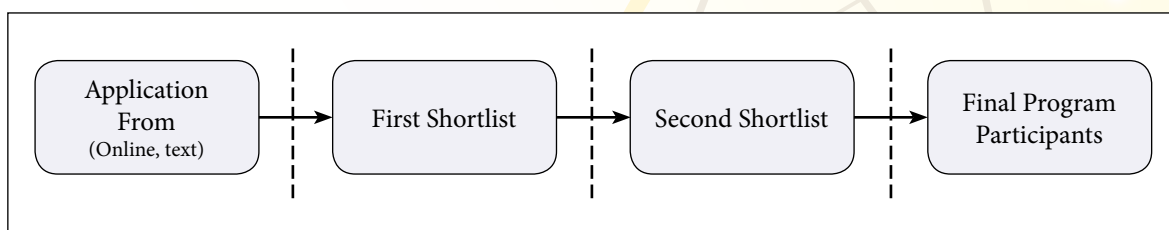
III. Formation of 'AM-10' (Advisors and Mentors)

1. Group of Advisers & Mentors
2. CEOs of Companies (3)
3. Venture capitalists (3)
4. IP Experts (2)
5. Advocate (1)
6. Manager (1)

IV. Motivational Plan

1. **Targeting Right Audience-** Meetings with Faculties & Students
Alumni Meetings
2. **Building a members list-** Create a member subscriber list with a targeted audience. Communicate and engage with the subscribers through regular updates and social media feeds.
3. **Linking with DIPSAR/ DPSRU Brand**
4. **Leveraging internal University events-** Participating in various events and conferences organized within the DPSRU. Adding commercialization and entrepreneurship components to research focused events
5. **Organizing events-** Organizing various events focusing on innovation commercialization and entrepreneurship. Ideation workshops, brainstorming sessions, and more.

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 3 categories. On rare to rare case basis, the students of other institutions may also be considered eligible.

Conclusion

Skill and knowledge are the driving forces of economic growth and social development for any country. India is passing through demographic transition which could be the biggest opportunity. Youth must not be made dependent upon pre-established economic model that suffers from esoteric and peculiar troubles. Startups through DIIF provide economic independence to the youth and make them self-reliant in ever uncertain economic environment.



Academy for Sports Sciences, Research & Management (ASSRM)

Dr. Devinder K. Kansal

Delhi Pharmaceutical Sciences and Research University (DPSRU) has introduced new Degree and Diploma courses in the field of Sports Pharmacy and Sciences with an in take capacity of 240 seats from this academic year 2017-18. This research program could be a game changer and will facilitate sports in a big way in our country. There are only a few Centers in the world that provide education related to sports pharmacy, but as a course in Sports Pharmacy, it is perhaps the first in the world. The admissions will start from June 20 and will be open till July 15, 2017.

Academy for Sports Sciences, Research & Management (ASSRM) under the DPSRU will run a Three Year Degree course (B.Sc. Sports Sciences) which would include subjects like Sports Pharmacy, Sports Physiology, Sports Nutrition and Application of Sports Sciences on Athletes. It would give knowledge to the students about the proper diet and nutrition which is to be followed by different sports persons. In addition, it would give an insight on the banned substances, which would help avoid players being disqualified on grounds of doping charges. It will also run a Two-year Diploma courses in Sports Fitness Management, Sports Infrastructure Management and Sports Event Management.

Vision

To be the ultimate destination for education, training and research in Sports sciences and Sports Management and thereby, cater to the fitness & health needs of the people at large and then for application of sport sciences to sports.

Mission

To equip Intermediate school leavers with operational management tools and skills to ascertain their employability in various field, related to sports.

Objectives of ASSRM

- To create skilled people in the field of sports pharmacy and allied science
- Provide skill training & knowledge so that students gain professional expertise necessary to help athletes & sports organisations, to develop excellence in Sports
- Carry out research in Sports Sciences & Management of Sports
- Help in its own small way create sports culture & develop sports excellence in India

To achieve the above objectives ASSRM will be running the different courses.

The Three Year Degree course will cover Eight Sports Sciences, which are essential for the improvement of sports performance. These 8 Sports Sciences are Sports Pharmacy, Sports Bio-Chemistry, Sports Bio- Mechanics, Sports Nutrition & Dietetics, Sports Physiotherapy, Sports Psychology, Sports Morphology, Sports Physiology.

The courses will equip young students with operational management tools and skills to ascertain their employability in various fields, directly or indirectly related to sports. Government of India has set up a task force to create sports science centres across the country in a span of four Year plan. These sports centres will help all the states to implement sports sciences at various Sports Authority of India (SAI) centres and state sports centres, increasing the potential of Indian athletes. These skilled sports professionals will be able to get employed in DOA sports

Complexes, government managed sports stadia's, Schools and College Sports Talent Identification programmes, Sports Fitness Programmes, Sports specific Coaching Programmes, gain employment in PSUs involved in sports development & promotion, or be self-employed thus encouraging entrepreneurship.

The trained pharmacists will be made aware of which medicines are permitted, restricted and prohibited by the relevant governing bodies in specific sports, and ensure our patients are educated and advised by providing the most up to date information available. In addition to this, pharmacists would be qualified to offer counseling to athletes, their coaches and support staff, as well as parents and even the public when required. Sports pharmacists will be able to also assist athletes should they require assistance or advice on supplements and over-the-counter medicines.

National Sports Policy 2001 in Para 15 states:

“The significance of scientific back-up to sports stands well established. Accordingly, action will be initiated to strengthen this area, in accordance with international standards. Experts would be associated with each sports discipline or groups of sports disciplines, on a continuing basis, to provide the requisite support in terms of nutrition, psychology, medicine, pharmacology, physiology, bio-mechanics and anthropometry as well as other branches of sports sciences. Suitable mechanisms would be introduced to achieve co-ordination between the laboratory and the field, that is, between the coaches and the sports scientists, and particular care taken to ensure nutritional support to talented sports persons and to sustain their mental health and competitive spirit.”

Academic Activities

Dr. Madhu Gupta

National Seminar on Advances in Technology, Regulatory and Clinical Aspects in Controlled Drug Delivery Systems in Association with Controlled Release Society-Indian Chapter

DPSRU organized National Seminar on Advances in Technology, Regulatory and Clinical Aspects in Controlled Drug Delivery Systems in association with Controlled Release Society- Indian Chapter on 15th July, 2016. The theme of the seminar was Affordable Medical Services via Pharmaceutical Research. This seminar was delivered in diverse areas of Medical Sciences, Biopharmaceutics, Pharmaceutical Technology, Drug Regulatory Affairs, Medical Devices as well as Clinical Research. The seminar was inaugurated by Prof. S.S. Agrawal, Seminar President, Vice Chancellor, DPSRU, New Delhi & delivered the inaugural address. Welcome speech was delivered by Prof. Harvinder Popli, Convenor DPSRU & Prof. Vandana Patravale, Co-convenor Institute of Chemical Technology, Mumbai.

The morning Technical Session-I started with the lecture of Prof. N.K. Jain, Professor Emeritus, RGPV Bhopal, who gave insights on "Medical Devices: Present, Past and Future". His interactive lecture was followed by Dr. Jitender N. verma, CEO, Lifecare innovations Private

Limited, Gurgaon. He enlightened us on "Fungisome: An iconic Liposomal Amphotericin B: From bench to Bedside". After that, next lecture was delivered by Prof. Vandana B. Patravale, Institute of Chemical Technology, Mumbai on the topic entitled "Drug Eluting Stents: Cutting Edge Technology for Coronary Intervention". Scientific poster presentation took place in the afternoon session, which were evaluated for best poster by various experts of pharmacy institutions.

The next session was begun with informative and interactive talk on "From genome to Genetic Medicine: Opportunities and Challenges" by Prof. Narinder K. Mehra, AIIMS, New Delhi. The day came to end with Technology showcase by Dr. Vishal Khatvkar, from waters India Pvt. Ltd. Delhi on the topic "Next Level Of Chromatography & Detection Techniques-UPLC-QDA" and Mr. Ansul Saxena, Life Science Sector Skill Development Council, on the topic "Opportunities for skilled candidates in Life Science Sector".

The seminar was also addressed by panel discussion round with other eminent speakers Dr. Nilanjan Saha, Jamia Hamdard University, New Delhi, Ms. Gunjan Verma, Director, Regulatory Affairs and Quality Assurance at Zimmer Biomet, New Delhi Mrs Sumati Randeo, Abbott Pharma Labs, New Delhi, Ms. Bharti Khanna, Director, Yes

Regulatory, New Delhi and Prof. Harvinder Popli, DPSRU. All they shared their views regarding the Regulations in Controlled Drug Delivery, Medical Devices: FDA, EU & INndan Perspectives. The seminar ended with valedictory/award ceremony and vote of thanks from Convenor, Prof. D.P. Pathak Off. Registrar, DPSRU and National Anthem.

This seminar was a successful effort to compile some of the recent findings and highlight some of the major issues related

to mentioned areas in the form of plenary lectures from expert dignitaries in the field of Pharmaceutical industry, R&D and academics from all over India. This gave the platform to young researchers to develop insight into all related issues with thrust on pharmaceutical approaches to controlled drug delivery, Medical Devices, drug regulatory affairs and clinical aspects in controlled drug delivery. All in all, the seminar was a very enlightening and satisfying experience for one and all.



DPSRU-CRS National Seminar

Book Release Ceremony of Pharmacologists of India: Their Contributions

DPSRU organized Book release cum Brainstorming Session on Contributors of Pharmacologists for vision of Pharmaceutical Education on 18th Nov., 2016. This programme was organized in two sessions. First session was being set for release of book: Pharmacologists of India: Their contributions which was authorized by Dr. Prem Chand Dandiya emeritus Professor of Pharmacology at SMS Medical College, Jaipur and co-authored by Dr. S. K. Kulkarni and Dr. G. D. Khilnani. The next session was brainstorming on vision for Pharmaceutical Science University.

Professor Harkishan Singh, emeritus Professor at the Panjab University (Chandigarh) was the chief guest of the programme. Prof. R.K. Goyal, Vice chancellor, Delhi Pharmaceutical Sciences and Research University, Prof. S. S. Agrawal, National Research Professor, DPSRU, Prof. S. K. Gupta, Emeritus Professor, DPSRU, Prof. D. P. Pathak, Registrar of University, Prof. P. C. Dandiya, Emeritus Professor, SMS Medical College Jaipur, Prof. S Dwivedi, Sr. Consultant Cardiologist, National Heart Institute, New Delhi, Prof. S. K. Kulkarni, Emeritus Professor, Prof. G. D. Khilnani inaugurated the programme. Along with it eminent pharmacologists from different areas of the country participated in book release ceremony.



Book Release Ceremony

Indian Pharmacopoeial Commission Visit

A visit to interdisciplinary research institute is one of the key parts of curriculum at DPSRU, during which students visit various renowned institutes and get insight regarding the research environment, as well as useful information related to the practical aspects of the educational course which cannot be visualized in lectures. DPSRU faculty with students visited Indian Pharmacopoeial Commission, Ghaziabad for interaction on 6th Jan 2017. During the visit, students approached to various department and enhanced their knowledge regarding to set standards of drugs, updation of drugs monographs, National formulary, pharmacovigilance and skill development programme, Materiovigilance Programme of India (MvPI) and Haemovigilance Programme of India (HvPI). We also got good opportunity to visit their working labs, where theoretical as well practical information about working of the various sophisticated instruments like NMR, HPLC,

LC/MS, and XRD etc. It was rich experience for the students as a round of question and answer showed that they are very curious with respect to research work. A visit to IPC was very explorative as it gave an understandable view on their various departments, their research activities and opportunities for Pharmacy students. This visit was very fruitful as students aware about various seed subject for research, excel their scientific and technical skill with expansion of knowledge.



IPC Visit

Symposium on Applications of Biotechnology in Pharmaceutical Industry: Need to Develop Innovative Courses



The University organized a Brain storming session for development of Industry ready programmes (Degree and Post graduate courses) to cater the needs of upcoming need of Pharmaceutical Industry especially in the field of Biopharmaceuticals, Biosimilars, Genomic diagnostics and Medical Devices on 20th Jan, 2017. The session was chaired by Prof. V. M. Katoch, former Director General ICMR, New Delhi. Various experts including Dr. Purnima Sharma, Managing Director, Biotech Consortium India Ltd.; Dr. Rajesh Jain, Managing Director, Panacea Biotech Ltd.; Dr. Arun Purohit, Life Sciences consultant & Ranbaxy Ex-Vice President, Global Marketing; Dr. Goutam Ghosh, Vice President & Head, R&D Vaccines & Biological and Technology Management Group, Panacea Biotech Ltd. and Dr. B. P. Panda, Sr. Assistant Professor, Jamia Hamdard University, New Delhi participated in the Brainstorming session. Prof. Ramesh K. Goyal, Vice Chancellor, Delhi Pharmaceutical Sciences and Research University summarized and concluded the session by suggesting that market potential for biopharmaceuticals and biosimilars is huge. The opportunities for pharmaceutical biotechnology and biomedical engineering are not limited to vaccines or some of commonly available medical devices. There is strong need to develop diagnostic kits especially in the field of molecular and genomics including DNA vaccines and monoclonal antibodies. Certain area like plasma therapy, development of indigenous equipments for biotechnology like RIPCR, DNA sequences, DNA Hybridization chamber, Gene gun etc. need to be developed. Thus there is need to have institute for Biomedical Engineering with various courses offered to produce industry ready Pharma Biotech Personnel. It was stressed during the discussion that there is a strong need to cater overall need for Pharmacy Biotech industry rather

than a specialized sector. All the courses need to be developed with strong industry partnership.

Workshop on Innovations in Tailored Smart Nano/Macro Fibrous Materials

A workshop on the most recent topic entitled as Innovation in Tailored Smart Nano/Macro Fibrous Materials on 7th Feb 2017 was organized by Delhi pharmaceutical Science & Research University, DPSRU for training the postgraduate and PhD students. The workshop was inaugurated by auspicious hands of Dr. Sukhwinder K. Bhullar, Assistant Professor, Department of Mechanical Engineering, Bursa Technical University, Bursa, Turkey, University of Victoria, BC, Canada and Prof. R.K. Goyal.

Prof. D.P. Pathak, Officiating Registrar, Prof. Harvinder Popli, coordinator, Dr. Madhu Gupta, Co-coordinator along with faculty staff postgraduate and PhD students were present on this workshop. Prof. R. K. Goyal in his welcome speech elaborated what is research and it's need and also focused on role of Tailored Smart Nano/Macro Fibrous Materials in modern drug delivery systems.

In the morning session, Dr. Sukhwinder K. Bhullar delivered a lecture on significance and importance of Tailored Smart Nano/Macro Fibrous Materials and shared information on tools & techniques for preparation of stents, scaffolds, nanofibers and highlighted the recent advancement of nanostructured particles and scaffolds for the treatment of cancer bone metastasis, osteosarcoma, bone infections and inflammatory diseases, osteoarthritis, as well as for bone regeneration. Her interactive lecture was followed by Technology showcase about the development of smart materials and structures for biomedical applications; smart nano/micro fibrous biomedical structures with shape memory, smart wound dressings, stents, scaffolds, PU

foams and compression bandages. She explained the principles and working of the instruments and its application and taught the basic operation of the machine.

In the afternoon session, Dr. Bhullar presented her talk on the very interesting topic "Idea to Research and Market: International opportunities for Research" In her talk, she had taken review on various international grant-in-aids and fellowships and how to opt research funding from various research agencies for execution of research project. About 100 delegates from academia, researcher, Ph.D. Scholars, PG Students were participated in the workshop. During One Day workshop combination of presentations and activity-based learning sessions organized in order to help the participants to improve the drug delivery technology especially in biomedical and tissue engineering field.



Workshop on Innovations in Tailored Smart Nano/Macro Fibrous Materials

5th National Conference on Pharmacoconomics and Outcomes Research with International Society for Pharmacoconomics and Outcomes Research, ISPOR India Chapter

Delhi Pharmaceutical Sciences and Research University had organized Fifth National Conference of Pharmacoconomics and Outcomes Research with International Society for Pharmacoconomics and Outcomes research, ISPOR India Chapter on 3rd - 4th March, 2017. The Conference was

inaugurated on at the hands of Prof. R. K. Goyal , Prof. S.K. Gupta and Prof. S.S. Agrawal, along with Dr. G.N. Singh, DCGI India and Prof. J. S. Bapna.

The aim of conference was to provide an environment for knowledge sharing among researchers, healthcare practitioners and decision-makers interested in pharmacoconomics and outcomes research. The eminent personalities delivered expert talks on various aspects of pharmacoconomics and outcomes of research, pharmacovigilance: ensuring patients safety, investigator academic clinical trial, and clinical trials and bioethics. At the beginning, Prof R.K. Goyal welcomed the guests and gave introductory speech. He said through this type of conference, students will be able to get Current knowledge on Pharmacoconomics and Outcomes Research which will benefits them in future working in this field. In this two day workshop, there are 5- plenary sessions.

In the first day, the plenary session I and Plenary session II theme were based on Pharmacoconomics and Outcomes Research. The chairpersons for plenary session I were Dr. Ramesh Goyal, Sanjeev Saxena and Kunal Srivastava, while in plenary session II the chairperson were Dr. JS Bapna, Ashish Goel and Prof. D.P. Pathak.

The last day, the plenary session III carried the theme on Workshop on Clinical Trials and Bioethics and chairpersons were Dr. Shridhar Dwivedi, SC Tiwari and Prof. S.K. Gupta. Investigator Initiated Academic Clinical Trials was the topic for plenary session IV in which Dr. Arun D. Bhatt, Pikee Saxena, Anupam Prakash and Rohit Saxena were the chairpersons. The last plenary session was based on Pharmacovigilance : Ensuring patients Safety and the chairpersons were Dr. S.K. Gupta, Dr. Manoj Sharma and Dr. Nilanjan Saha.

Resource persons including Mahendra Kumar Rai (Group leader and SME-HEOR & Real world evidence, Tata Consultancy Services), Divya Gaba (Consultant, Real World insights, Global Delivery centre, Quintiles IMS, Gurgaon), Ashish Goel (Director, Real World Insights, Global Delivery Centre, Quintiles IMS, Gurgaon), Arun D. Bhatt (Consultant, Clinical Research and Development), Nitesh Garg (Senior Consultant, Real-World Insights, Global Delivery Centre, Quintiles IMS), Mou Chatterjee (Senior Manager, Real-World Insights, Global Delivery Centre, Quintiles IMS), Richa Goyal (Senior Manager, Real-World Insights, Global Delivery Centre, Quintiles IMS), Anuj Sharma (Tata Consultancy Services), Puneet Kumar (Manager, Kinpase-Advisory, HEOR), Mandeep Kaur (Senior Analyst, Kinpase-Advisory, HEOR), Karuna Arora (Senior Medical Writer, Development operations, Kinpase), Manish Sharma (Manager, Development Operations, Kinpase), Abhinav Wadhwa (Consultant, Kinpase-Advisory, HEOR), Satabdi Chatterjee (HEOR Manager, Novartis), Denny John

(Evidence synthesis Specialist, Campbell Collaboration), J Vijay Venkatraman (Managing Director and CEO, Oviya Med Safe Pvt., Pharmacovigilance Consulting and Services, Coimbatore, India), Anupam Prakash (Professor of Medicine, Lady Hardinge Medical College & Asso. Hospitals, New Delhi), Pikee Saxena (Professor of Obstetrics and Gynecology, Lady Hardinge Medical College and SSK Hospital, New Delhi) and Rohit Saxena (Professor of Ophthalmology, Dr. Rajendra Prasad Centre for Ophthalmic Sciences, AIIMS, New Delhi) participated in the conference.

Moving towards the valedictory, Prof. S.K. Gupta gave the certificates to the participants and took this opportunity to once again express their appreciation to the participants for their inquisitiveness and curiosity. Prof. Gupta also articulated his positive reception towards the organizing team for all assistance rendered. About 100 delegates from academia, researcher, Ph.D. Scholars, PG Students were participated in the conference.



5th National Conference on Pharmaco-economics

Guest Lectures Organized at DPSRU

DPSRU had organized series of invited guest lecture for graduate, post graduate and doctoral students as well as faculties to motivate, aspire and conceptually build their ideas, facing challenges, technological advancements, multidisciplinary approach. The various internationally/nationally renowned scientist/experts/academician delivered their lecture on various aspects. All the guest lectures were initiated by Dr. Madhu Gupta, and act as co-ordinator.

Dr. Gowraganahalli Jagadeesh (Senior Expert Pharmacologist, Division of Cardiovascular and Renal Products Center for Drug Evaluation and Research Office of New Drugs, US Food and Drug Administration Silver Spring, MD 20993, USA) delivered his talk on 'Fundamentals in research process and cornerstone of a research project and the never ending story of Angiotensin II' on 19th Oct., 2016. He interacted about the various critical steps required for successful research and to implement them in the successful writing of the research proposal and scientific writing. Post lunch, the next lecture focused on the specific property of Angiotensin II which can be successfully explored for targeting the renin-angiotensin-aldosterone system in the treatment of hypertension and other cardiovascular diseases.

Dr. Kunal Bose, country manager from PSS INC, USA, delivered his expert talk on Particle sizing system on dated 7th Nov. 2016. He basically targeted the audience on the various practical concepts of particles sizing along with instrumental approach, applicability, data collection, variation and analyzing.

Dr. Helen Collins (Vice Dean for Postgraduate Study, Faculty of Life Science & Medicine, King College London)

delivered her talk on the topic entitled Immunity to Mycobacterium tuberculosis on 16th Nov., 2016.

Mr. Manas Ranjan, MD, Cognitrex, India, delivered a talk on regarding the 'Career prospects in health care and how to face the Interviews in Pharma Industry' on 20th Dec., 2016. He spoke on the essential skills which are required for obtaining a job in the Pharma industry and the vast opportunities open to pharmacy graduates.

Dr. Vinay Parikh, Associate Professor, Temple University, Philadelphia, clarified various Emerging Insights into the Cellular and Behavioral Substrates of Nicotine Dependence and focused on the role of nicotinic receptor subtypes in nicotine reinforcement and dependence on 5th Jan., 2017. Both nAChR-based and non-nAChR-based smoking-cessation strategies are under various stages of development. Although several of these strategies need to be clinically validated there is much ground for hope that the next generation of smoking-cessation agents will provide better medications than those currently available.

Dr. Amit Khairnar, presently associated with Masaryk University Brno as Research Associate. His remarkable talk focused on Diffusion kurtosis imaging and its implications in early diagnosis of Parkinson's disease on 5th Jan., 2017.

Dr. Ashok Kumar (Providence University Rhode, Island, USA) delivered the plenary lecture on the topic 'Role of compound C21 on pulmonary hypertension and pulmonary Fibrosis' and concluded that it is a novel therapeutic target in the management of pulmonary hypertension and pulmonary Fibrosis and C21 may serve as a lead beneficial compound on 5th Jan., 2017.

Dr. Naranjan S Dhalla (Distinguished

Professor, University of Manitoba, Canada) interacted with students and faculty and give his vision about the research scenario of India and Canada on 28th Jan., 2017.

Dr. Sukhwinder K. Bhullar is an Assistant Professor, Department of Mechanical Engineering, Bursa Technical University, Bursa, Turkey, University of Victoria, BC, Canada, Provided valuable insight to Smart Stents as drug delivery system on 6th Feb., 2016.

The most recent guest lecture was delivered by Dr. U. K. Tiwari, Product Development Manager, R&D Division, Organics India Pvt. Ltd, delivered a lecture on the topic entitled “Herbal Medicine in Today’s Context” on 30th March 2017, Prof. R.K. Goyal, Vice Chancellor, DPSRU welcomed the gathering. He

enunciated that standardization of drug means confirmation of its identity and determination of its quality and purity and detection of nature of adulterant by various parameters like morphological, physical, chemical and biological observations. He also discussed that current herbal industry faced major problems such as proper identification of drug, adulteration and their availability. Actual availability of drug & finished products which are available in market; proportion of this is a big question mark. Dr. S.S. Agrawal (Founder VC of DPSRU), Prof. D. P. Pathak (Director, DIPSAR), Prof. S.K. Sharma, Prof. Harvinder Popli and other faculty members graced the programme and shared their views and experiencing in herbal drug standardization, formulation, etc. Students of PG and PhD of the institution attended the programme.





Guest Lectures Organized at DPSRU

Teaching and Learning Process

Teaching and Learning Process holds key value for DPSRU. We at DPSRU use a combination of conventional and modern teaching tools to provide the best possible learning environment. In the University faculty uses lectures, seminars, presentations, tutorials and practical classes. Innovative teaching methods include computer assisted learning and experimentation. All our teachers are also friendly and approachable. Our staff members are engaged in quality education and research and help to improve the learning experience of students. We provide a structured learning environment to students. We aim to make the students confident, self-reliant and independent in professional life.

Workshop on Innovations and Entrepreneurship

A one-day workshop on Innovations and Entrepreneurship, Theme: Training the Next Generation of Successful Entrepreneurs was organized by Delhi Pharmaceutical Sciences and Research

University (DPSRU) from 27th April 2017. Around 150 participants – comprising; Pharmacy, Science & Technology were participated in this workshop.

It includes talk and discussions by eminent experts. The inaugural function starts immediately after registration. Presidential address was given by Prof. Ramesh Goyal, Vice Chancellor, DPSRU. He explained the basic facts and correlation of innovations and entrepreneurship. After that, Prof. Harvinder Popli (Nodal Officer & Coordinator) talked on “Innovation and Entrepreneurship”. She explained the vision & mission of workshop that how we can nurture research commercialization talents in students through innovative start ups converted into global pharma giants.

The first speaker was Dr. Sanjeeva Shivesh (Director, The Entrepreneurship School, Gurugram, India). He talked about the Entrepreneur, Start , Run and Grow your Business and how it helps participants to understand the process, challenges, risks and rewards of starting up a new scalable venture. Shri Arun Mudgal (CEO, Wharf Consulting LLP, New Delhi, India) spoke on Dreams to Realization. He explained the various steps

that are essential for execution of a plan and to become a successful entrepreneur. The technical session was ended up with discussion and wrap up. During one Day workshop, it provide the tools required

to start their own business and improve their chances of successfully starting their own business. The workshop ended with a vote of thanks and National Anthem.



Workshop on Innovations and Entrepreneurship



Collaborations and MoU Signed

Dr. J. Saminathan

IREDA Joining Hands to Provide Quality Training in the Field of Yoga



Memorandum of Understanding (MoU) with Indian Renewable Energy Development Agency Limited (IREDA) on 2 March, 2017 at Delhi. The MoU is signed between Mr. K.S. Popli, Director, IREDA to intensify the effort in creating the health, safety & security of such person or entities and their property through routine theoretical Classes & Advanced practical training of Yoga. The programme will benefit the student community, women's and unemployed aspirants and will thrive to fill jobs in this enticing field. Indian Renewable Energy Development Agency Limited (IREDA) is a Mini Ratna (Category - I) Government of India Enterprise under the administrative

control of Ministry of New and Renewable Energy (MNRE). This MoU, Collaboration & Joint Certification will provide the students and unemployed youth a viable career building opportunity in the field of yoga and health, henceforth fulfilling the Vision of IREDA & simultaneously. Under this collaboration, IREDA would be providing equipment such as Smart Podium (including AV and projectors), PVC yoga mats, Dumbbells and Cross-Trainers. The above support will be provided under IREDA's CSR initiative, with the overall sanctioned budget of Rs. 7.68 Lacs. The course of implementing the project and for the health, safety & security of such person or entities and their property.

MoU Signed with Indian Pharmacopoeia Commission (IPC)



Prof R K Goyal, Vice-Chancellor, Delhi Pharmaceutical Sciences and Research University (DPSRU) and Dr G N Singh, Secretary-cum-Scientific Director, Indian Pharmacopoeia Commission (IPC) with additional charge of Drugs Controller General (India) signed the Memorandum of Understanding on 3rd March 2017 during the Opening Ceremony of Fifth National Conference of Pharmacoconomics and Outcomes Research organized by the President - ISPOR India Chapter at DPSRU, New Delhi. Eminent personalities such as Prof S K Gupta, Prof JS Bapna, faculty

of both the above parties and other dignitaries were present during the occasion. The MoU is expected to promote the cooperation between both the parties for achieving the common goal of improving the quality, safety and efficacy of medical products, skill development programs including Seminars, trainings, workshops and by encouraging bilateral staff visits to facilitate mutual knowledge exchange between IPC and DPSRU. The Memorandum of Understanding is signed initially for three years after which it will be further extended with mutual consent.

MoU with Sports Infrastructure and Talent Development Society (SITDS)



A Memorandum of Understanding was signed between Delhi Pharmaceutical Sciences and Research University (DPSRU) and Sports Infrastructure and

Talent Development Society (SITDS) in the presence of ShekharDutt, former governor of Chhattisgarh on 2.3.2017 for partnership to run various sports skill

development courses through Centre Of Sports Sciences, Management & Research to (CSSMR) expand the skilling activities through youth empowerment. The MoU was signed to achieve a common understanding to jointly collaborate to further the skilling activities in the youth empowerment, and achieve the targets and objectives of India to initiate, undertake, sponsor, stimulate and encourage research projects related to various sports sciences for upgradation of sports, sports persons and coaches. Also, establish, run, manage and administer the institutions to produce high caliber coaches, sports scientists and physical education teachers. The MoU was signed by Shri R.P.Bagai, Chairman

of SITDS, is focusing on to improve sports infrastructure & support to deserving sports talent for a sustainable period of time and entrepreneurship development by undertaking the training, research and consultancy activities. Through this MOU, SITDS and DPSRU will work jointly to plan and partner to achieve the targets and objectives under Ministry of Youth Affairs & Sports (MYAS) keeping the special interests of the sports development in youth by conducting various courses related to the sports Implement schemes/ programmes for achieving excellence in sports in different disciplines at international level in order to establish India as a major sporting power.

Expanding Horizons of Indo-Russian Collaborations in Pharmaceutical and Medical Research



Interactive Discussion start up with Stavropol State Medical University (StSMU), Stavropol, Russian Federation and International Centre for Medical Education and Research (ICMER) on Friday, 17th February 2017. Prof. Dr. Koshel Vladimir Ivanovich, Rector, StSMU, Dr. Ameer Jahan, Russia Advisor, ICMER, Dr. A. Najeerul Ameen, President, ICMER, Dr. DP. Pathak, discussed about the Exchange of Information by Conducting Joint Research Projects, Teaching, Learning Materials and other Literature Relevant to their Educational, Scientific and Research Programmes. Also Jointly Organizing

of Seminars, Conferences, Workshops and Short-term/ Long-term Continuing Education Programmes on topics of mutual interest, while extending invitations to each other's faculty to participate therein Exchange on a reciprocal basis of students at Undergraduate, Postgraduate and Doctoral levels for limited periods of time for purposes of education and/ or research. Competency based Teaching through formal, Structured Practice motivated by Coaching, Simulation, Knowledge, Skill and Practice conducting online medical Pharmaceutical Programmes. Deputation of our Professors

and Exchange of Faculties among DPSRU and ICMER Joint Scholarly Publications and Research. Social, Cultural, Health and Family Welfare Programmes. Entering into tie-ups with the local Medical/ Pharmaceutical Institutions, Health Care Providers and Laboratories, Leading

Scanning Centres for imparting necessary skills and Training for the Postgraduate and Doctoral Medical and Pharmaceutical Students. Preparing Effective Curricular Activities to meet the International Standards in accordance with the syllabus of the Universities.

Research Startup Discussion with Stavropol State Medical University (STSMU), Russia



Prof. Igor Basikov, HOD, Dept of Microbiology, Director of Nanotechnology & Pharmaceutical Research, Stavropol State Medical University and Prof. Alexander Dolgalev & Dr. A. Najeerul

Ameen, President, ICMER visited our University for the research discussion about the metabolism of silicon-organic niosomes in the treatment of some diseases.

Signing MoU with PSS Particle Sizing System



Signing MoU of DPSRU with PSS (particle sizing system), Florida shall jointly collaborate to set up of PSS-DPSRU lab was done on 22nd May, 2017. The PSS will provide two equipments for nano sized particle analysis to DPSRU. MoU was signed by Prof. Ramesh K. Goyal from DPSRU and Dr. Kunal Boss from PSS.

DPSRU will also promote the facility in all its activities including short courses, industry workshops etc. and equally encourage PSS to initiate, organize and participate in such events. DPSRU will have access to the equipment for its research activities.

Quality Improvement Programme

Mrs. S. Latha

XX Quality Improvement Programme at DIPSAR (5th Dec 2016 to 9th Dec 2016)

The XX AICTE sponsored Quality Improvement Program titled 'Recent Advances in Pharmaceutical Sciences' was successfully conducted at Delhi Institute of Pharmaceutical Sciences and Research, from 5th Dec. 2016 to 9th Dec. 2016 under the patronage of Prof. R.K. Goyal, V.C.DPSRU and Prof. D.P. Pathak, DIRECTOR, DIPSAR. The programme was jointly coordinated by Mrs. Manju Vyas & Mr. PN Raju. Thirty six delegates participated from different parts of India. The programme was inaugurated by Prof. V.K. Kapoor, Prof. (Adjunct), Director (Research) at G.H.G. Khalsa College of Pharmacy, Gurusar Sadhar, Ludhiana.

Thirteen renowned speakers from all over India were invited to share their knowledge with participating teachers. Wide range of topics were covered like role of plants in drug developments, vaccine development using polymeric delivery systems, drug discovery from natural product : recent developments, Journey of getting lead compound for the treatment of cardiomyopathy from herbal sources, writing of a research article & plagiarism and so on. Demonstrations were arranged for ATR HPLC, ECG, coulter counter and super critical fluid extractor. A visit to Jamia Hamdard was arranged

for demonstrations of GC-MS, HPTLC and flash chromatography.

The program was successfully concluded on 9th Dec. 2016 with Dr. Ajay Kumar Singh, Outstanding Scientist (OS)/ Scientist 'H' presently holding the charge of Director, Institute of Nuclear Medicine and Allied Sciences (INMAS), Brig. S.K. Mazumdar Marg, Delhi-110054 as chief guest.

XXI Quality Improvement Programme at DIPSAR (30th Jan to 10th Feb 2017)

The XXI AICTE sponsored Quality Improvement Program titled "Trends in Pharmaceutical Sciences" was successfully conducted at Delhi Institute of Pharmaceutical Sciences and Research, 30th Jan to 10th Feb 2017 under the patronage of Prof. R.K. Goyal, VC DPSRU and Prof. D.P. Pathak, DIRECTOR, DIPSAR. The programme was jointly coordinated by Dr. Rajani Mathur and Mrs. S. Latha. Twenty six delegates participated from different parts of India. The programme was inaugurated by Prof. (Dr.) G.N. Qazi Director General, HIMSR, Jamia Hamdard, New Delhi and Prof. R.K. Sharma, Director, CSIR-central food technological research institute, Mysore.

Thirty Three renowned speakers from all over India were invited to share their knowledge with participating teachers.

Wide range of topics was covered like pharmacovigilance, Spectroscopy, Digital Marketing, Ayurvedic Pharmacology, Alternative to animals in teaching and research, Recent Advance in Management of DM and Hyperlipidemia writing of a research article & plagiarism, Biostatistics, Intellectual Property Rights and so on. Demonstrations were arranged on LC-MS/MS, Real Time-PCR, HPLC, Electrophoresis/western blot and Ocular Pharmacology Experimental Techniques at Dr. R.P. Centre for Ophthalmic Science, AIIMS on 31st Jan 2017. A visit to CSIR-Institute of Genomics and Integrative Biology was arranged for lectures on Ayurgenomics and demonstrations of scanning electron microscope (SEM), Confocal microscopy, Next-generation sequencing (NGS), zebrafish experiments, Flow Cytometry on 3rd Feb 2017 another visit to Biomedical Informatics centre (BMIC), National Institute of Pathology (ICMR), New Delhi arranged on 9th Feb 2017 to demonstrate the biological database resources & Sequence homology search tool, Visualization of Bimolecular Structures, Protein Structure Modeling and validation and Structure based virtual screening.

The program was successfully concluded on 10th Feb 2017 with Dr K.D. Tripathi, Former Director-Professor, MAMC, New Delhi as chief guest.

XXII Quality Improvement Programme at DIPSAR (13th Feb to 17th Feb 2017)

The XXII AICTE sponsored Quality Improvement Program titled 'Current Scenario in Pharmaceutical Sciences' was successfully conducted at Delhi Institute of Pharmaceutical Sciences and Research, from 13-17 Feb 2017 under the patronage of Prof RK Goyal and Prof DP Pathak. The program was coordinated jointly by Prof Sharad Wakode, Mrs

Amrita Parle and Dr RB Bodla of DIPSAR. Forty two delegates participated in the program from Maharashtra, Uttar Pradesh, West Bengal, Gujrat, Delhi and Haryana. Prof Shahid Ansari, I/C vice chancellor, Hamdard University, Delhi, inaugurated the program on 13th Feb and Dr Shivaji Bhandarkar, Deputy director, DTTE graced the occasion. Twenty four renowned speakers from all over India were invited to disseminate their knowledge to the participating young teachers. Wide range of topics were covered like DST schemes for teachers, Scintigraphy, anticancer drug discovery, computer aided drug design, molecular docking, HPTLC, GCMS, rock chemistry, Pollution chemistry, nanoparticle technology and so on. Demonstrations were arranged of FTIR, microwave synthesizer and super critical fluid extractor. The delegates were pleased to visit the Indian Pharmacopial commission (IPC), Ghaziabad to see the modern analytical instruments used in IPC laboratories. Information was given to them about pharmacovigilance activities at IPC.

The program was successfully concluded on 17th Feb with Dr. Suresh Tyagi, Professor, University of Louisville as chief guest and Dr KK Agarwal, Ex-Dean, MAMC, Delhi, as guest of honour. The delegates happily returned to their institutes with updated knowledge and certificate.

XXIII Quality Improvement Programme at DIPSAR (27th Feb to 10th March 2017)

The XXIII AICTE sponsored Quality Improvement Program titled 'Update on Trends in Pharmaceutical Sciences' was successfully conducted at Delhi Institute of Pharmaceutical Sciences and Research, 27th Feb to 10th March 2017 under the patronage of Prof. R.K. Goyal, V.C. DPSRU and Prof. D.P. Pathak, DIRECTOR, DIPSAR. The programme was coordinated jointly

by Prof. P.K. Sahoo, Sh. Bhagchand and Dr. Meenakshi K. Chauhan. Thirty One delegates participated from different parts of India. The programme was inaugurated by Prof. (Dr.) S.S. Handa Former Director UIPS Panjab University Chandigarh, and, Dr. A V Chainulu Ex-Director- DSIR Department of Scientific & Industrial Research Ministry of Science & Technology, Govt. of India.

Thirtytwo renowned speakers from all over India were invited to share their knowledge with participating teachers. Wide range of topics was covered like Targeted Drug Discovery, Excipients Selection, Cosmetics Science, Lipid Nanocarriers, Material Management, Scintographic Techniques, nano potentiation, Pharma Management,

Product Safety, Nano Medicines, Patient Safety, Medications Error, Pulmonary Drug Targeting, Biodegradable Polymers, Nutraceuticals, Govt. Schemes for promotion of research, Bioavailability enhancing and so on. Demonstrations were arranged on NMR, HPLC GC, Super Critical Fluid Extractor, Lyophilizer, formulation of magnetic nanoparticles at Nanotech Lab, Jamia Hamdard New Delhi on 2nd March 2017 and LC-MS/MS, Real Time-PCR, HPLC, UFLC and GC-MS at National Dope Testing Lab, Lodhi Road, New Delhi on 3rd March 2017.

The program was successfully concluded on 10th March 2017 with Dr. Arun Nanda, MDU Rohtak, Haryana as chief guest.



XX QIP: December 5th to 9th, 2016



XXI QIP: January 30th to February 10th, 2017



XXII QIP: February 13th to 17th, 2017



XXIII QIP: February 27th to March 10th, 2017

Placement Cell

Dr. Geeta Aggarwal

Delhi Pharmaceutical Sciences and Research University has active placement cell with the aim to provide good employment opportunities, including self-employment, to the Pharmacy students, commensurate with their specialization & calibre and to place maximum students in reputed Pharmaceutical companies. To achieve this aim, the University has a continuous interaction with industries to have an idea of what the industries expect from our students.

Over the years, our students have left lasting impressions on recruiters by showcasing their extraordinary skills in the industry. Therefore, our recruiters in progress reinforced their immense faith in DPSRU by offering students a plethora of coveted roles and niche profiles.

This year, the University is closer to 100% placements in leading National and Multinational Pharmaceutical companies and academic institutes of repute at all levels i.e. undergraduate, postgraduate (all specializations), Ph.D. and diploma level. The eligible and interested students are placed in Multinational and National Pharmaceutical companies through campus interviews even before the completion of their respective degrees.

During 2016-17, 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 Novartis, Quintiles IMS, Value edge, Sunpharma, Cognitrex, Mankind, Abbott Healthcare, Fortis Healthworld, Consortium, BresMed, Turacoz, Roots analysis, Bioclinica, IDS infotech *etc.* participated in the recruitment process of our students and offered package in the range of Rs.3.0 to 6.5 Lacs. Two of our students have started their own venture (online educational portal with the name of Pharmamantra.com) for Pharmaceutical and allied Health Sciences

In addition, the placement cell of University coordinates the activities like arranging Job training, industrial visits and career guidance lectures to students. The University is going to be 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.



PLACEMENTS 2016-17

S. No.	Name of students	Specialization	Job profile
Value-edge			
1	Yashu Malhotra	Quality Assurance	Trainee analyst
2	Vikrant Anjna	Clinical Research	
3	Taniya Ganeriwala	Pharmaceutics	
4	Keshav Anand	Pharm. Chemistry	
5	Vandana	Pharmacology	
Quintiles IMS			
6	Mohit Hans	Clinical Research	Analyst
7	Swarnali	Quality Assurance	
8	Ashish Sharma	Clinical Research	
9	Anil Kumar Meena	Clinical Research	
10	Samiksha Sharma	Pharmaceutics	
11	Juhi Jain	Pharm. Management	
12	Ritu Solanki	Pharm. Management	
13	Rohin Setty	Drug Regulatory Affairs	Analyst Interns
14	Jahangir Nabi	Pharmacology	
15	Mahar Ameena	Clinical Research	
16	Nikhil Vershney	Pharm. Management	
Cognitrex Consultants Pvt. Ltd			
17	Nishika Hessa	B. Pharm	Research Analyst/ Business Analyst
18	Abhishek Gupta	B. Pharm.	
19	Vandna Yadav	B. Pharm.	
20	Anshu Sharma	B. Pharm.	
21	Anu Chhetry	B. Pharm.	
22	Arpita Verma	Pharmaceutics	Team Lead -Project Delivery and Event Management
Novartis			
23	Jyoti Bansal	Pharmaceutics	PAS – SED Associate Analyst
24	Tanvi Rajput	Pharmaceutics	
BresMed			
25	Arpita Verma	Pharmaceutics	Graduate Research Associate
Consortium HR Solutions			
26	Tanya Kumar	Pharm. Chemistry	Analyst
27	Archana Gupta	Drug Regulatory affairs	

Integral Biosciences Pvt. Ltd.			
28	Sakshi Sharma	Quality Assurance	Trainee
EaishMan Pharma Private Limited			
29	Nishant Sharma	Pharmacology	Clinical Research
Sunpharma			
30	Harish Singh	Pharm. Chemistry	R &D Analytical development
31	Arpita	Pharmaceutics	SPQT
INS Research			
32	Richa Rajoria	Hospital Pharmacy	Research Associate
Abbott Healthcare			
33	Bhumika	Pharmaceutics	Production
34	Abhilasha	Pharmaceutics	Production
35	Mahar Ameena	Clinical Research	Production
36	Anurag	B. Pharm.	Nutrition Business
37	Saloni	B. Pharm.	Nutrition Business
Eris Life sciences			
38	Manoj Aggarwal	B. Pharm.	Sales
39	Anjali Rani	B. Pharm.	
40	Narendra Kumar	B. Pharm.	
41	Manasi Dahalia	B. Pharm.	
42	Vipin	B. Pharm.	
43	Karan Kumar	B. Pharm.	
44	Aashish	B. Pharm.	
Fortis Healthworld			
45	Chirag Verma	D. Phfarm.	Pharmacist
46	Himanshu Arora	D. Phfarm.	
47	Rahul	D. Phfarm.	
48	Virendar kumar	D. Phfarm.	
49	Mukesh	D. Phfarm.	
50	Gaurav Singh Negi	D. Phfarm.	
51	Neha Prajapat	D. Phfarm.	
52	Mamta Siroula	D. Phfarm.	
53	Sakshi	D. Phfarm.	
54	Babbu	D. Phfarm.	
55	Harish	D. Phfarm.	
56	Gaurav Chauhan	D. Phfarm.	
57	Ali Hasan	D. Phfarm.	
Turacoz Healthcare Solutions Pvt. Ltd			
58	Anubhav Mehra	Drug Regulatory Affairs	Medical writer
59	Rashi Patel	Drug Regulatory Affairs	
60	Bhumika Kumar	Pharmaceutics	
Pharmamantra.com			
61	Nitesh	Pharm. Management	Own venture
62	Rajan Upadhyay	Pharm. Management	
DRG			
63	Tanya Kumar	M.Pharm	Research Associate
64	Rashi Patel	M.Pharm	



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Students Section

Mr. Satish Manchanda

Academic Toppers 2016-17

Ms. Aarzo Thakur student of B.Pharm 4th year (DIPSAR) scored **First Rank in GPAT 2017** conducted on 28th January, 2017, wherein 30748 students all India appeared.



Aarzo Thakur (B.Pharm 4th Year)

B. Pharm



Neha Tyagi (B.Pharm 4th Year DIPSAR)



Ashi Siddiqui (B.Pharm 2nd Year DPSRU)

B. Physiotherapy



Neha Mawari (BPT 2nd Year DPSRU)

D. Pharmacy



Mr. Ashish Miglani (D.Pharm 2nd Year)

M. Pharm (Pharmacology)



Vandana (M.Pharm 2nd Year DIPSAR)



Md. Najibullah (M.Pharm 2nd Year DPSRU)

M. Pharm (Pharmaceutics)



Tanvi Rajput (M.Pharm 2nd Year DIPSAR)



Bhumika Kumar (M.Pharm 2nd Year DPSRU)

M. Pharm (Pharmaceutical Chemistry)



Keshav Anand (M.Pharm 2nd Year DIPSAR)



Ruchi Ropper (M.Pharm 2nd Year DPSRU)

M. Pharm (Hospital Pharmacy)



Richa Rajora (M.Pharm 2nd Year DIPSAR)

M. Pharm (Pharmaceutical Management)



Priyanka Udinia (M.Pharm 2nd Year DIPSAR)

M. Pharm (Quality Assurance)



Swarnali Goswami (M.Pharm 2nd Year DIPSAR)



Deepika Sondh (M.Pharm 2nd Year DPSRU)

M. Pharm (Clinical Research)



Vikrant Anjana (M.Pharm 2nd Year DIPSAR)



Amit Bansal (M.Pharm 2nd Year DPSRU)

M. Pharm (Herbal Drug Technology)



Neel Ratnam (M.Pharm 2nd Year DIPSAR)

M. Pharm (Drug Regulatory Affairs)



Rashi Patel (M.Pharm 2nd Year DPSRU)

Student Union (2016-17)

Mr. Deepak Tayal - President

Mr. Aman Dahiya - Vice-President

Mr. Nitin Nagpal - General Secretary

Mr. Umesh Yadav - Sports Secretary

Mr. Mohit - Cultural Secretary

Ms. Aishwarya - Girl's Representative



Prof. R.K. Goyal, Prof. D. P. Pathak and Mr. Prashant Raghav with Student Union (2016-17)



Sheena Sharma, Aarzoo Thakur, Ummu Habeeba and Shweta Rawat have got Second Prize in 68th IPC-IPA National Pharma Quiz held at Andhra University, Vishakhapatnam

Extra Curricular Activities/ Events Organised

Dr. Rajiv Kumar Tonk

Professional Activities

International Yoga Day Celebration (21st June 2017)

Delhi Pharmaceutical Sciences & Research University inaugurated 'Yoga and Fitness

Centre' with the support of Indian Renewable Energy Development Agency Ltd. (IREDA) on 2nd International Yoga Day, 21st June 2016. Since then regular yoga sessions have been held and the students, faculty and staff have participated in the sessions with great enthusiasm.



Inauguration of Yoga and Fitness Centre

On 21st June 2017, Delhi Pharmaceutical Sciences & Research University celebrated 3rd International Yoga Day in the presence of our Honorable Vice Chancellor Prof. R.K Goyal, Officiating Registrar Prof. D.P Pathak, Distinguished Professor Prof. S.K Gupta, staff and faculty members of DIPSAR and DPSRU. Prof. S Dwivedi, Senior

Cardiologist, National Heart Institute was the Guest of Honor. Dr. Govind Sharma, Assistant Professor, Assam University was invited as Chief Guest. The event was completed with a special yoga and meditation session conducted by Yoga Acharya Chandra Prakash Ray.



International Yoga Day, 21st June 2017

Blood Donation Camp (24th October 2016)

A blood donation camp was organised by the Delhi Pharmaceutical Science and Research University (DPSRU) inside the campus in collaboration with the Indian Red Cross Society, Red Cross Blood Bank, New Delhi, India on October 24th Oct. 2016.

More than 75 volunteers from among the students, faculty and staff members participated voluntarily in the camp. The camp helped the ISB community in gaining awareness about thalassemia. This event was held with gracious presence of Prof. Ramesh K. Goyal Vice Chancellor, DPSRU and Prof. D.P.Pathak Director, DIPSAR.



Blood Donation Camp

Jan-Aushdhi Programme (25th February 2017)

DPSRU conducted a workshop on "Pradhan Mantri Jan Aushdhi Pariyojna" on Feb. 25th

2017, initiated by Bureau of Pharma, PSU of India under the aegis of Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers Government of India, with collaboration of Pratishta, NGO. Various

common people along with NGO running people from different region participated and gathered the various information regarding the opening of **Jan Aushidhi** store, set up to provide generic drugs,

which are available at lesser prices but are equivalent in quality and efficacy as expensive branded drugs, price listing of drugs, regulations as well as government policies.



First Aid Drive (10th March 2017)

The Community Society of B. Pharm. students of DPSRU organised a first aid drive, first of its kind, under the theme "*Pharmacist Care for You Initiative*" on 10th March 2017. It was conducted in the Kushi Rainbow Home, Okhla, New Delhi. The aim of the drive was to spread awareness about the first Aid and to educate the dependent girls about how to administer the first aid to prevent worsening of the condition and to promote recovery. The first aid kits containing bandage, cotton, hand wash, antiseptic, ointment, Paracetamol tablets,

ORS and gauge were distributed during the campaign.

Prof. D. P. Pathak, Registrar gave his honourable presence as chief guest and inaugurated the drive. Dr. Harvinder Popli, Dr. Rajiv Tonk, Dr. Mahaveer, Dr. J. Saminathan, Dr. Richa and other faculty with their guidance and support helped in this student's endeavour of spreading awareness. The core team members were Simran Singh, Piyush kharbandha, Ishmeet Kaur, Prabhleen Pahwa, Chinari Sameer Kumar, Rishab Dhir, Chanchal Sharma, Saumya and Mohit Meena.





Cultural Activities

Lohri & Makar Sankranti (13th January 2017)

Lohri & Makar Sankranti were celebrated with a lot of excitement in the University campus on 13th January 2017. The celebration started by gathering around bonfire, offering sweets and popcorn to the flame by chanting of mantras. After offering prayers, peanuts, popcorns, and

rewaries, Til-laddu and various food items were distributed among every one present on the occasion. The festival of harvest was celebrated with utmost zeal and enthusiasm. Lohri is essentially a festival dedicated to the Sun god. It is a joyous time to eat gur and peanuts, sing songs, and share the warmth with loved ones. The entire DPSRU family i.e. staff, teachers and students dance together and celebrated the festival with full diligence and earnestness.



Saraswati Puja (28th February 2017)

On the auspicious day of Saraswati Puja (28th February 2017), the students and Staff of the University, assembled together in the Dr. G. K. Narayanan Auditorium to get the blessings of the goddess of knowledge, music, art and culture on. The ritual was graced with the presence of Prof. R.K. Goyal, Vice Chancellor, Prof. D.P. Pathak, Offg. Registrar, all the teaching staff and students.

Both the faculty and students joined hands together, with great zeal to make

the event a memorable one also evoking the blessing of the goddess of knowledge to have a successful academic and carrier growth. Prof. Goyal appreciated the students and said that the Saraswati Puja is an effort by the students and staff to preserve the Indian culture and to impart a sense of respect towards long-established traditions. The rituals were conducted by Pandit Ji, who not only performed the Pooja but also enlightened on the concept of worshipping Goddess of knowledge, ending the event by serving Prasad to everyone present.



Social Outreach Activities

68th Republic Day (25th January 2017)

The 68th Republic Day was celebrated with patriotic fervour and great happiness in the University campus. The celebration commenced with the customary unfurling of the national flag by Prof. R. K. Goyal

VC, DPSRU followed by the National Anthem. Then the parade of two groups, one from students command and other from security guards, started in the sports ground and salute to the Hon'ble Vice Chancellor and registrar along with staff and students standing beneath the National Flag.



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

Prof. D.P. Pathak also focussed on unity in his speech and express thanks to all present there for making the day more patriotic and memorable. After the speech Dr. Rajiv Tonk, Mr. Deepak Tayal and Sh. Randheer Singh presented emblem of small Indian flags to the Prof. R. K. Goyal, Prof. D. P. Pathak and Prof. S. K. Gupta as token of respect. At the end, sweets were

distributed and Dr. Rajiv Tonk concluded vote of thanks with "Bharat Mata Ki Jai".

National Voter's Day (25th January 2017)

National Voter's day celebrated in the Dr. G. K. Narayanan Auditorium in collaboration with district election commission, south on 25th January 2017. The theme of the function was "Empowering Young & Future Voters". The chief guest of the function was Prof. R.K. Goyal, VC DPSRU. The programme started with the lamp lighting followed by Floral welcome of the chief guest by Mr. Tanvir Ahmed, ADM, South. Various cultural programmes such as solo song, Solo dance, Duet Dance, Group Dance and Band were performed by the students member's of dance, cultural and band societies of DIPSAR and DPSRU. Prof. R.K. Goyal and Mr. Tanvir in their speech explained the importance of voting system in India by giving various attention-grabbing examples. At the end of the function, cash prizes and certificates were distributed to the winners.



National Science Day (28th February 2017)

National Science Day was celebrated in the Auditorium, DPSRU Campus on 28th February, 2017. The theme for this year was "**Science and Technology for specially abled persons**". In accordance with the theme, programme consisting of cultural events and competitions was held in the presence of Chief Guest Prof. S. S. Agrawal, Former VC DPSRU and National Research Professor. The cultural events consisted of Audio Visual presentation on the life of DR CV Raman and deep insight into the importance of this day was provided by speech. It was followed by a skit presentation by students of Fitoor, the dramatics society of DPSRU on the theme of sensitization and inclusion of specially abled in to the society.

Poster Making Competition was held in

the premises on the same theme. The participants were analyzed in groups and scored by the esteemed judges Prof. Harvinder Popli, Dean Student's affair, DPSRU and Prof. Sharad Wakode. Two teams consisting of Ramashish Shankar and Upasna, Mariyan & Archana won the first and second position respectively.

A quiz competition was organized during the duration of the programme on the theme Science and Technology for the specially abled by the students of Verve, The Eloquence Society of DPSRU. The quiz saw the participation of 5 teams consisting of two members each. Teams consisting of Upasna Gaba & Sandeep Kumar and Ramashish & Shankar scored first and second position respectively. The programme was concluded with a Scientists' oath, National anthem and vote of thanks by Dr. Rajiv Kumar Tonk.



Events at School of Physiotherapy

Dr. Shivi Rajvanshi

School of Physiotherapy

In 2015, Delhi Pharmaceutical Sciences & Research University introduced a 4.5 years course in Bachelors of Physiotherapy. The initial intake was 40 and later was raised to 50 in 2016. Currently two batches are running.

B.P.T. Courses at School of Physiotherapy is registered with Delhi Council for Physiotherapy and Occupational Therapy (DCPTOT) and has received NOC from

the same. The School of Physiotherapy has well-equipped running OPD with all the Exercise therapy and Electro therapy modalities. OPD receives a footfall of average 15-20 patients daily.

Experienced faculty teaches UG students via modern methods using audio-visual aids, slides, research papers, and flash cards. Guest lecturers have also been invited for various subjects like General Surgery, Medicine, Obstetrics & Gynaecology.



Physiotherapy OPD

Various Events Organized

Free Physiotherapy camp

A free physiotherapy camp was being organized by Centre for Physiotherapy, DPSRU on 2nd September 2016. The camp was inaugurated by the Vice Chancellor, Prof. R.K. Goyal and the Director, Dr. D.P. Pathak. The camp was headed by the Faculty of Physiotherapy- Dr. Deepika Aggarwal, Dr. Shivi Rajvanshi, Dr. Komal Singh and Dr. Urvashi Sharma who covered

the camp by assessing, diagnosing, treating and referring the patients who registered in the camp. A total of 42 patients reported in the camp. The camp was a part of an academic activity for BPT 2nd year students (Batch 2015) who volunteered in the promotion of the camp, pamphlet distribution, registration and basic assessment of Vitals (B.P. and Pulse Rate), Chief complaints and Weight measures. Treatment was provided using electrotherapeutic modalities at

Physiotherapy centre. Mr. Avinash Bansal (Physiotherapy Attendent) very efficiently

contributed for the basic and essential requirements of the camp.



Honourable Vice Chancellor Prof. Ramesh K. Goyal inaugurating the Physiotherapy Camp with Teaching Faculty and Students

World Physiotherapy Day

On 8th September' 16, Centre for Physiotherapy celebrated World Physiotherapy Day at G. K. Narayanan Auditorium. The chief guests were Prof. D. P Pathak, Registrar DPSRU and Prof. S.K Sharma, DPSRU

A good amount of enthusiasm and participation was shown by the students in competitions and cultural programs of the event. Various competitions of Poster making, Rangoli making and Extempore were held and students of BPT and B.Pharm participated and won the prizes.

The cultural event started at 2 pm in the Auditorium with the speech of the chief guests.

The chief guests were felicitated with bouquets and momentos

Audio-visual speech on Physiotherapy, its branches, benefits and scope was discussed at the beginning of the program by Physiotherapy students. Various performances like dance, singing and poem recitation were presented by Physiotherapy and Pharmacy students. The whole event was being organised by the Faculty of Physiotherapy.



Chief Guests of the event



Faculty of Physiotherapy



Rangoli made by Physiotherapy and Pharmacy students

Hands-on CPR training at MTNL Perfect Health Mela

On 26th October 2016, students of BPT 2nd Year were posted for the practical class of basic Hands on CPR (Cardiopulmonary Resuscitation) at MTNL Perfect Health Mela, Talkatora Indoor Stadium. Dr. Urvashi Sharma was the Faculty Incharge

for the class. A total of 20 students were present for the class. The technique was explained to the students directly under the guidance of Dr. K.K. Aggarwal, President, HCFI (Healthcare Foundation Of India) on CPR Manikins. The basic procedure of C-A-B was taught followed by practice by students on the Manikins. Certificates for the same were issued to each student.



Sports Day Physiotherapist Team

On 23rd February 2017, Physiotherapy faculty Dr. Komal Singh along with the Pharmacy Lecturer Mr. Sachin organised the Sports Day of DPSRU in which the students, faculty and staff enthusiastically participated.

A physiotherapist team was formed for the event and was led by Dr. Shivi Rajvanshi, Dr. Urvashi Sharma and the students of Physiotherapy. Various cases of sports



injuries were recorded and handled by the team. First aid was also provided.

Sports and Gym Activities

Mr. Sachin Kumar and Dr. Komal Singh

The University Celebrated the 53rd Annual Sports Day was celebrated on 23rd February'17 in the Sports -Complex, DPSRU. A welcome speech was given by Dr. Komal Singh (Sports In-charge, DPSRU)

Enlightening the need of physical fitness in day-to-day life and the introduction of the chief guest. The Chief Guest for the event was Shri. O. P. Bhatia, Former Executive Director Sports Authority of India.



The event started with DPSRU Kulgeet and Speech of Hon'ble VC followed by Oath taking ceremony and National Anthem performed by BPT 1st year girls. The meet proceeded with the speech by chief guest.

Which further forwarded to masha lighting ceremony. There was medical team comprising physiotherapy students and physiotherapist for on field management under the guidance



of Dr. Komal and Dr. Shivi. The sports competition started with Staff Sports Competition.

The competitions were Race (male and female) shot put throw, volleyball match and Cricket. Over 50 staffs participated for

the competition and were ranked. It was followed by Students competition. Various sports were Race, High jump, Long jump, shot put, discus throw, volleyball, cricket, basketball, chess, carom, badminton, table tennis. Both boys and girls sincerely participated in the competitions and won.



The winners of staff sports competition are as follows:

MALE

Under above 60 yrs: 1st-Mr.P.N.Raju, 2nd - Mr. Sukhbir Singh , 3rd - Dr. S. K Sharma .

Age 50-59: 1st- Mr. Syed Asif, 2nd- Dr. P. K. Sahoo and 3rd - Mr. K. N. Neogi

Age 40-49: 1st – Mr. Devender, 2nd-Mr Zena, 3rd- Mr S.K Sinha

Age 30-39 : 1st- Mr. Sachin Kumar, 2nd- Dr. Mahaveer Dhobi, 3rd - Dr Rajeev Kumar

Age 20-29: 1st-Mr. Yak Bahadur , 2nd - Hemant , 3rd - Ram Kumar

FEMALE

Age 30-39 : 1st - Ms. Bimla Rawat, 2nd - Ms. Neeta Rathore, 3rd - Dr. Madhu Gupta.

Age 20-29: 1st -Ms. Shilpa, 2nd -Dr. Shivi, 3rd – Ms. Jyoti

SHOT PUT

Male

1st : Mr. S. Robinson, 2nd – Mr. Vishnu, 3rd – Mr. Sachin Kumar

Female

1st – Ms. Neeta Rathore, 2nd – Ms.Amita, 3rd- Ms. Bimla Rawat

STUDENT’S WINNERS OF SPORTS COMPETITION

BOYS	GIRLS
RACE 100 mtrs	
1 st -Deepanshu (DPH)	1 st -Lata Mangeshkar (M.Pharm)
2 nd -Dilip (BPH)	2 nd -Prachi Jain(BPH)
3 rd – Mohd.Azam	3 rd -Arshiya(BPT)
400 mtrs	
1 st -Deepanshu	1 st -Lata Mangeshkar
2 nd -Dilip	2 nd -Prachi Jain
3 rd -Jay Prakash (DPH)	3 rd -Archana
1600 mtrs	
1 st – Pankaj Singh (BPH)	1 st – Lata Mangeshkar
2 nd -Aron (BPH)	2 nd – Prachi Jain
3 rd -Jay Prakash	3 rd -Archana

BOYS	GIRLS
LONG JUMP	
1 st -Dilip	1 st -Lata Mangeshkar
2 nd -Ashray	2 nd -Preeti Bhati
3 rd - Manish	3 rd -Tanushree
DISCUS THROW	
1 st -Anil Singh	1 st – Richa
2 nd -Abhishek	2 nd -Lata Mangeshkar
3 rd -Karan	3 rd -Mehak
SHOT PUT	
1 st -Arshay	1 st -Taniya
2 nd -Ankit	2 nd -Mehak
3 rd -Anil	3 rd -Lata Mangeshkar



HIGH JUMP(BOYS)
1 st -Dilip
2 nd -Satish
3 rd -Shubham

CHESS	
BOYS	GIRLS
1 st -Shanker	1 st -Upasana Gaba
2 nd -Mohd. Danish	2 nd -Vinisha Pawar
3 rd -Virender Yadav	

CARROM (BOYS DOUBLES)

- 1st -Hitesh and Shubham (D. Pharm)
 2nd – Shubham (M. Pharm) and Meena
 3rd -Sandeep and Ashwani

BADMINTON

SINGLES	DOUBLES	MIX-DOUBLES
1 st : Akshay	1 st – Rahul and Nilaksh (BPT)	1 st - Ankita and Guru bacchan
2 nd -Nilaksh	2 nd Anil and Meena	2 nd -Preeti Bhati and Anil Meena
3 rd – Anil Singh	3 rd -Sandeep and Sushil	3 rd - Lata Mangeshkar and Sushil

TABLE TENNIS

BOYS	GIRLS
SINGLES 1 st – Ashish (BpH) 2 nd – Gaurav Chauhan DOUBLES 1 st - Rajiv Shah and Ashish 2 nd Guru bachan and Gaurav Chauhan 3 rd -Rohan and Bilal	SINGLES 1 st - Bhawleen 2 nd -Rashi 3 rd -Pooja DOUBLES 1 st – Deepender and Pooja 2 nd -shubham and ankita

Team Games

STAFF VOLLEY BALL: Winning Team A Consisting of Mr. Sachin Kumar (c), Mr. Ram Kumar, Mr. Gaurav, Mr. Yak Bahadur, Mr. S. Asif, Mr. Devender, Mr. S. Robinson.

STAFF CRICKET: Wining Team A: Consisting of Mr. Sachin Kumar (c), Mr. Ram Kumar, Mr. Gaurav, Mr. YakBahadur, Mr. S. Asif ,Mr. Kaushal, Mr. Mohit, Mr. Pankaj And Mr. Deepak.

Volley Ball

1st – Sandeep, shubham, ketan, prince, ashish, ashish malik, nitin, mohit.

2nd – Vikrant, Anil .Harish.

3rd- Divyank, Karan, Aron, Tushar, Anil, Aakash, Prem, Milan.

Basket Ball

1st- Sandeep, Ketan, Prince, Ajeet, Chandan, Harish, Umesh.

There are 97 winners including staff.

The event ended with distribution of refreshments to all.



Amenities

Dr. Mahaveer Dhobi

India International Hospitality Centre (IIHC)

A guesthouse is situated inside the complex with the name of "India International Hospitality Centre". This hospitality center is a fine state of art giving an infinite look to the complex. It's a double storey building giving a concrete look. It has visitors room fully furnished and equipped with phone facility, which

has been renovated. Ground floor has 5 double seated rooms and 3 suites (for VIP guests) are constructed on first floor. All rooms are fully furnished, air-conditioned, fitted with Jacuzzi (water baths), Steam Baths. Room service is available all the time along with cooking facility. Centre also has a multicuisine to serve scientists and medical fraternity visiting the University from all over the world.



Staff Quarters

The residential complex includes well maintained Staff Quarters. It has also been planned to build a new residential block for the staff at the place of the old

guest house.

Girls Hostel

A new PG block has been created along with the existing ones.



Boys Hostel

A new building has been constructed in front of the existing B.D. Miglani Boys

hostel. A mess has been constructed in the first floor which is ready to use. Also a fully air conditioned study room and an IT room will be available in the upcoming months.



Food Court

A fully air conditioned food court is there

where faculty, staff and students get quality food and snacks.



Gymnasium and Swimming Pool

University has a state of art Gymnasium

and Swimming pool aiming at preparing healthy all-rounder professionals.



Other Facilities at University Campus

- SBI ATM
- Stationary shop with xerox facilities
- Sports Complex

Collaborations of the University



Particle Sizing Systems

Building solutions one particle at a time.



दिपसरु – कुलगीत

भेषज विज्ञान के कल्पतरु हे दिपसरु,
भारत भैषज्य के वैभव हे विपदहरु,
भेषजकीय विज्ञान अभिज्ञान भैषज गुण विज्ञान दिपसरु,
स्नातक परास्नातक विद्यावारिधि के गुरुकुल हे विषमहरु,
भेषज गुण औषधीय वृक्ष विज्ञान के संगम हे दिपसरु,
हे दिपसरु महान तुम्हारी जय हो जय जय जय हो ॥1॥

ज्ञान भारती भेषज के इस विश्वपीठ को अपनी मंगल वाणी दे दो,
भेषज अंग उपांग वाग्देवी का उपक्रम आशीर्वचन इसे वर दे दो,
शोध जान्हवी बहे निरंतर दिग दिगंत यशपूरित कर दो,
इस परिसर में तकनीकी ज्ञान को विश्वपलक पर रख दो,
हे शारदे सुजान प्रदान विमल मति आस यह पूरी कर दो,
हे दिपसरु महान तुम्हारी जय हो जय जय जय हो ॥

डाक्टर श्रीधर द्विवेदी

DELHI PHARMACEUTICAL SCIENCES AND RESEARCH UNIVERSITY

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

The First University dedicated to the Pharmaceutical Sciences in India

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