



## DELHI PHARMACEUTICAL SCIENCES AND RESEARCH UNIVERSITY

# Pharmannual 2020-21

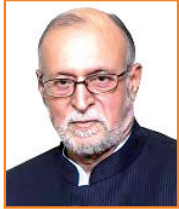


The First Pharmacy University Dedicated to the Pharmaceutical Sciences in India  
Incorporating it's Constituent Institute

**Delhi Institute of Pharmaceutical Sciences and Research**

# AUTHORITIES OF THE UNIVERSITY

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Chairman & Chancellor



Dr. Shridhar Dwivedi



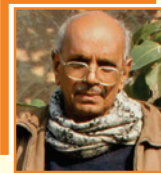
Prof. Ramesh K.  
Goyal



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Kumar, IAS



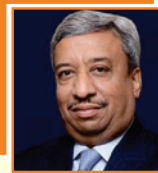
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Dr. O. P. Shukla



Sh. Ranjeet Kumar

उपराज्यपाल  
दिल्ली  
LIEUTENANT  
GOVERNOR, DELHI



राज निवास  
दिल्ली-110054  
RAJ NIWAS  
DELHI-110054



### **MESSAGE**

I am pleased to learn that the Delhi Pharmaceutical Sciences and Research University (DPSRU) is bringing out its Annual Report for the year 2020-21. DPSRU is India's first university dedicated to pharmaceutical and health sciences. The pharmaceutical sector has been a key asset in the international pursuit of health for humankind. Over the past few years DPSRU has grown not only in terms of size but has also attained high standards of academic excellence, particularly in the field of research, innovation and incubation.

DPSR University has contributed significantly in the fight against COVID 19. It has undertaken development of special masks, sanitizers and low cost ventilators, besides public awareness programs. It is heartening to note that exploring the Aravali hills biodiversity of Delhi, DPSRU in collaboration with University of Missouri, USA is in the process of developing the first of its kind of a herbal formulation to fight COVID-19.

I am happy that the university has prepared a strategic document "VISION 2030" for qualitative and quantitative expansion. I am sure that the University will continue to focus on extensive research & development activities, apart from imparting quality education to its students.

I wish the Staff and the Students of DPSRU the very best in their future endeavours.

**(Anil Baijal)**



Date: 03/08/2021

### **MESSAGE**

It gives me immense pleasure and pride to write a few words of compliments, hopes and future expectations from Delhi Pharmaceutical Sciences and Research University in Pharmannual 2020-21. This being Asia's first Pharmaceutical Sciences University in the Capital City of Delhi stakes are very high indeed. I am extremely happy that even during COVID -19 Pandemic it has been able to maintain its academic calendar fairly well. Major accomplishment has been developing a herbal formulation for COVID -19 for which the credit goes to Prof. Ramesh Goyal himself who is leading the University from the front. Starting of new courses in 10 special areas is another academic initiative which needs to be appreciated University has also taken a quantum leap by starting Yoga courses which will prove to be of immense help to society in the long run. The real test of any university lies in its research output. It is no mean achievement that its four faculty members have been cited in the top 2% of world scientists. Fact that the University has now come out with a distinct plan for its futuristic road map 'Vision 2030' in a documented way calls for a determined and dedicated effort by all of us to make that dream successful and true. It is on this happy note that I congratulate everyone who are contributing their best for the growth of this temple of learning and healing .



#### **Professor (Dr.) Shridhar Dwivedi**

MD, PhD, FAMS, FRCP (U.K.), FIACS (Canada)

Senior Consultant Cardiologist

Head, Academics, National Heart Institute

Chairman, Board of Governors,

**Delhi Pharmaceutical Sciences and Research University**

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DEPUTY CHIEF MINISTER  
GOVT. OF NCT OF DELHI  
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### **MESSAGE**

D.O. No.: \_\_\_\_\_

Date: \_\_\_\_\_

I am happy to note that the Delhi Pharmaceutical Sciences & Research University (DPSRU) is publishing Pharmannual as its Annual Report for the year 2020 – 21. Pharmannual has nice showcased the vital information about achievements and activities of students, faculty and staff members. I am pleased to note that the University has expanded its horizons in Pharmacy & Allied Sciences and established the Centre for Meditation & Yoga Sciences and initiated eight new courses.

While the COVID pandemic has posed several new challenges, it has also given an opportunity to pharma industry to reassess its role and emerge as a reliable supplier of high – quality, affordable medicines. This has been a period of significant learning for the Indian Industry on all fronts.

I wish Delhi Pharmaceutical Sciences & Research University (DPSRU) all the best for its future endeavours and to move forward at even more enthusiastic pace.

**(MANISH SISODIA)**

**Dr. S.B. Deepak Kumar**  
IAS. Secretary



राष्ट्रीय राजधानी क्षेत्र, दिल्ली सरकार  
Government of National Capital Territory  
of Delhi  
प्रशिक्षण एवं तकनीकी शिक्षा विभाग  
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Date : 29.06.2021

### **MESSAGE**

Great adversity brings disruption and discovery. The COVID-19 pandemic has provided several lessons for humanity, governments, individuals and businesses. I am happy to note that Delhi Pharmaceutical Sciences and Research University (DPSRU) has brought out -Pharrnannual 2020-21” reflecting overall activities of students, faculty and staff

Among life sciences and healthcare institutions and industry, role of pharmaceuticals has been the most crucial in the era of Covid-19. It is heartening to note that the first pharmacy university of India has taken a lead to bring out research based herbal formulation that is novel because it modulates prime target the virus i.e. ACE-2. The University has initiated to start new courses focusing on public health. which and its importance is no longer unseen in today’s time. I appreciate the efforts and hard work of the faculty and students for bringing out its Annual Report for the academic year 2020-21.

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

*During COVID-19, we are all together; even if we can’t hold hands right now.*

**(Dr. S.B Deepak Kumar)**

**Azimul Haque**

I.A.S. Director



सत्यमेव जयते

Department of Training & Technical  
Education

Government of NCT of Delhi

D.O. No.: P.S./Misc./Dir./2021/26

Dated: 28.06.2021

### **MESSAGE**

I am delighted to know that Delhi Pharmaceutical Sciences and Research University is publishing its Pharmannual 2020-21.

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. It is heartening to note that the University has not only fulfilled its commitments towards academic but also its staff members have produced a large number of research papers and some of them have culminated into products. Another noteworthy achievement of the University is establishment of the Centre for Meditation and Yoga Sciences along with eight new programs in allied health sciences. I am sure 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.

My compliments and best wishes to the students, faculty and staff members of the University for publishing its Annual Report.

**(Azimul Haque)**



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## Editorial Board



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Goyal**

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**Dr. O. P. Shukla**



**Prof. P. K. Sahoo**



**Prof. Harvinder Popli**

### Editors



**Dr. Meenakshi  
K. Chauhan**



**Dr. Ajit K. Thakur**



**Dr. Sheetal Yadav**



**Mr. S. Sengupta**

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Mr. S. Sengupta

Ms. Pritha Sarkar



## FROM THE VICE CHANCELLOR'S DESK



***Prof. Ramesh K. Goyal, Ph.D.***

***FIC, FAMS, FANSc, FIACs, FIPS, FICN, FSCH***

**T**he year 2020-21 has been very challenging because of the COVID-19 pandemic. But the challenges always bring opportunities. Pharmaceutical and allied health sciences are acting as the world's saviour in these times of global health challenge. This is the most opportune time for pharma to promote and execute the competence by an institution for diagnostics, drug discovery and innovations to fight against the COVID and provide health services and management at the society level. Delhi Pharmaceutical Sciences and Research University, the First Pharmacy University of India and third in the World converted the adversities of COVID into Opportunities. During this dreaded period DPSRU marched forward with new vistas. On 22nd December we had the 3<sup>rd</sup> Convocation of our University with Prof. B. Suresh, President, PCI as the Chief Guest. Our University got

Commonwealth Award in Innovation and a Fellowship from UK for Infectious diseases to our faculty Dr. Mahaveer, Dr. Sushma Talegaonkar getting a Research grant of Rs. 67 Lakhs from SERB, DST and our team in the University got a grant of 5.45 Cr from DTTE, Govt. of NCT of Delhi for the establishment of the Precision Medicine Centre. In the end, the State-of-the-Art Centre for Meditation and Yoga Sciences. The most important development has been the development and introduction of an herbal product into the market 'COROQUIL-Zn', which is perhaps the first in the world targeted to the ACE-2, the main culprit for COVID-19.

DPSRU continues to have a focus for research and innovation. Our faculty members published as well as 21 books and book-chapters, filed 5 patents and got awards consistently every year. In addition to academic activities, several

workshops, seminars and guest lectures. Our University continues to have strong tie ups with industry. Innovative products are being developed with companies. Research, innovation and incubation have been a priority of our university. This year we have filed 5 patents. In collaboration with Russian scientists, we have filed a patent for the Regenerin cream for Diabetic Foot ulcer. Three of our faculties Prof. Deepti Pandita, Dr. Sushma Talegaonkar, Dr. Prabodh Chander are listed in top 2% of highly cited scientists of 2019 by University of Stanford, in addition to my name in 2020 top 2% scientists. Our University has been shortlisted by Silicon India for 10 Best Campuses for Research and Innovation in India- 2020. More than 25 new dynamic faculty members have been appointed on a regular basis and more than 25 research projects have been submitted by our faculty. While the first batch of BPT is coming out this year from the University it is exciting to note that our School of Physiotherapy has been included in 10 best Physiotherapy institutes in India.

To expand horizons and promote research activities, the University has more than 30 MoU signed with National Government institutions and Pharma Industry. In 2020-21, we started PG Diploma in Clinical research with Apollo Hospital Research & Education (AHRE). From this year (2021-22) we are starting eight new courses like Executive M. Pharm. (Drug Regulatory Affairs); MBA (Pharma Economics and Trade); BBA (Public Health Administration); MPT (Sports Physiotherapy); B. Pharm (Ayurveda); PG Diploma in Tissue Culture; M.Sc. (Artificial Intelligence and Precision Medicine); DMLT; BMLT; Diploma in Meditation and Yoga and new Skill development courses in Medicine Management. Our University has been thriving for the quality education and welfare of the

students. This year 51 students qualified in the national competitive examination GPAT, which, I suppose, is probably the highest number in the country among pharmacy institutions. All India the 1st Rank and 4th Rank has been grabbed by our students in GPAT. We have now 128 Ph.D. students and more importantly one third come with Govt scholarships from agencies like ICMR, DST, CSIR etc and an equal number getting collaboration and aid with research centers like DRDO, THISTI, IPC and pharma industries.

Arranging for the Guest lectures, appointments of Adjunct Professors, Organizing Workshops, National and International conference and now the webinars are a routine in our University. Through webinars our University has developed collaborations and tie-ups with countries like the UK, West Indies, Portugal, Philippines, Malaysia, Thailand and even China. This year we have prepared VISION 2030.

With prayers to the almighty to keep our mentors of the university, teaching and non-teaching staff and alumni I acknowledge their constant support. I welcome the new members of the General Council and Board of Governors. We are honoured to have distinguished personality and icon of Pharma Industry Shri Pankaj Patel of Zydus Cadila group, the dedicated and committed experience personality who gave us a breakthrough for Covid-19 medicine. Prof. C.R. Babu and a successful scientist of drug discovery heading Indian Pharmacopoeial Commission Dr. Raghuvansh Rajvanshi, Dr. Rajesh Jain, CMD Panacea Biotech, one of the leading for Covid -19 vaccine and former VC of the M.S. University of Baroda. The Biotechnologist Prof. K. C Upadhyay have joined as Board of Member. We welcome all of them we look forward to real logarithmic growth of our university.

**Prof. Ramesh K. Goyal**

## EDITORIAL



***Dr. O.P. Shukla, Prof. P. K. Sahoo, Prof. H. Popli***

**A**s we all know, the year 2020-21 was an incredibly tough year for the entire world in general and for healthcare workers in particular. It was a year of hope as much as it was a year of despair. The misery of disease, death, overburdened healthcare, lockdowns, and economic slowdown globally was met with the resilience of scientists, doctors, nurses, pharmacists, hospitals, regulatory agencies and biopharma industry as well as by common people.

Not only did the healthcare workers stretch beyond the call of duty to save as many lives as possible in this ongoing pandemic, a positive collaboration of scientists, regulators and the industry resulted in getting several effective COVID19 vaccines developed, approved, and rolled out for general public in record time. Simultaneously, the pharma industry kept pace with testing, developing, repurposing, and manufacturing drugs for treatment of covid and post-covid patients. These achievements provided a sense of pride to our whole profession as it rose up to the occasion to save precious lives.

While the world was struggling with the virus, another very important challenge faced by the teaching-learning community was continuation of academics to prevent loss of precious years for the students. With the guidance of our Vice-

chancellor and efforts of the entire faculty, we quickly adopted online modes of teaching. Further, digitization of examinations ensured that transition of students to next class was smoothly executed. A number of webinars on contemporary topics were also conducted where the students got ample opportunity to learn from the subject experts and keep abreast with the recent updates in the field.

In our effort to give back to the society, we also organized health awareness webinars for general public and also conducted drives for distribution of immunity booster tablets in the community, with special focus on under-privileged neighborhoods. During the times of economic duress during extended lockdowns we also organized food distribution drive. With such programs, we hope to inculcate a sense of social responsibility in our students contributing to their development not just in the subject domain but as an overall responsible corporate citizen.

We thank all the faculty members for their immense contribution for uninterrupted academic and overall progress in this difficult year and congratulate them for bringing about this insightful Pharma Annual, providing a peek at our achievements through the year.

Wishing all a healthy and progressive year ahead.

# UNIVERSITY AT A GLANCE



*Dr. Gaurav K. Jain & Dr. Sachin Kumar*

## VISION

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

## MISSION

To develop core competency in pharmaceutical sector and contribute in building leaders, administrators and personnel who can take up responsibilities as professionals in pharmaceutical and allied health sciences appropriate for community, institutions and industries

## OBJECTIVES

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

## QUALITY POLICY

**Curriculum Designing:** Unique Courses with Global Thinking & Local Need

**Teaching Learning Process:** Pedagogy with Participative Learning

**Research & Innovation:** Research Excellence with Innovation & Incubation

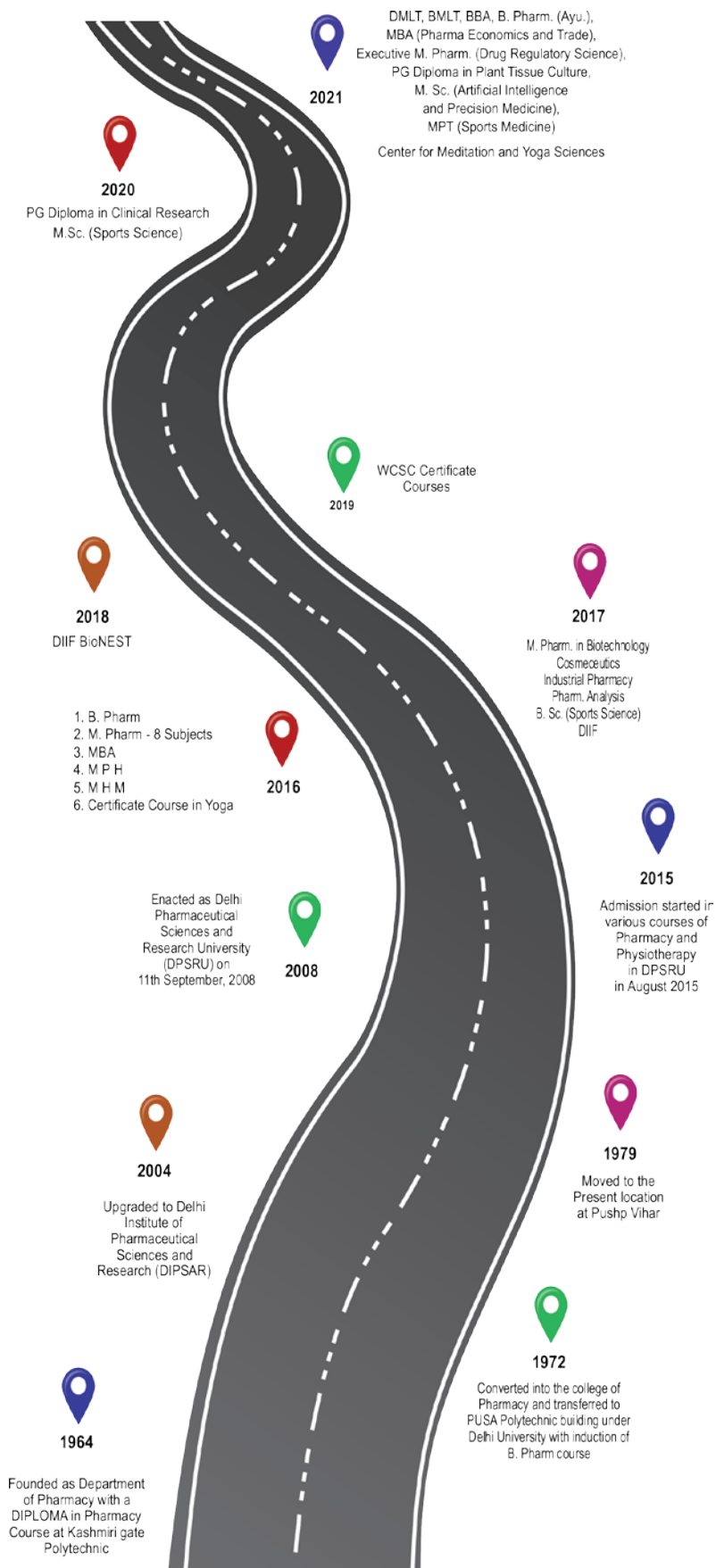
**Infrastructure:** Ambience for Rigorous Learning

**Student Progression:** Uncaging the Dreams by Job Creation

**Governance:** Leadership without Power & Power without Hierarchy

**Best Practice:** Adoption of Yoga and Sports for Healthy Life

## Milestones



- Act 7 of 2008 Passed by the State Legislature of Delhi as a State University No. F14(16)LA-2008/Law/134-143 dated 24th October 2008
- Establishment Date declared as 1st February (No. F. 2(412) / 2008 / SB / Vol.II / 71 dated 21.01.2010.
- Beginning of the Academics in the University (No. F.9-19/2015/(CPP-I/PU) dated 22nd September 2015. Prof. Shyam Sundar Agrawal as the Vice Chancellor
- UGC Notification: 22nd September 2015
- Appointment of the First Regular Vice Chancellor: Prof. Ramesh K. Goyal
- First Statutes: 2017
- Second Statutes: 2020
- First Ordinances: 2020
- PCI Approval: upto 2021
- DCPTOT Approval: upto 2020
- AICTE Approval: upto 2022
- WCSC Center: Since 2018
- DBT-BIRAC-BIONEST Centre: 2019
- Precision Medicine Centre: 2021
- Centre for Meditation and Yoga Sciences: 2021

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

The University runs D. Pharm., B. Pharm. B.P.T., B.Sc. (Sports Science) with pharmacy focus and PG courses like M. Pharm. in 12 specializations (Cosmeceutics, Drug Regulatory Affairs, Pharmaceutical Analysis, Industrial Pharmacy, Pharmaceutical Biotechnology, Pharmacognosy and Phytochemistry, Quality Assurance, Hospital Pharmacy, Pharmacology, Pharmaceutics, Pharmaceutical Chemistry, Clinical Research); MBA (Pharmaceutical Management); MPH (Master



of Public Health); MHM (Master of Hospital Management) in addition to Ph.D. Programs in several different disciplines. The University has skill development courses like Certificate courses in Yoga, Sports Fitness and Yoga Application, Sports Digitalization & Fitness management, and Beauty & Wellness Consultant.

Various Departments at DPSRU			
1	Pharmaceutics	18	Public Health
2	Industrial Pharmacy	19	Hospital Management
3	Cosmoceutics	20	Business & Accounting
4	Drug Regulatory Affairs	21	Electrotherapy
5	Pharmaceutical Chemistry	22	Exercise therapy
6	Pharmaceutical Analysis	23	Neuro-physiotherapy
7	Pharmaceutical Quality Assurance	24	Pediatrics Physiotherapy
8	Pharmaceutical Nanotechnology	25	Sports Physiotherapy
9	Pharmacology	26	Biomechanics
10	Anatomy	27	Sports Digitalization
11	Physiology	28	Sports Performance Assessment
12	Pharmaceutical Biotechnology	29	Sports Management
13	Pharmacognosy	30	Yoga
14	Herbal Drug Technology	31	Sports Fitness Assessment
15	Pharmaceutical Management	32	Computer & Communication
16	Hospital Pharmacy	33	Community & Rehabilitation
17	Clinical Pharmacy	34	Women Health

## INFRASTRUCTURE & FACILITIES

Delhi Pharmaceutical Sciences and Research University (DPSRU), the first Pharmacy University in the country was established by Act 07 of 2008 State legislature of Delhi dedicated to the profession of pharmacy has a dynamic infrastructure. The University campus is spread over an area of 10.36 acres having around 2000 students and around 250 staff members offering

undergraduate, postgraduate, and doctoral programmes. The University boasts some of the best facilities to promote comprehensive teaching and learning and conduct research to cater to various sectors of industry.

## DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH

DIPSAR is one of the departments of the Directorate of Training and Technical Education (DTTE), was founded in 1964 as a Department of Pharmacy at Kashmiri Gate Polytechnic for imparting a Diploma in Pharmacy. This department was, later on, shifted to Pusa Institute where B. Pharm. course was introduced in 1972, and M. Pharm. in 1979. The department was elevated to the 'College of Pharmacy' and it moved to a bigger campus at Pushp Vihar, New Delhi. This College of Pharmacy was upgraded and named as 'Delhi Institute of Pharmaceutical Sciences and Research' vide gazette notification of July 2004, under DTTE, Government of NCT of Delhi and it was affiliated to University of Delhi. With the establishment of DPSRU, the institute (DIPSAR) is now a constituent Institute of DPSRU, both functioning in the same campus, located in Pushp Vihar, New Delhi. The mission of DIPSAR is to project this institute on the global map of pharmaceutical education by imparting quality pharmaceutical education at undergraduate and postgraduate levels. As pharmacy is the backbone of the healthcare sector, the Delhi Institute of Pharmaceutical Sciences and Research has a vision of serving society by providing quality pharmacists at various levels. This Institute mentoring soft life skills like positive attitude, right aptitude, problem-solving, effective communication, and team-building for the all-round development of personality of students, which will empower them to take lead in entrepreneurship and placements.



**University with Difference**  
**1<sup>st</sup> and only Pharmacy University of India and 3<sup>rd</sup> in the World**



**1st only Pharmacy University to have "Ocular Pharmacology Lab"**



**1st Pharmacy and non-Russian Teacher Prof. Ramesh K. Goyal conferred upon Honorary Professorship in 80 years of existence by Starvopol Medical State University**



**1st University to have started B.Sc. (Hons.) in sports Sciences with focus on Sports Digitalization, Fitness Assessment, Management as well as Pharmacy**



**1st University to start Skill Development courses in Sports**



**1st Pharmacy Institution to have launched 1st in India Enteral Nutraceutical Formulation for patients of Kidney Diseases & Critical Care**



**1st Pharmacy Institution to start programs on Pharmacovigilance & Outcome Research**



**1st University in India to develop Ayurveda Medicine with efficacy shown through Clinical Trials.**



**1st University of Pharmacy to develop Center for Meditation and Yoga Sciences spreading Yoga all across the public in entire Delhi.**

## SCHOOL OF PHARMACEUTICAL SCIENCES

School of Pharmaceutical Sciences was established under DPSR University in the year 2015 to promote and provide specialized professional courses in different fields of pharmaceutical sciences. The school in the year 2015 started with B. Pharm, M. Pharm (Department of Pharmaceutics, Department of Pharmaceutical Chemistry, Department of Pharmacology and Department of Pharmacognosy) and Ph.D. Later in the year 2017, the School of Pharmaceutical Sciences continued its growth with few more branches added in M. Pharm courses i.e., Industrial Pharmacy, Cosmoceutics, Drug Regulatory Affairs, Pharmaceutical Analysis, Pharmaceutical Biotechnology, and MBA in PharmaManagement to provide more specialized courses with a vision of better opportunities for young pharmacist. The vision of the School of Pharmaceutical Sciences aims to nurture pharmaceutical professionals by developing highly competent skilled pharmacists who can serve society in a better way and can become an integral part of the health care system. The Department of Pharmaceutics aims to equip the students with the knowledge of research and development, formulation development, scale-up and technology transfer, regulatory affairs, patent filing, and industrial safety issues. The Department of Pharmaceutical Chemistry along with Pharmaceutical Analysis aims to nurture its students with the knowledge of medicinal chemistry and analytical method with a more scientific approach. The Department of Pharmacology along with Pharmaceutical Biotechnology aims to provide its students the knowledge of biopharmaceuticals, clinical research, and pharmacovigilance. The Department of Pharmacognosy focuses on the development of drugs from herbal plants

and the standardization of herbal drugs. The followings are our values, objective, and plans:

- Excellence and integrity in teaching, research, clinical practice, and service
- Commitment to a learning environment that embraces diversity, inclusiveness, equity and respect
- Promoting and rewarding critical thinking and continuous quality improvement
- Productive engagement with our alumni, clinical and educational partners, and community
- Establishment of 'Centre of Excellence' for Nanoscience and Nanotechnology
- Establishment of Scale-up Technology Lab for commercialization of products
- Set up of Quality Control and Quality Assurance lab for various novel drug delivery systems
- Building up current areas of strength by forming small collaborative units and establish an interdisciplinary biomedical research Centre at DPSRU
- Explore the herbal wealth of Biodiversity parks in the neighbouring areas
- Testing Laboratory for AYUSH, Natural Products, and Phytopharmaceuticals Development of specialized Medicinal Herbal Garden in the DPSR University Campus
- To provide the supportive environment for the bench to bedside kind of translational research in areas of national priority by collaborating with institutes of national and international importance.
- To start value-added courses in clinical research, pharmacovigilance, and biopharmaceuticals in collaborations with the Indian Pharmacopoeia Commission, Apollo Hospitals, Biocon, etc.

- Development of Post Graduate Degree and Diploma Courses to provide Teachers required strengthening courses for pharmacy in BAMS, BHMS & BUMS.

## LECTURE THEATRE/DELIBERATION ROOMS

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

## DEPARTMENTS, RESEARCH AND INSTRUMENTATION FACILITIES

For the sake of administrative convenience but promoting interactions among different disciplines, we have defined cluster departments that reflect the best related subjects across the University. All the Departments of Delhi Pharmaceutical Sciences and Research University, DIPSAR, and Schools of University are actively involved in teaching and research at undergraduate, postgraduate, and doctoral levels. The labs are spacious and well-equipped and act as an ideal training ground for budding pharmacy professionals that allow students to perform experiments and bring to practice what they have learned in theory.

**Department of Pharmaceutics:** The Department of Pharmaceutics has four M. Pharm specializations viz., Pharmaceutics, Industrial Pharmacy, Cosmeceutics, and Drug Regulatory Affairs. The relatively new branches

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

- 3D printer
- Autoclave
- Backman coulter counter
- Ball Mill
- Binocular Microscope with camera
- Biosafety Cabinet Class-II
- BOD Incubator
- Shaker
- Bulk Density Apparatus
- Capsule filling machine
- Clarity test Apparatus
- Calorimeter
- Centrifuge
- Coating and polishing machine
- Conical Percolator
- Deep Freezer (-80 degree)
- Digital pH meter
- Disintegration Apparatus
- Dissolution Apparatus
- Environmental Chamber
- Fermenter
- Flame Photometer
- Friabilator
- HPLC
- Humidity Chamber

- High precision balance
- High pressure homogenizer
- Hot air oven
- Homogenizer
- Laminar air flow
- Lyophilizer
- Malven Zetasizer
- Microfluidizer
- Moisture balance
- Monsanto Hardness tester
- Non-contact Tonometer
- Pfizer Tablet Hardness Tester
- Probe Sonicator
- PSS particle size analyzer
- Rheometer
- Rotary Tablet Punching Machine
- Rotary vacuum evaporator
- Shaking water bath
- Stability chamber
- Turbidity meter
- Ultracentrifuge
- Ultrasonicator
- UV – Visible Spectrophotometer
- Vacuum oven
- Vortex Mixer

**Department of Pharmacology:** The Department of Pharmacology has four specializations in M.Pharm viz., Pharmacology, Hospital Pharmacy, Clinical Research, and Pharmaceutical Biotechnology. The Department of Pharmacology has a well-defined infrastructure for all the M.Pharm. related courses and for the B.Pharm. The main research areas include cardiovascular disorders and metabolic syndrome, diabetes and its complications, ocular therapeutics, and cancer. Other core competencies of the department include drug discovery related to inflammatory diseases, multiple sclerosis, psoriasis,

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

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

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

#### **Department of Pharmaceutical Chemistry:**

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

- Attenuated Total Reflector (ATR)
- Carbon, Hydrogen, Nitrogen Analyser
- Conductivity meter

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

#### **Department of Pharmacognosy and Phytochemistry:**

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

- Analytical balance
- Autoclave
- BOD Incubator

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

## RESEARCH & FACILITIES

The Research & Facilities have a complement of various sophisticated instruments such as Differential Scanning Colorimetry, High Performance Liquid Chromatography, Gas Chromatography, UV spectrometry, freeze-drying to promote interdisciplinary research. The facility caters to the need for cutting-edge research in many areas of science and technology. It provides a platform for training students and researchers with the latest instruments in the field of pharmaceutical sciences. A full-time technician is appointed with specific expertise, to aid with the operation of the instruments.

## ANIMAL HOUSE

The students and faculty have access to the airconditioned Animal House Facility, which is a newly constructed three-storied building with a basement and houses several experimental animals. Animal House Facility was established to facilitate the animal-based studies of various investigators from different departments. This Animal facility is utilized for experimental research per the principles of good laboratory

practices and CPCSEA guidelines. All research protocols are approved by the Institutional Animal Ethics Committee (IAEC) of the Institute.

The salient features of this facility include:

- (a) Distinct location, away from the teaching and administrative block to provide noise and pollution-free conducive environment for animals,
- (b) Four rooms on each floor of size 10ft x 14ft to house different animal species,
- (c) Separate washing, autoclaving, and stocking area,
- (d) Separate room for veterinarian doctors and record keeping,
- (e) Individual Air Handling Units for each floor for maintaining environment,
- (f) Animal house is connected to the RO Water facility for providing clean drinking water for the animal population,
- (g) Each room opens into 4ft wide clean and dirty corridors on either side for regulated unidirectional movement of material,
- (h) Lift (size 8ft x 6ft) for smooth movement of animals, workforce, and material,
- (i) Quarantine area for rodents (rats/ mice) and rabbits.

Each species is housed in individual rooms in which the temperature, humidity, dark, and light cycles are monitored. Our animal house supplies rats/mice/ rabbits to other colleges/ research Institutes approved by CPCSEA. The experienced and helpful technical staff of the Animal House assists the research workers in their animal experiments and is responsible for proper maintenance of this key facility.

## MEDICINAL HERBAL GARDEN

The medicinal herbal garden within the campus has important traditional, medicinal, and aromatic plants, herbs, shrubs, and trees.

The herbal garden is used by M. Pharm. and Ph. D. students working on herbal projects for growing plants for use in their experiments and collection. The main purpose of the herbal garden is to facilitate the experimental work and initiate the conservation of rare medicinal plants. Here herbs are cultivated according to their season to get the maximum yield of useful components of herbal drugs. At present one herb is used to get constant yield on mass on the 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 the collection and cultivation of natural products.

### **MUSEUM**

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

### **PHYSIOTHERAPY OPD**

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

### **YOGA AND FITNESS CENTRE**

Yoga course has been included in the curriculum which will benefit the students to perform and concentrate better. More than the one hundred students of M. Pharm, MHM, MPH, MBA in three batches are trained in the yoga center on the ground floor of the University building.

### **EXAMINATION BRANCH**

The Examination Branch is well established and maintained branch of Delhi Pharmaceutical Sciences and Research University with a team of committed and dedicated staff members. The Examination Branch of DPSRU is headed by the Assistant Controller of Examinations with a team of experts as, Examination Consultant and supporting staffs. The Prime responsibilities of Examination Branch are to notify the examinations schedule, processing of examination applications, issuance of Hall Tickets, the appointment of Superintendent, Deputy Superintendent for the conduct of all examinations fairly and systematically, conduct Evaluation process, publish results, issuance of Marks Sheets, Provisional Certificates and Degree Certificates, Official Transcript and Conduct of Convocation, under the timely directions and approvals of Honourable Vice-Chancellor.

### **AUDITORIUM**

The University has a beautifully designed auditorium that serves as a platform of interface with a seating capacity of 450. Centrally airconditioned, well-planned, well-equipped, and elegantly furnished auditorium is provided with all the modern amenities for conducting scientific seminars and meetings. To cater to the increased student strength, it is planned to increase the seating capacity of the auditorium. BOARD ROOM The University has a state-of-the-art board room that serves as an arena for cultivating team spirit equipped with modern multimedia facilities for important official meetings and proceedings. It provides a forum for interactive sessions, workshops, and presentations with a seating capacity of 50. NSS CENTRE National Service Scheme Centre is established in the University building with the voluntary association of teaching, non-teaching staff, and students.

## OTHER INFRASTRUCTURE AND CAMPUS FACILITIES

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

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

**Food Court:** A fully air-conditioned food court that offers nutritious and wholesome food and snacks along with Mother Dairy Booth in the campus.

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

**Hostels for boys & girls:** Students have exclusive hostels for boys and girls with

spacious, comfortable, well-furnished rooms and a 24-hour security system. A new PG block for the girl's hostel has been created along with the existing ones. A fully air-conditioned study hall and an IT room are in the pipeline.

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

**Gymnasium and Swimming pool:** University has a state of art Gymnasium and swimming pool aiming at preparing healthy all-rounder professionals. SBI ATM at University Campus Parking Space: Students and faculty have been provided with exclusive Parking lots for their vehicles.

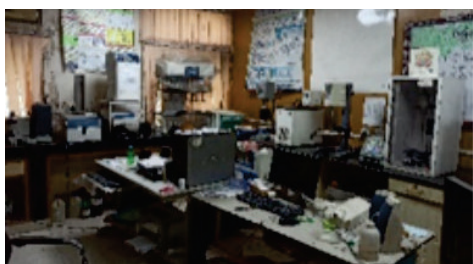
**Internal Complaint Committee for Women** for prevention, prohibition, and redressal of sexual harassment of woman employees and students: University has constituted a committee with competent people to create a secure physical and social environment to deter any act of sexual harassment and to raise awareness on sexual harassment of woman employees and students. **Anti-ragging Squad:** University-level anti-ragging squad has been constituted for taking necessary steps to prevent any incidence of ragging which is prohibited on the campus.

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



## DPSRU Innovation and Incubation Foundation (DIIF)

DIIF under DPSRU focus to nurture student and faculty innovation in healthcare, Pharma and wellness. DIIF strives to provide platform to innovative minds and give right directions to channelize their efforts to succeed further with their business idea.

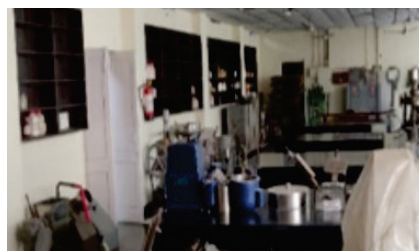


### Advanced Formulations Facility

Advanced formulation lab is well equipped with the modern instruments and equipments required for formulation development of nanoformulations and their in vitro evaluation.

### Formulation development Facility

This facility houses pilot plant for formulation development including machines for manufacturing of tablets, capsules and other dosage forms.



### BIONEST Center

One of the major breakthroughs is the sanction by the BIRAC, DBT a grant of 4.72 Cr for establishment of BIONEST Center for state-of-the-art facility for pharmaceutical formulations and more start up in the field of health sciences.

### Molecular Medicine Lab

A newly established lab with facilities to conduct cell lines, antimicrobial and antiviral testing, diagnosis and research. It has BSL class II facility.



### Animal House

Animal house is an air-conditioned, multi-store facility expanded over area of 1000 sq. ft, which houses a number of experimental animals. Animal house supplies rat/mice/rabbits approved by CPCSEA.

### Clinical Research/BA-BE Facility

DPSRU has an approved facility for proof-of-concept clinical research and BA-BE studies. 12 bedded Witty has all the amenities for conducting clinical studies. DPSRU also have institutional ethics committee.



### Central Instrumentation Laboratory (CIL)

CIL has a complement of various sophisticated equipments to promote interdisciplinary research. The facility caters to the need of cutting edge research in many areas of science and technology.

# IT INFRASTRUCTURE AT UNIVERSITY



*Dr. Meenakshi K Chauhan & Dr. Prabodh C Sharma*

## **INFORMATION TECHNOLOGY CENTRE**

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

Up gradation to 200 Mbps WiFi from earlier 40 Mbps leaseline and networking of entire DPSRU campus has been completed and fully functional. This year 80 more computers have been procured for faculty and researchers and also to establish an upcoming computer center at the university. Information technology centers provide 24x7 access to internet. The Institute has fiber optic network with switch backbone connecting auditorium, Seminar Hall to the main building. The network nodes cover all research laboratories by expanding the network through structured cabling in all the floors/ research labs of the Institution building. Apart from software packages, the peripheral support includes laser Printers, scanners, etc.

Trouble shooting support is also being provided in resolving network and hardware related problems, along with software support for beginners.

It is believed that information is power; while in lieu of this everyone is more attached to means of accessing, processing and storing information as well as securely being able to retrieve the same. However, computers alone cannot realize many educators' vision for technology to improve education. The IT cell of the University has been working with an objective to create a speedy and rapid functioning of various academic activities the administrative work. The necessity of such facilities and activities has further increased in current era of pandemic. The cell is trying to foster the growth of the University by maximizing the usages of Information Technology.

Sincere efforts and initiatives are being undertaken to facilitate our students, faculties, employees, Government and other associated organizations/people to be well informed and updated with latest IT facilities. Several University works related to the automation, Electronic Information Exchange are currently undertaken by the cell, in addition to complete University Websites' functioning such as uploading, unloading of information, etc. The IT Cell also focus on the official E-mail id(s) management of the students, teachers and employees and configuration and maintenance of Learning Management System (LMS). The major achievements/contributions of the IT Cell of DPSRU under taken in recent past are:

- Configuration of properly managed learning management system for the University. Academic interactions among the faculty members and students takes place through

this platform in a proper, well managed and systemic manner. All the records can also be maintained through this platform in an efficient and user-friendly manner.

- Procurement of a suitable platform for the University for conducting online meetings/ classes with higher number of participants simultaneously.
- Facilitation in the procurement of New Computers and new printers in the University.
- Providing internet connections/WIFI hotspots for facilitating the faculty members for taking online classes, practical experimentation and examinations.
- Extension of LAN internet connectivity from DIPSAR building to DPSRU building through laying and installation of Data Fiber network.
- Installation and configuration of WIFI internet connectivity to all the offices and requisite places of Ground Floor of DPSRU New Building. Interlinking of computers of accounts branch through creation of LAN for safe use and effective surveillance by the officers.
- Extension and installation of internet facility including WiFi facility to newly created Centre for Yoga and Meditation on immediate basis.
- Creation and management of institutional e. mail addresses of all the faculty members and officials of the University.
- Creation and management of institutional e. mail addresses of all the students of the University.
- Porting of the institutional e. mails from Webmail platform to the Google Platform.
- Supporting in several institutional activities and providing IT related support in conduct of various online meeting, programmes, workshops, convocation, etc.

## NEW COURSES AS PER VISION 2030



**Prof. Geeta Aggarwal**

DPSRU is introducing new courses for the academic session 2021-22 as per the approval of Academic Council and Board of Governors of University.

The following are the programmes for the academic session 2021-22:

- Executive M. Pharm. in Drug Regulatory Science
- MBA Pharmacy Economic & Trade
- BBA-Community Healthcare
- Bachelor of Medical Laboratory Technology (BMLT)
- Diploma in Medical Laboratory Technology (DMLT)
- B. Pharm. (Ayu) and PG Diploma in Plant tissue culture
- MPT
- M.Sc. (Artificial Intelligence and Precision Medicine)

### **Executive M. Pharm. in Drug Regulatory Science:**

The prime aim of this course is to prepare the candidates for Pharmaceutical world globally by strengthening regulatory skills along with the knowledge enhancement. It provides an opportunity to the candidates to learn about recent developments in regulatory sciences and its application in Pharmaceutical scenario. The programme is the best opportunity for those meritorious candidates who had not been able to complete their masters because of any reason. This would help the candidates to enhance their knowledge by entering the school once again and thereafter serving their organization in a better way.

**Duration of course:** 2 years or more (depending on the passing of modules by the candidate)

**Pattern:** Semester system

**Student intake:** 20

**Eligibility Criteria for Admission:** A candidate seeking admission to First Semester M. Pharm. must have passed:

B. Pharm. Degree examination of an Indian University established by law in India from an institution approved by Pharmacy Council of India and has scored not less than 55 % of the maximum marks\* (Aggregate of II, III and IV yrs./ or III to VIII semesters of B. Pharm.)

Every student, selected for admission to post graduate pharmacy program in any PCI approved institution should have obtained registration with the State Pharmacy Council or should apply for the registration of the same within one month from the date of his/her admission, failing which the admission of the candidate shall be cancelled.

The candidate should be sponsored by their employer (Pharmaceutical industry/government organizations).

Applications of the persons already in government service should be forwarded through proper channel. The forwarding authorities should also certify that the entries in the application have been verified from the records and found correct, and that no disciplinary/vigilance proceedings are either pending or contemplated against the officer as well as no major/minor penalties imposed on the officer during the last ten years or the period of service, whichever is less.

### **MBA- Pharmacy Economic & Trade**

MBA- Pharmacy Economic & Trade is a 2 year Post graduate Program designed to equip

students with essential management skills with a specialist pharma focus on the trade and aspects related to the global economy and challenges. The candidates seeking admission to this course must have a bachelor's degree of Pharmacy. The Masters of Pharmacy Economic & Trade curriculum trains young professionals for decision making positions in pharmaceutical industries by providing a deep understanding of outstanding management capabilities in critical business functions including trade, finance, accounting, economics and marketing. The curriculum is designed to provide high-level problem-solving, analytical, critical thinking and self-reflection skills.

Duration of Course: **2 years**

Pattern: **Semester** system

Student Intake: **20**

**Eligibility:** B. Pharm.

### **BBA-Community Healthcare**

BBA in Community healthcare is a 3-year bachelor degree program that equip students for community-focused care to enhance healthcare services. The curriculum designed in conjunction with academia and health care industry experts provides the opportunities for the students to master new skills and explore varied perspectives in public health care management. The program trains students for evaluating, presenting and researching data related to community healthcare management. The emphasis is on practical knowledge, field visits and personalized learning. The programme gives an opportunity for students to participate in basic, translational, interdisciplinary, community-oriented education and research.

Duration of Course: **3 years**

Pattern: **Semester** system

Student Intake: **40**

Eligibility : **10+2** (PCB, PCM and PCMB)

### **Bachelor of Medical Laboratory Technology (BMLT)**

BMLT or Bachelor of Medical Laboratory Technology aims to provide the students with sufficient knowledge and skills to carry out routine laboratory diagnostic procedures and some sophisticated laboratory diagnostic procedures. These students will be in a position to completely assist in the Biochemistry, Microbiology, Pathology, Virology and blood bank in all types of health delivery systems. The programme also deals with new advances in Management of Laboratories, instrumentation etc. The duration of the course is three years divided into six semesters with University theory and practical examination in each semester. Regular clinical Laboratory posting will be included as a part of curriculum to inculcate practical skills and practice techniques on diagnostic investigations, laboratory responsibility and supervision.

Duration of Course: **3 years** (Including Compulsory internship in accredited laboratory/hospital of 6 months duration)

Pattern: **Semester** system

Student Intake: **60**

Eligibility : **10+2** (PCB, PCM and PCMB)

Provision of Lateral Entry for Diploma holders (DMLT holders)

### **Diploma in Medical Laboratory Technology (DMLT)**

DMLT or Diploma in Medical Laboratory Technology is a 2-year diploma programme which provide skill-oriented training and develop skilled professionals ready to work in hospitals, research laboratories, public & private health facilities and industrial laboratories.

The students will be trained to become Medical Laboratory Technicians who assist physicians in labs and are responsible for performing laboratory investigations relating to diagnosis, treatment of diseases by performing various tests and recording results. The course provides knowledge of diagnostic instruments and procedure and impart required proficiency in handling those instruments to enable these students to work in various laboratory settings.

Duration of Course: **2 years** (Including Compulsory internship in accredited laboratory/hospital of 3 months duration)

Pattern: **Semester** system

Student Intake: **60**

Eligibility : **10+2** (PCB, PCM and PCMB)

### **Bachelor of Pharmacy (Ayurved)-B. Pharm. (Ayu)**

This course trains the individual to become a good manufacturing pharmacist of classical Ayurvedic formulations, a good quality control pharmacist and pharmaceutical technologist. The candidate can also enter into the services of food and drug control administration of the state.

Duration of course: 4 years

**Pattern:** Semester system

**Student Intake: 60**

**Eligibility: 10+2** (PCB, PCM and PCMB)

### **PG Diploma in Plant Tissue Culture:**

Plant Tissue Culture has become an important alternative where any plant species can be cloned and a large number of genetically uniform disease-free plants can be obtained within a short period of time. The technique enables production of plants in a small laboratory space round the year, independent of the season. The

technique has been widely applied for large-scale production of quality plants including fruit plants, ornamentals, plantation crops, tree species, spices and condiments. The demand for tissue culture derived plants has been growing exponentially across the globe. A large number of tissue culture based industries have been engaged in commercial production of selected plant species in India and abroad. There is a huge demand for trained manpower in this sector. The course being offered will train manpower suited to the needs of the industry so that the trained personnel become employable. In addition, the course will also provide advanced training to become an entrepreneur in the said area.

**Duration of course: 1 year**

**Pattern: semester system**

**Eligibility:** The program targets to provide technical training in Plant Tissue Culture (PTC) to rural and urban unemployed youth who is BSc (Agriculture, Botany, Microbiology, Biotechnology), B, Pharm.

### **Master of Physiotherapy**

School of Physiotherapy is going to commence Master of Physiotherapy in different specialties including MPT in Sports Medicine. In addition to Sports Medicine, MPT in Cardio- Pulmonary and Rehabilitation is also proposed. The Program is directed towards exposure to training in Specialty Clinical fields to enhance professional competence in order to fulfil requirement for Physiotherapy Education and Practice.

On completion of the course of study having successfully passed the examination, the candidate would be able to function as a consultant in the respective physiotherapy specialty through knowledge. The candidates may work as a Physiotherapist with various sports teams and sports clubs, Physiotherapists

practice in many settings such as Government Hospitals, Defence medical establishments, Private hospitals, ICU set ups, Private Practice, Outpatient clinics, Health and Wellness clinics, in the rehabilitation Department., centers for the differently abled, schools for the mentally retarded and physically disabled children, Health institutions, in Multinational companies, Academics, Research Analyst in Research Centers, Schools and Private homes. They can also practice in non-patient care roles like health policy, health insurance, and Health care administration and as health care executives. Physiotherapists are also involved in medical legal field serving as expert and performing peer reviews.

**Duration of the course: 2 years**

**Pattern:** Semester system

**Eligibility:** Candidates seeking admission to MPT in any specialty must have the degree of Bachelor of Physiotherapy from a recognized institute or university with a minimum of 55 % in aggregate.

**M.Sc. in Artificial Intelligence and Precision Medicine**

Master of Science (MSc) in Artificial Intelligence and Precision Medicine will provide training in the principles of AI and precision and stratified medicine and the clinical impact of individual molecular and lifestyle variability.

Research, education, employment, and investment has increased significantly in the area of Artificial Intelligence. It has been reported that global investment in AI start-ups grew from €1.2 billion in 2010 to €36.7 billion in 2018. During the COVID-19 crisis, China and the United States have taken a lead in using AI for automated diagnosis, exploring vaccines and treatments, and predicting disease development in society and individuals.

This course aims to train individual in applying concepts of Artificial intelligence in development of pharmaceuticals, diagnostics and precision medicine.

In view of improved understanding of the molecular basis of disease, drug mechanisms and precision medicine in recent past, there is a shortage of qualified persons who are able to translate this knowledge into effective clinical utilization. Hence, this programme has been designed with the aim is to train the future scientists able to fast-track biological and scientific insights into advanced therapies and diagnostic tools.

The MSc course consists of four semesters with subjects varying from basic understanding of AI and Machine learning to understanding genetics and genomic, pharmacology of drug action, precision diagnosis and precision medicine, bioinformatics, drug discovery taught during four semesters. In addition to specialized courses, students have to undertake a research project in the last semester.

After completing the course, a candidate can choose from a range of projects covering areas such as the use of gene expression profiling, proteomics, metabolomics, pharmacogenetics in the biology of diseases such as cancer, cardiovascular disease, infectious diseases, stroke or diabetes. Completing this course will open up a route into Ph.D. research. You may also pursue a career in academia or the pharmaceutical or biotechnology industries, or as a clinical academic.

Duration of course: 2 years

Pattern: **Semester** system

Student Intake: 15

**Eligibility:** Any graduate in Science, Engineering, Pharmacy, Medical Science, Veterinary Science or equivalent

## FACULTY AND STAFF



*Dr. Saurabh Dahiya*

**Prof. Ramesh K. Goyal, Vice Chancellor**

**Dr. O. P. Shukla, Registrar**

**Prof. P.K. Sahoo, Dean Research & Development**

**Prof. Geeta Agarwal, Dean Academics**

**Prof. Rajiv K Tonk, Dean Student Affairs**

### DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH

Prof. Prabhat K. Sahoo, Offcg. Director

#### DEPARTMENT OF PHARMACEUTICS / HOSPITAL PHARMACY

Dr. Prabhat K. Sahoo, Professor

Dr. Deepti Pandita, Professor

Dr. Meenakshi Kanwar Chauhan, Associate  
Professor

Dr Gaurav K Jain, Associate Professor

Mr. Bhag Chand, Lecturer (Sel. Grade)

Dr. Satish Manchanda\* Lecturer

#### **Temporary full-time faculty**

Dr. Beauty Behera

Dr. Mamta Bishnoi

#### DEPARTMENT OF PHARMACEUTICAL CHEMISTRY /QUALITY ASSURANCE

Dr. Dharam Pal Pathak, Professor

Dr. Sharad R. Wakode, Professor

Dr. Saurabh Dahiya, Associate Professor

Mrs. Amrita Parle, Lecturer (Sel. Grade)

Dr. Ramesh B. Bodla, Lecturer (Sr. Scale)

Dr. Sahil Kumar, Assistant Professor

Dr. Himangini\* Lecturer

#### **Temporary full-time faculty**

Dr. Ruhi Ali

#### DEPARTMENT OF PHARMACOLOGY/ CLINICAL RESEARCH

Dr. C R Patil, Professor

Dr. Rajani Mathur, Assistant Professor

Dr. S. Latha, Lecturer (Sr. Scale)

Dr. Sachin Kumar, Assistant Professor

Dr Anoop, Assistant Professor

#### **Temporary part-time faculty**

Dr. Devesh Gupta

Dr. Manoj Sharma

#### DEPARTMENT OF PHARMACOGNOSY

Mrs. Manju Vyas, Associate Professor

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

Dr. Sakshi Bajaj\* Lecturer

#### **Temporary guest faculty (for Non-university exams)**

Mrs. Laxmi Rathore (Computers)

### SCHOOL OF PHARMACEUTICAL SCIENCES

Prof. Harvinder Popli, Director

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

Dr. Harvinder Popli, Professor

Dr. Geeta Aggarwal, Professor

Dr. Sushama Talegaonkar, Associate Professor  
Dr. Madhu Gupta, Associate Professor  
Dr. Minakshi Garg, Associate Professor

**Temporary full-time faculty**

Dr. Madhurima Roy  
Ms. Foziya Zakir  
Ms. Harshita Mishra

**Temporary part-time faculty**

Dr. Varsha Pradhan Mr. Surinder Kumar  
Kamal

**Teaching Assistant**

Ms. Namrata

**DEPARTMENT OF PHARMACOLOGY /  
BIOTECHNOLOGY**

Prof. Ramesh K. Goyal, Vice Chancellor  
Prof. Shyam S Agrawal, National Research  
Professor  
Dr. Mukesh Nandave, Associate Professor  
Dr. Ajit Kumar Thakur, Assistant Professor

**Temporary full-time faculty**

Dr. Aparna Chowdhary

**Temporary part-time faculty**

Dr. Shailendra Asthana

**DEPARTMENT OF PHARMACEUTICAL  
CHEMISTRY /PHARM ANALYSIS**

Dr. Rajiv Kumar Tonk, Professor  
Dr. Prabodh Chander Sharma, Associate  
Professor  
Dr. Priti Jain, Assistant Professor  
Dr. Surajpal Pal Verma, Assistant Professor

**Temporary part-time faculty**

Dr. Radha Sharma

**DEPARTMENT OF PHARMACOGNOSY  
AND PHYTOCHEMISTRY**

Dr. Ajay Sharma, Professor  
Dr. Mahaveer Dhobi, Associate Professor  
Dr. Vijender Kumar, Assistant Professor

**Temporary part-time (for Non-university  
exams)**

Ms. Geeta Naresh (Computers)  
Mr. Manoj (Maths)

**SCHOOL OF ALLIED HEALTH  
SCIENCES**

**Department of Pharmaceutical  
Management / Hospital Management  
/ Public Health**

**Dr. Jaseela Majeed, Associate Professor, Head**

Dr. Puneeta Ajmera, Associate Professor  
Dr. Abhishek Dadhich, Assistant Professor  
Dr. J. Swaminathan, Assistant Professor  
Dr. Sheetal Yadav, Assistant Professor  
Ms. Rakhi Ahuja\*, Assistant Professor

**Temporary full-time faculty**

Mr. Hitesh Sharma

**Temporary part-time faculty**

Ms. Abhilasha Abhay Gupta

**SCHOOL OF PHYSIOTHERAPY**

**Dr. Shilpa Jain (P.T.) Associate Professor, Head**

Dr. Richa H Rai (P.T.) Professor  
Dr. Sheetal Kalra (P.T.) Associate Professor  
Dr. Sapna Dhiman (P.T.)\* Assistant Professor  
Dr. Jyoti Kataria (P.T.)\* Assistant Professor  
Dr. Varsha Chorsiya\* Assistant Professor  
Dr. Parul Sharma (P.T.)\* Assistant Professor  
Dr. Manish Kumar (P.T.)\* Assistant Professor

### **Temporary full-time faculty**

Dr. Madhurima Roy

Dr. Poonam Dhimri

Dr. Saba Abidi

### **Temporary part-time faculty**

Dr. Anil Sabharwal

Dr. Harshvij

Dr. Raqib Ali

Dr. Vikram

Ms. Meena Subhranian

Dr. Prashant Kumar Dr. Shridhar Dwivedi

## **DPSRU INNOVATION AND INCUBATION FOUNDATION**

Prof. Ramesh K. Goyal, Director

Prof. H. Popli, Director

Dr. Geeta Aggraawal, Interim Chief Executive Officer

Mr. Navin Kumar Gaur\* Nodal Officer

Ms. Manjali Goswami\* Assistant Manager (Admin & Opr.)

Mr. Raj Kumar\* Lab Technician

Mr. Yashwant\* MTS

Ms. Rupender\* MTS

## **WORLD CLASS SKILL DEVELOPMENT CENTRE**

Prof. Ramesh K Goyal, Chairperson

Dr. Madhu Gupta, COO

## **YOGA & FITNESS CENTRE**

Sh. C.P. Ray\* Acharya

## **CENTER FOR MEDITATION AND YOGA**

**Dr. Shilpa Jain (P.T.) Honorary Director**

Mr. Amresh Jha, CEO

Mr. Kamlesh Mishra, COO

### **Yoga Instructors (Part time)**

1. RAHUL KUMAR MISHRA

2. Rahul Mishra

3. Satyam Tiwari

4. Ritesh Kumar

5. Surya Prasad Regmi

6. Chandan Kumar Satyarthi

7. Jatin Kumar

8. Ankush Arya

9. Mayank

10. Shalini Jha

11. Jyoti Mittal

12. Bhawna Kalra

13. Hemani

14. Komal Kedia

15. Pratima Dawar

16. Vandana

17. Rekha Rani

18. Shivani

19. Kavita

20. Lokesh Sharma

## **ACADEMY OF SPORTS SCIENCES AND RESEARCH MANAGEMENT**

Mr. Anshul Bagai, Director

Dr. A.K. Uppal, Sr. Professor & Advisor Academics

Mr. Manvendra Pratap Singh Bisht, Head of Development & Marketing Program

Mr. Ravi Shankar, Head of Administration & Faculty

Dr. Gagandeep Kaur, Head of Examination & Faculty

Ms. Amandeep Kaur, Head of Placement & Faculty

Ms. Sonia, Executive Editor of International Journal & Faculty

Mr. Siddhartha Sharma, Head of School reach out Development Program & Faculty

Mr. Baljinder Singh, Faculty

Mr. Kumar Goyal, Research Executive

Mr. Sahil Bhatara, Analyst

Mr. Manish Kumar, Junior Associate- Admission

Mr. Atif Khan, Junior Associate - Placement

Ms. Khushboo, Sr. Executive HR

Mr. Pawan Kumar Pandey, Executive Accounts

Mr. Priyanshu Tyagi, Sr. Admin Executive

Mr. Deepak Kumar, Admin. Executive

### **ADMINISTRATIVE STAFF**

Mr. Ranjit Kumar, Sr. A.O

Mr. Dhruv Arora, A.A.O

Mr. Ankit Goel, Section Officer

Mr. Aditya Kaushik, Section Officer

Mr. Devesh Trivedi, Consultant \*

Mr. Rajesh Rawal, Consultant \*

Mr. Rakesh Chhabra, Consultant \*

Mr. Amresh Kumar Jha, Sr. Consultant (Yoga)\*

Mr. Kamlesh Kumar Mishra, Consultant (Yoga)\*

Mr. Chandra Prakash Ray (Yoga-Instructor)\*

Mrs. Indumathi (Stenographer, Grade-II)

Mr. Trilok Chand (Sr. Asst.)

Mr. Gopal Singh (Sr. Asst.)

Mr. Sandeep (Jr. Asst.)

Mr. Umesh Tomar (Jr. Asst.)

Mr. Kirshan Kumar (EPABX Operator)

Mr. Nishant Kaushik (Jr. Steno)

Mr. Rahul (Dealing Assistant Cum MTS)

Ms. Saroj (UDC)\*

Mr. Rajesh Kumar (MTS Cum Accounts Clerk)

Ms. Pritha Sarkar (PRO)\*

Ms. Lata Dutt (Office Assistant)

Mr. Arun Kumar Sharma (Office Assistant)

Mr. Nitin Chugh (Office Assistant)

Mr. Shresth Bagga (Office Assistant)

Mr. Mohd. Rizwan (Office Assistant)

Mr. Saurav Katwal (Office Assistant)\*

### **COMPUTER STAFF AND DATA ENTRY OPERATORS**

Ms. Jyoti Baisla (Data Entry Operator)

Mr. Pankaj (IT Assistant)\*

Mr. Vikas Yadav (IT Assistant)\*

Mr. Sahil Behl (Data Entry Operator)\*

Ms. Anjali Singh (Data Entry Operator)\*

Mr. Vikram Singh, Data Entry Operator\*

### **LIBRARY STAFF**

Mr. S. Sengupta (Librarian)

Mrs. Yogita Ahuja (Assistant Librarian)

Mrs. Sarita Rani (Library Attendant)

Ms. Namrata (Library Attendant)\*

Ms. Divya Kushwaha (Library Assistant)\*

### **MEDICAL UNIT**

Dr. Priyanka Sonam

Ms. Suhasni D

### **EXAMINATION SECTION**

Dr. Ramchander Khatri, Asst. Controller of Examination

Mr. Hussain Alam, Consultant \*

Mr. Lakshay Dahiya (LDC)\*

Mr. Rohit Singh Naruka (MTS)\*

Mr. Gaurav Kumar (MTS)\*

## LABORATORY STAFF

Mr. Man Singh (Laboratory Assistant)  
Mr. Dharamveer (Laboratory Attendant)  
Mr. Pradeep Kumar (Laboratory Attendant)  
Mr. Ram Narayan (Laboratory Attendant)  
Ms. Bimla Rawat (Store Keeper)\*  
Mr. Denesh (Laboratory Assistant)\*  
Mr. S.K. Sinha (Laboratory Assistant)\*  
Ms. Neeta Rathore (Laboratory Assistant)\*  
Mr. Sujoy Robinson (Laboratory Assistant)\*  
Mr. Mohit (Laboratory Assistant)\*  
Ms. Deepali (Laboratory Assistant)\*  
Mr. Devender Kumar (Laboratory Assistant)\*  
Mr. Ramji Lal (Laboratory Assistant)\*  
Ms. Shalini Pathania- (Laboratory Assistant)\*  
Mr. Avinash Bansal (Laboratory Attendant)\*  
Mr. Jatin Gautam (Laboratory Attendant)\*  
Mohd. Firdos (Laboratory Attendant)\*  
Mr. Ram Kumar- (Laboratory Assistant)\*  
Mr. Amit Mehto (Laboratory Attendant)\*  
Mr. Javed Akhtar (Laboratory Assistant)\*

## OTHER STAFF

Mr. Hemant (Driver)  
Mr. Kaushal Kishor (Driver)\*

Mrs. Pramrata-(Girls Hostel Matron)\*  
Mr. Jithender Shiwach (Boys Hostel Matron)\*  
Mrs. PremLata (Matron)\*  
Mr. Jiledar (Attendant in OPD (Physiotherapy))\*  
Mr. Naresh (OPD Attendant)\*  
Mr. Ranjit Paswan (Guest House Attendant/  
Cook)\*  
Ms. Priyanka Bansal (Servant to Hon'ble VC)\*  
Mr. Naresh Chauhan (MTS)\*  
Mr. Gaurav (MTS)\*  
Mr. Gaurav Kumar (MTS)\*  
Mr. Manish (MTS)\*  
Mr. Deepak (MTS)\*  
Mr. Priyadarshee Pathak (MTS)\*  
Mr. Yogesh Kumar (MTS)\*  
Mr. Jasbir (MTS)\*  
Mr. Sandeep (MTS)\*  
Mr. Rohit Singh Naruka (MTS)  
Mr. Vikas (MTS)\*  
Mr. Sunil Kumar (MTS)\*  
Mr. Sajjan Singh (MTS)\*  
Mrs. Kashish (MTS)\*

**\* Contractual staff**

## NEW STAFF MEMBERS



**Dr. Anoop Kumar**

### **Department of Pharmacology and Clinical Research**

**Dr. C. R. Patil**

**Professor**



Dr. C. R. Patil has joined as Professor of Pharmacology in the Delhi Pharmaceutical Sciences and Research University, New Delhi. He has done his post-graduation from

L. M. College of Pharmacy, Ahmedabad, Gujarat and PhD from Shivaji University, Maharashtra. He has more than 21 years of teaching and research experience. He has been involved in the development of computer-based simulations to teach experimental Pharmacology. His software package is widely acclaimed and is available as animal simulator published by Reed-Eslevier Pvt. Ltd. He has one patent related to an herbal medicine for treating arthritis to his credit and 3 of his patents are under examination. He has published more than 75 research and review articles in the reputed scientific journals and 4 topics in different books published by international publishers like Springer Nature and CRC publishers. Dr. Patil has been awarded with national level awards like 'Innovator Teacher Award -2018' under the PMMMTT Scheme of MHRD, 'Young Scientist Award' from CCRH, Ministry of AYUSH, Government of India. He has also received two international awards at the 6th and 7th World Congress on Alternatives to Experimental Animals in Life Sciences at Tokyo, Japan and Rome, Italy in year 2007 and 2009.

His research area includes evaluation of natural and synthetic compounds for their effects of

inflammatory pathways in different diseases like cancer. He has explored the chemo preventive effects of multiple compounds against the chemotherapy-induced heart, kidney and urinary bladder damage. He has also undergone extensive training in the field of educational technology. Dr. C. R. Patil can be contacted at [crpatil@dpsru.edu.in](mailto:crpatil@dpsru.edu.in).

**Dr. Anoop Kumar**

**Assistant Professor**



Dr. Anoop Kumar has joined as Assistant Professor in Department of Pharmacology and Clinical Research, Delhi Pharmaceutical Sciences & Research

University (DPSRU), New Delhi, India. He has 2 years of Industrial experience at Sun Pharmaceutical Industries Limited, Gurugram, Cipla Pharmaceutical Limited Baddi and 4 years of teaching experience at National Institute of Pharmaceutical Education and Research (NIPER), Raebareli and Indo-Soviet Friendship College of Pharmacy (ISFCP), Moga, Punjab. He has also worked as research scientist at Translational Health Science Institute (THSTI), Faridabad, India. He has completed his Master from Jamia Hamdarad University, Delhi and PhD from Birla Institute of Technology, Mesra, Ranchi as a DST INSPIRE fellow. Currently, he is an expert member of Board of studies of Clinical Research Programme of IKGPTU, Jalandhar, Punjab (2019-2021) and Drug Discovery Hackathon 2020 joint initiative of AICTE, CSIR, and Govt. of India. He has authored more than

50 research and review articles and 10 book chapters in International Journal of repute. He has also received funding for project related to COVID-19 from IIT-Delhi. He has guided 25 Postgraduate research students. He has also filed 02 provisional patents. He is an author of 02 books. He has also worked as Member Secretary of Institutional Animal Ethic Committee (IAEC), member of Human Ethic Committee (HEC) and coordinator of ADR monitoring center of ISFCP, Moga. His research interests are in the following areas: 1) Drug repurposing 2) Meta-analysis 3) Risk and benefit analysis of drugs 4) Pharmacoeconomic studies. Dr. Anoop Kumar can be contacted at [anoopniper@gmail.com](mailto:anoopniper@gmail.com)

### **Department of Pharmacognosy and Phytochemistry**

#### **Dr. Vijender Kumar**

##### **Assistant Professor**



Dr. Vijender Kumar has joined as Assistant Professor, Department of Pharmacognosy and Phytochemistry, Delhi Pharmaceutical Sciences and Research University, New Delhi. His current area of research is standardization of plant drugs, extraction, bioactivity guided fractionation & Isolation of Phytoconstituents, formulation development and evaluation of botanical drugs. He has done Doctorate from Department of Pharmaceutical Sciences, University of Kashmir, Srinagar. He has more than 11 yrs. of teaching and research experience. He has been awarded Senior Research Fellowship from Central Scientific and Industrial Research, Government of India and University Research Scholarship during his studies. He is also received International travel grants from INSA,

CSIR and DST for research presentations in abroad (visited-Sri Lanka, Malayisa and Thialand). He has published more than 32 research articles in peer reviewed journals of National and International repute. He is life member of various professional bodies of India like APTI, IPGA etc. He is approved subject expert and evaluator for UG and PG (Pharmacognosy) examinations by various Indian Universities. He has past experience as Head of Department of Pharmacognosy at UIPSR, BFUHS

### **Department of Pharmaceutical Chemistry**

#### **Dr. Sahil Kumar**

##### **Assistant Professor**



Dr. Sahil Kumar has joined as Assistant Professor at Department of Pharmaceutical Chemistry in Delhi Institute of Pharmaceutical Sciences and Research, Delhi Pharmaceutical Sciences & Research University, New Delhi. He has done Ph.D. in Pharmaceutical Sciences and has more than 9 years of teaching and research experience. He is gold medalist in Pharmaceutical Chemistry at post-graduation level. He has published more than 45 research papers and review articles in many reputed national and international journals. He has presented papers in many national and international conferences. He has filed one Indian patent. He has contributed a book on computer aided drug design for B. Pharmacy 8<sup>th</sup> Semester as per new PCI scheme and syllabus. He has been recipient of award of DST-INSPIRE fellowship and 08 best paper awards at national and international conferences. He is active researcher in the field of Pharmaceutical Chemistry, Computer Aided Drug Design, Polymer Chemistry & Technology and Chemical Drug Delivery. His thrust area of research includes design, synthesis, characterization

and biological evaluation of novel medicinal molecules and polymeric prodrug design and synthesis for targeted drug delivery. He has guided many post graduate students. He can be contacted at [sahil.mehta187@gmail.com](mailto:sahil.mehta187@gmail.com).

### **Dr. Priti Jain**

#### **Assistant Professor**



Dr Priti Jain has joined as Assistant Professor with Department of Pharmaceutical Chemistry, School of Pharmaceutical Sciences, Delhi

Pharmaceutical Sciences and Research University, New Delhi, India. Dr. Jain has completed her PhD from Birla Institute of Technology and Science, Pilani in the area of Computational and Medicinal Chemistry. She has 2 years of industrial experience at Glenmark Research Centre, Navi Mumbai and 11 years of teaching experience (8 years at BITS-Pilani and 3 years at RCPIPER, Shirpur). To her credit are more than 30 research articles in peer reviewed journals of national and international repute. She also has to her credit a book (Alzheimer's disease and Artificial Intelligence) and two book chapters. She has also been awarded with CSIR-post doc research associateship.

Her research area includes computational and synthetic chemistry of Anti-Alzheimer's agents, Anti-HIV agents and other novel targets, DFT calculations, Analytical method development and validation. She may be contacted at [priti\\_jain@dpsru.edu.in](mailto:priti_jain@dpsru.edu.in).

### **Dr. Surajpal Verma**

#### **Assistant Professor**



Dr. Surajpal Verma has joined as Assistant Professor, Department of Pharmaceutical Chemistry, School of Pharmaceutical Sciences, Delhi Pharmaceutical

Sciences & Research University (DPSRU), New Delhi, India. He has done PhD from Faculty of Pharmacy, Jamia Hamdard, New Delhi, India. He has more than 10 years of teaching, research and industry experience. He has published more than 52 research and review articles in peer reviewed journals of international and national repute. He has filed 8 Indian patents. He has guided more than 24 PG and 2 PhD research scholars. His research area includes novel gel, tablet, nano-formulation and other types of formulation development, analytical method development and validation on HPLC, GC-MS/MS and HPTLC instruments for allopathic, ayurvedic and herbal formulations.

## RESEARCH INTERESTS OF FACULTY



*Prof. S. R. Wakode & Prof. C. R. Patil*

<b>DELHI PHARMACEUTICAL SCIENCES AND RESEARCH UNIVERSITY</b>		
<b>Research Areas of Faculty Members of the University</b>		
<b>1</b>	<b>Prof. Ramesh K. Goyal Vice Chancellor</b>	Biomarker based new drug discovery and development of herbal products, phytopharmaceutical drugs. Development of new drugs through 505b(2) pathway. Clinical research including Pharmacovigilance. Specific are: Diabetes, Cardiovascular complications, inflammatory disorders and a viral disease COVID.
<b>DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH</b>		
<b>1</b>	<b>Dr. Prabhat K. Sahoo Professor &amp; Director (Offg.)</b>	Development of Nano particle based topical formulations for management of Psoriasis. Formulation of novel dosage forms for enhanced bioavailability and patient compliance.
<b>DEPARTMENT OF PHARMACEUTICS / HOSPITAL PHARMACY</b>		
<b>1</b>	<b>Dr. Deepti Pandita Professor</b>	Nanomedicine & Nanotheranostics, Bioconjugates, Stem Cell Research for Tissue Engineering, Drug Discovery & Repurposing, 3D Printing for Personalized & Precision Medicine, Targeted Phytochemicals Delivery
<b>2</b>	<b>Dr. Meenakshi Kanwar Chauhan Associate Professor</b>	Vesicular/particulate drug delivery for improved bio-pharmaceutical performance through topical and oral routes. Ophthalmic drug delivery system. Formulation approaches to improve ocular bioavailability of drugs. Protein/peptide drug delivery technology.
<b>3</b>	<b>Dr. Gaurav Kumar Jain, Associate Professor</b>	Development of nanotechnology-based drug delivery systems, Ocular and Dermal drug targeting, Industrial pharmacy, Product development, Translational research, Gamma scintigraphy and Clinical studies.
<b>4</b>	<b>Mr. Bhag Chand Lecturer (Sel. Grade-II)</b>	Pharmaceutical dosage forms and delivery systems.
<b>5</b>	<b>Dr. Satish Manchanda* Lecturer</b>	Particulate Drug Delivery, Nano- drug delivery, ocular drugdelivery, topical drug delivery, solubility enhancement, HPLC method development, etc.
<b>DEPARTMENT OF PHARMACEUTICAL CHEMISTRY /QUALITY ASSURANCE</b>		
<b>1</b>	<b>Dr. Dharam Pal Pathak Professor</b>	Drug design, synthesis and pharmacological evaluation of fatty acid derivatives, oxadiazole, and benzthiazole derivatives. Chemical, biological, radiological and nuclear decontamination and mitigation in case of emergencies.
<b>2</b>	<b>Dr. Sharad R. Wakode Professor</b>	Synthesis and development of new medicinal heterocyclic scaffold and investigation of biological activities such as antiviral, anti-inflammatory, anti-diabetic, anti-Alzheimer. Analytical method development, stability studies and validation of newer finished products and formulations. Photochemical investigations for the isolation, purification and characterization of its chemical constituents from selected Medicinal plants and screening for their Biological activity

3	<b>Dr. Saurabh Dahiya</b> <b>Associate Professor</b>	Analytical assays, validation, synthesis and development of target specific dosage forms including radiopharmaceuticals, analytical profiling of pharmaceutical formulations, and clinical research on life-style diseases.
4	<b>Mrs. Amrita Parle</b> <b>Lecturer (Sel. Grade-II)</b>	Planning, designing, synthesizing, characterizing and screening of novel compounds. Development and validation of analytical methods like Reverse HPLC, HPTLC, UV, LC/MS-MS for Drug molecules. Pharmacovigilance
5	<b>Dr. Ramesh B. Bodla</b> <b>Lecturer (Sr. Scale)</b>	HPLC Method development and validation of Drug and their combinations in formulations and APIs. Quality assessment and Quality control of drugs and Phytochemicals. Plant tissue culture studies of static and cell suspension cultures using Elicitors and Bioprecursors for the Bio Production of secondary metabolites. Synthetic Medicinal Chemistry for potential drug molecules or drug analogs and their Biological screening.
6	<b>Dr. Sahil Kumar</b> <b>Assistant Professor</b>	Design, synthesis, characterization and biological evaluation of novel medicinal molecules and polymeric prodrug design and synthesis for targeted drug delivery for cancer and infectious diseases
7	<b>Dr. Himangini*</b> <b>Lecturer</b>	Design, Synthesis and characterization of new heterocyclic compounds with their biological effects. Standardization, isolation and characterization of herbal drugs.

#### **DEPARTMENT OF PHARMACOLOGY AND CLINICAL RESEARCH**

1	<b>Dr. C. R. Patil</b> <b>Professor</b>	Pharmacological screening of drugs acting on inflammatory pathways in different disease processes including arthritis, psoriasis, and metabolic disorders. Evaluation of chemopreventive effects of natural and synthetic agents. Development of modern pedagogy-based teaching aids.
2	<b>Dr. Rajani Mathur</b> <b>Assistant Professor</b>	Metabolic disorders and its complications. Pharmacological Screening of potential drugs for cardioprotective effects, ocular therapeutics, molecular mechanisms of metabolic disorders.
3	<b>Dr. S. Latha Lecturer</b> <b>(Sr. Scale)</b>	Pharmacological Screening of Anti-angiogenic herbal drugs and their isolated compound. Neuroprotective effect of herbal extract and isolated compound.
4	<b>Dr. Sachin Kumar</b> <b>Assistant Professor</b>	Screening of novel molecules from natural resources and synthetic chemistry that could developed into a strategy for the treatment of inflammation, cancer and neuropharmacological disorders.
5	<b>Anoop Kumar</b> <b>Assistant Professor</b>	Repurposing of drugs using computational, In-vitro and In-vivo techniques, toxicity studies, meta-analysis of clinical trials, observational studies, Pharmacovigilance and Pharmacoeconomic studies

#### **DEPARTMENT OF PHARMACOGNOSY**

1	<b>Mrs. Manju Vyas</b> <b>Associate Professor</b>	Evaluation of Different biological activities of medicinal plants.
2	<b>Mr. Pratap N. Raju</b> <b>Lecturer (Sel. Grade-II)</b>	Standardization of phytochemical and their biological studies.

3	<b>Dr. Sakshi Bajaj</b> Lecturer	Studies and researches into medicinal constituents of plant, involve qualitative and quantitative analysis. Also desired active metabolites to be isolated, characterized and studied as interested lead compound.
<b>SCHOOL OF PHARMACEUTICAL SCIENCES</b>		
1	<b>Dr. Harvinder Popli</b> Professor & Director	Application of Nanotechnology and Phytopharmaceuticals for development of differentiated drug Delivery Systems for Systemic delivery, Cosmetology. Regulatory policies for impurity profiling, Medical Devices, IVD and Biologicals. Health economics and role / applications of AI in Healthcare.
<b>DEPARTMENT OF PHARMACEUTICS / INDUSTRIAL PHARMACY/ COSMECEUTICS / DRUG REGULATORY AFFAIRS</b>		
1	<b>Dr. Geeta Aggarwal</b> Professor & Dean (AA)	Product development and translational research using nanocarriers for drug targeting, Transdermal and Topical drug delivery, Exploitation of natural polymers and lipids for enhancement of bioavailability of drugs, Nutraceuticals using phytoconstituents, Validation for temperature-controlled packaging materials
2	<b>Dr. Sushama Talegaonkar</b> Associate Professor	Design, Development and evaluation of wide variety of smart and intelligent nano drug delivery systems (Bioinspired nanoparticles, Nano- vesicular systems, Self-emulsifying drug delivery systems ) for biomedical applications, targeted drug delivery and treatment of various topical and chronic afflictions.
3	<b>Dr. Madhu Gupta</b> Associate Professor	Pharmaceutical Nanotechnology and targeted drug delivery for magical molecule delivery, ligands for targeting of bioactives, polymers. Nanoformulations development in the area of cancer, wound healing, fungal infection psoriasis, and many more.
4	<b>Dr. Minakshi Garg</b> Associate Professor	Parenteral formulation development (liquid & lyophilized) along with global regulatory filing, development and characterization of stabilized liposomal drug delivery systems and solubility enhancement of poorly aqueous soluble drugs.
<b>DEPARTMENT OF PHARMACEUTICAL CHEMISTRY / PHARMACEUTICAL ANALYSIS</b>		
1	<b>Dr. Rajiv Kumar Tonk</b> Professor & Dean (SA)	Designing, synthesizing, and characterization of new chemical entities incorporating heterocyclic scaffolds as potential antimicrobial, anti-inflammatory (COX-1, COX-2 and ITK inhibitors), Anti-Alzheimer, Anticancer and Antiviral agents. Development and validation of analytical methods for drugs and drug formulations.
2	<b>Dr. Prabodh C Sharma</b> Associate Professor	Design, synthesis, characterization and biological evaluation of small heterocyclic compounds as possible anti-infective and anticancer agents.
3	<b>Dr. Priti Jain</b> Assistant Professor	Computer aided drug design (docking and molecular dynamics) and synthesis of novel inhibitors as Anti-Alzheimer's agents, Anti-HIV agents. Analytical method development and validation
4	<b>Dr. Surajpal Verma</b> Assistant Professor	Design, synthesis, characterization and biological evaluation of small molecular compounds

**DEPARTMENT OF PHARMACOLOGY / BIOTECHNOLOGY**

<b>1</b>	<b>Prof. Shyam S Agrawal National Research Professor</b>	Drug Discovery, drug Development and conducting preclinical and clinical (BA/BE studies) trials in the area of antifertility, oncology, cosmetovigilance and herbogvigilance. Study of oral contraceptives and antiovolatory agents in rats. Screening for estrogenic and antiestrogenic activities of herbs and herbal formulation from Dabur Research foundation.
<b>2</b>	<b>Dr. Mukesh Nandave, Associate Professor</b>	Research on the role of use of nutraceuticals, herbomineral formulations, plant extracts & constituents in Myocardial ischemia & reperfusion injury, Diabetes, Obesity and Metabolic syndrome. Effects of Sirtuin1 (Sirt1) activation in ageing-related cardiovascular diseases
<b>3</b>	<b>Dr. Ajit Kumar Thakur Assistant Professor</b>	Neuropharmacology & psychopharmacology with specific reference to investigation of neurotransmitters and biomarkers in CNS co-morbidity associated with metabolic disorders & stress. Ultimate goal of research efforts is to discover therapeutic hits and leads suitable for drug development purpose, or for better standardization of therapeutically used herbal extracts/isolated phytoconstituent(s).

**DEPARTMENT OF PHARMACOGNOSY AND PHYTOCHEMISTRY**

<b>1</b>	<b>Dr. Ajay Sharma Professor</b>	Drug discovery and development from natural sources, Ethnopharmacology, Natural product chemistry, Metabolomics, Plant Biotechnology, Bioactivity guided fractionation and Bioconversions.
<b>2</b>	<b>Dr. Mahaveer Dhobi Associate Professor</b>	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, their isolates for CNS related disorder and infectious disease.
<b>3</b>	<b>Dr. Vijender Kumar Assistant Professor</b>	Standardization of herbal drugs, Bioactivity guided fractionation and isolation of Phytoconstituents, Evidence based inspired phytodrug development, Translational research aspects of medicinal plants, Highthroughputscreeningofbotanicals, Developmentandevaluation of nutraceutical and dietary supplements, Scientific validation and development of safe & efficacious phytopharmaceuticals

**SCHOOL OF ALLIED HEALTH SCIENCES****Department of Pharmaceutical Management / Hospital Management / Public Health**

<b>1</b>	<b>Dr. Jaseela Majeed Associate Professor</b>	Health care Management, Quality Systems and Compliance, Human Resource Management, Commercial Drug Development, Analytical Method Development and Validation of Newer Drugs and formulations.
<b>2</b>	<b>Dr. Puneeta Ajmera Associate Professor</b>	Maternal and Child health, Globalization of healthcare, Industry 4.0 in healthcare, lean management in healthcare, Decision making in healthcare using MADM & Structural modelling techniques like ISM, TISM
<b>3</b>	<b>Dr. Abhishek Dadhich Assistant Professor</b>	Pharmaceutical Marketing, Consumer Behavior, Quality Assurance in Healthcare and Pharmaceutical Supply Chain Management

4	<b>Dr. J. Swaminathan Assistant Professor</b>	Rural Health, Urban Health Development, e-Healthcare Systems. Analytical Method Development and Validation for Newer Drugs, Application of Quality by Design for formulation development of drugs, Hepatoprotective, Anti-ulcer, Analgesics, and anti-inflammatory activity in herbal drugs.
5	<b>Dr. Sheetal Yadav Assistant Professor</b>	Telemedicine, Quality Management in Hospitals and Healthcare including Patient Safety, Accreditation, Six Sigma Methodology & Lean Management; and Maternal Health
6	<b>Ms. Rakhi Ahuja* Assistant Professor</b>	Increasing role of artificial Intelligence and Digitization in Healthcare, e-Health, Increasing dependence on m-health apps, Virtual healthcare and Tele health, Universal Health Coverage, AI in pharmaceutical Marketing and Supply Chain, Concept of IoMT
<b>SCHOOL OF PHYSIOTHERAPY</b>		
1	<b>Dr. Richa H Rai (P.T.) Professor</b>	Her key areas of research interest have been a milieu of ICU care, Preventive Cardiology and Rehabilitation along with Conception and Implementation of Respiratory care, application of Diverse Clinical Physiotherapy skills and Exercise Protocol in Community Health Care, besides being a continuous learner and a passionate teacher
2	<b>Dr. Shilpa Jain (P.T.) Associate Professor</b>	Pain Management, Biomechanical disturbances, Sports Injury Management
3	<b>Dr. Sheetal Kalra (P.T.) Associate Professor</b>	Sports rehabilitation, sports biomechanics, physical fitness, women health, Physical activity and exercises in Non communicable diseases
4	<b>Dr. Sapna Dhiman (P.T.)* Assistant Professor</b>	Motor Control and Motor Learning for Pediatric group (Cerebral Palsy, Autism Spectrum Disorders, Developmental disorders etc.) with specific reference to Posture, Balance, Trunk control and activities of daily living. Evaluate abnormal blocks to development of the children with special needs and emphasize on normal development. Evaluate caregiver burden of children with special needs and design strategies for the same.
5	<b>Dr. Jyoti Kataria (P.T.)* Assistant Professor</b>	Biomechanics and Pathomechanics of Scapular Alterations. Latest Advancements in scapula pathologies rehabilitation, Foot Mechanics and its components, Core muscle relationship, Pilates and ergonomics, Sports Patho- Mechanics and its relationship.
6	<b>Dr. Varsha Chorsiya* Assistant Professor</b>	Biomechanics, Human Factors and Industrial Ergonomics, Environmental Health, Women Health, Occupational Health & Safety, Physiotherapeutic & Rehabilitation and Geriatrics.
7	<b>Dr. Parul Sharma(P.T.)* Assistant Professor</b>	Efficacy & formulation a new iontophoretic gel on pain, function, quality of sleep & walking speed of knee osteoarthritic patients.
8	<b>Dr Manish Kumar (P.T.)* Assistant Professor</b>	Cause-Effect-Relationships of different Applied Manual Physiotherapy Approaches both Neurotherapeutic and Musculoskeletal techniques and Pilates Management Strategies. Disability evaluation process and Rehabilitation including role of various Prosthetics and Orthotics. Biomechanical Analysis of different Kinematic Chains of the Human Body, its influence by weight gain and in developing methods to analyse, evaluate different interventions which can be incorporated to rectify these poor mechanics of the human body.

## PUBLICATIONS & PATENTS

**Dr. Sushama Talegaonkar and Dr. Satish Manchanda**

The DPSRU faculty remained active during the academic session of 2020-21 in spite of the impact of COVID-19. This is evident from the impressive list of publications by the faculty members in diversified fields. In total, 174 publications were done in 2020-21 academic session. This includes 153 articles (research as well as review) in journals of repute, with one article published in the journal with impact factor 9.38. Besides this, 11 book chapters in the books published by International publishers (such as Elsevier, Springer Nature, Willey) and 10 books with international and national publication houses were published. Further out of 5 patents, 2 patents (one National and one International) were granted and three Indian patents were filed

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2. Goyal RK, Parikh RK, Patel MM. Merchant and Goyal's A Text Book of Hospital Pharmacy. 18th ed. Ahmedabad: B. S. Shah Prakashan; 2020-21
3. Goyal RK, Patel BM, Jain S. Physiology for Physiotherapy. 1st Ed. Ahmedabad: B. S. Shah Prakashan; 2021
4. Jha, A Mishra. K. Foundation Course: Yoga and Meditation (Student Manual) 2021
5. Jha, A Mishra. K. Gupta A Foundation Course: Yoga and Meditation (Teachers Manual) 2021
6. Kumar A, Sharma R. Global Pharmacovigilance: Case reporting to Aggregate reporting. First edition. New Delhi: CBS Publishers and Distributors Pvt Ltd; 2021.
7. Rai RH. Exercise Therapy Made Easy. Guiding principles. 1st Ed. New Delhi: New Delhi: Bluerose Publishers; 2020
8. Sharma N, Ojha H, Raghav PK, Goyal RK. Chemoinformatics and Bioinformatics in the Pharmaceutical Sciences. UK: Elsevier Academic Press; 2021

9. Talegaonkar S, Rai M. Nanoformulations in Human Health: Challenges and Approaches. 1st Ed. Switzerland: Springer Nature; 2020.
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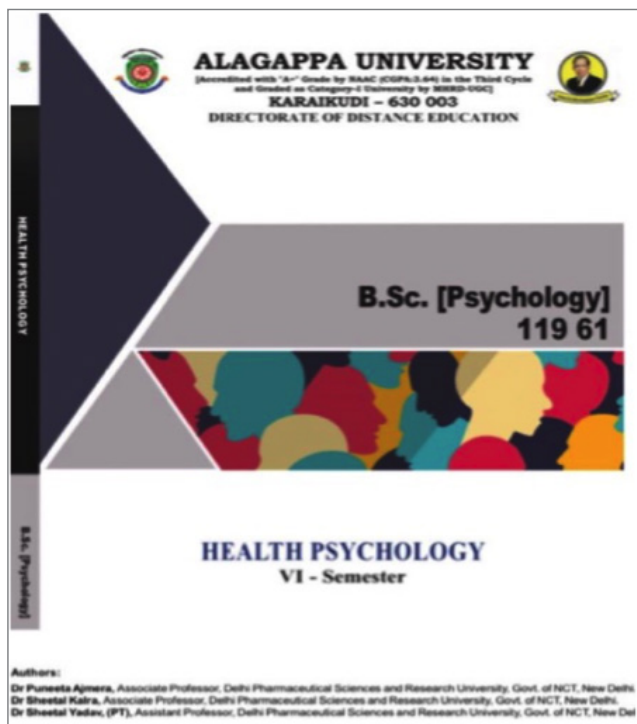
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## BOOKS REVIEW

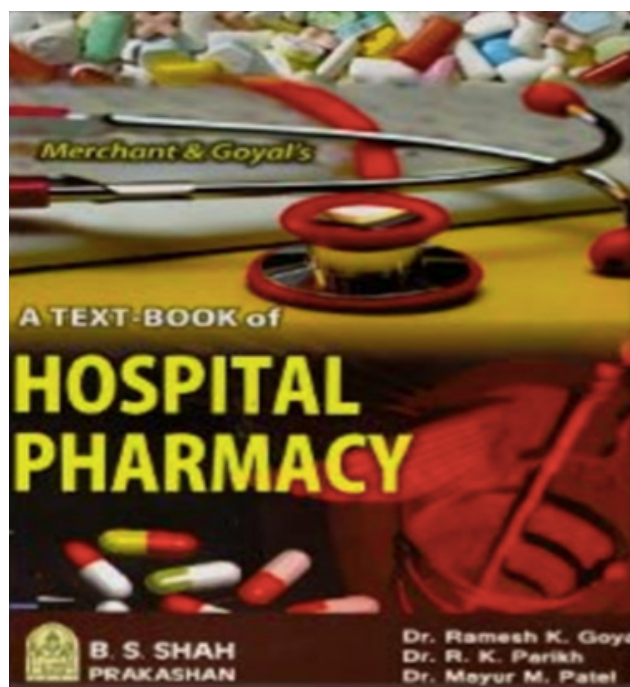
1. Ajmera P, Kalra S, Yadav S. Health Psychology. 1st ed. New Delhi: Vikas Publishing House Pvt Ltd; 2021



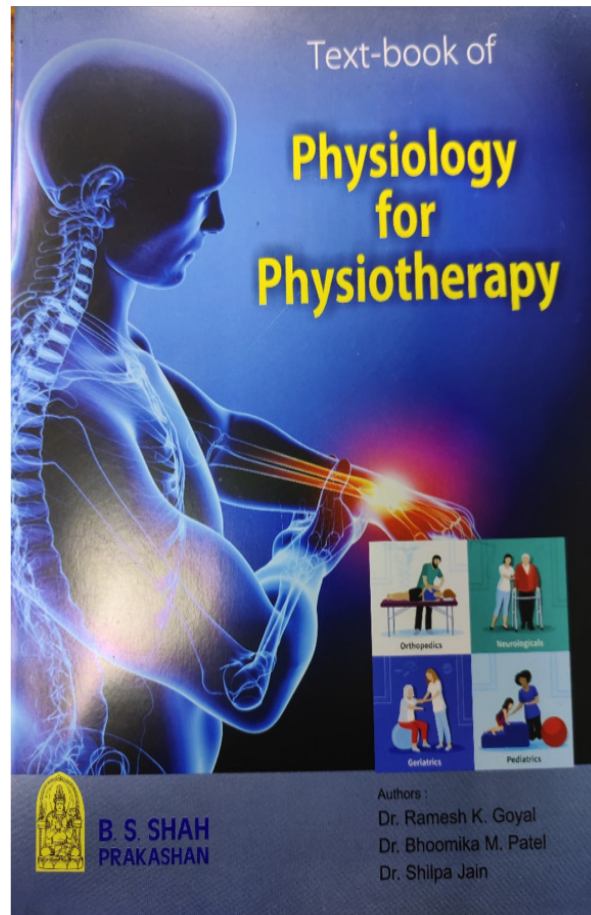
Health psychology is an expanding area in terms of teaching, research and practice. It focuses on the indirect pathway between psychology and health which emphasizes the role that beliefs and behaviours play in health and illness. This textbook is prepared for B.Sc. (Psychology) students of Alagappa University. It aims to provide a comprehensive introduction to the main topics of health psychology and illustrate how different sets of beliefs relate to behaviours and how these factors are associated with illness. The textbook has highlighted a range of assumptions within health psychology and outlined the theories relating to stress, pain and health behaviours.

2. Goyal RK, Parikh RK, Patel MM. Merchant and Goyal's A Text Book of Hospital Pharmacy. 18th ed. Ahmedabad: B. S. Shah Prakashan; 2020-21

The eighteenth edition of this book has been revised and attempts have been made to incorporate details to make this book useful to degree students (B.Pharm). The first part of this book describes various hospital services. A picture of hospital pharmacy practised in developed countries like the U.S.A. and U. K. was given at different places in the first edition. Later, we have revised the text to illustrate Scenario of Indian Hospitals. The topics of clinical pharmacy relevant to hospital pharmacy have also been discussed in this book.



- 3 Goyal RK, Patel BM, Jain S. Physiology for Physiotherapy. 1st Ed. Ahmedabad: B. S. Shah Prakashan; 2021



Physiotherapy is a health care profession concerned with human function and movement and maximising physical potential within the spheres of promotion, prevention, treatment /intervention, rehabilitation and thereby, maintain physical, psychological and social well-being, taking into account variations in health status.

For any medical or health sciences, base is built from Anatomy and Physiology. Although to understand basic anatomy and physiology, several books have been published from various parts of the world, a text book tailor made for the students of In fact, at most places, Physiotherapy is mostly one of the departments only within a medical college and hence, the books of physiology written for medical students are used by the students. It is felt that the physiotherapy and occupational therapy students need a little different approach. They have to learn in context with movements and associated physiological activities. The present book has been written considering these aspects. The basis of the book has been the 'Elements of Human Anatomy Physiology and Health Education', first published in 1974 and from then 30 editions have been printed with over 1 Lakh copies in and still a popular book for over 45 years in various allied health science students. The book's Editor in Chief, Prof. Ramesh K. Goyal has played an incredible role in making out the structure of the book. The book has been co-authored by Dr. Bhoomika M. Patel and Dr. Shilpa Jain.

4. Jha, A Mishra. K. Foundation Course: Yoga and Meditation (Student Manual) 2021



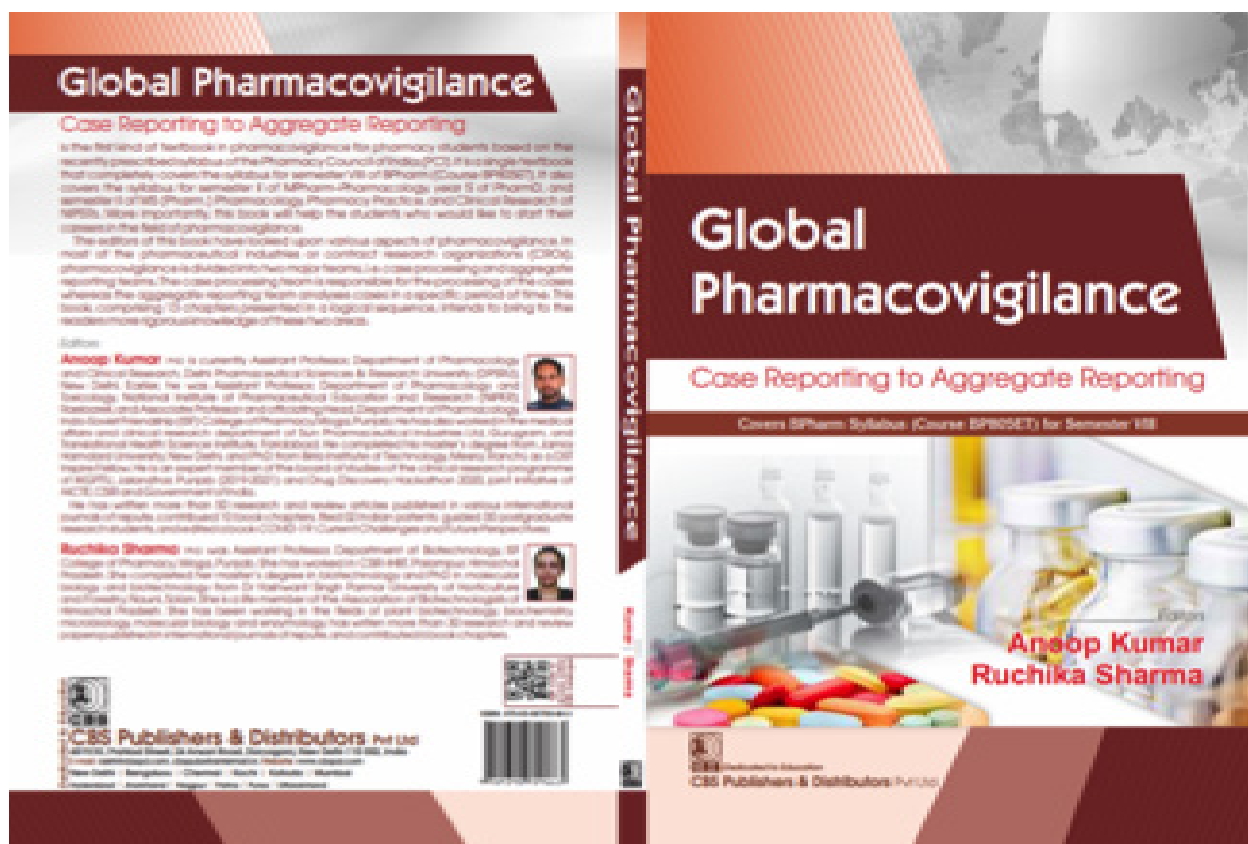
The book has been authored by Sh. Amresh Jha, Sh. Kamlesh Mishra. The manual of the foundation Course in Yoga has been designed for the students of Diploma in Meditationa and Yoga Sciences, in such a simple Hindi language keeping in the mind about the basic eligibility criteria of the candidates. The book is very simple to read and understand with the pictorial presentation of all yogic postures. The book has been authored by Sh. Amresh Jha, Sh. Kamlesh Mishra.

5. Jha, A Mishra. K. Gupta A Foundation Course: Yoga and Meditation (Teachers Manual) 2021



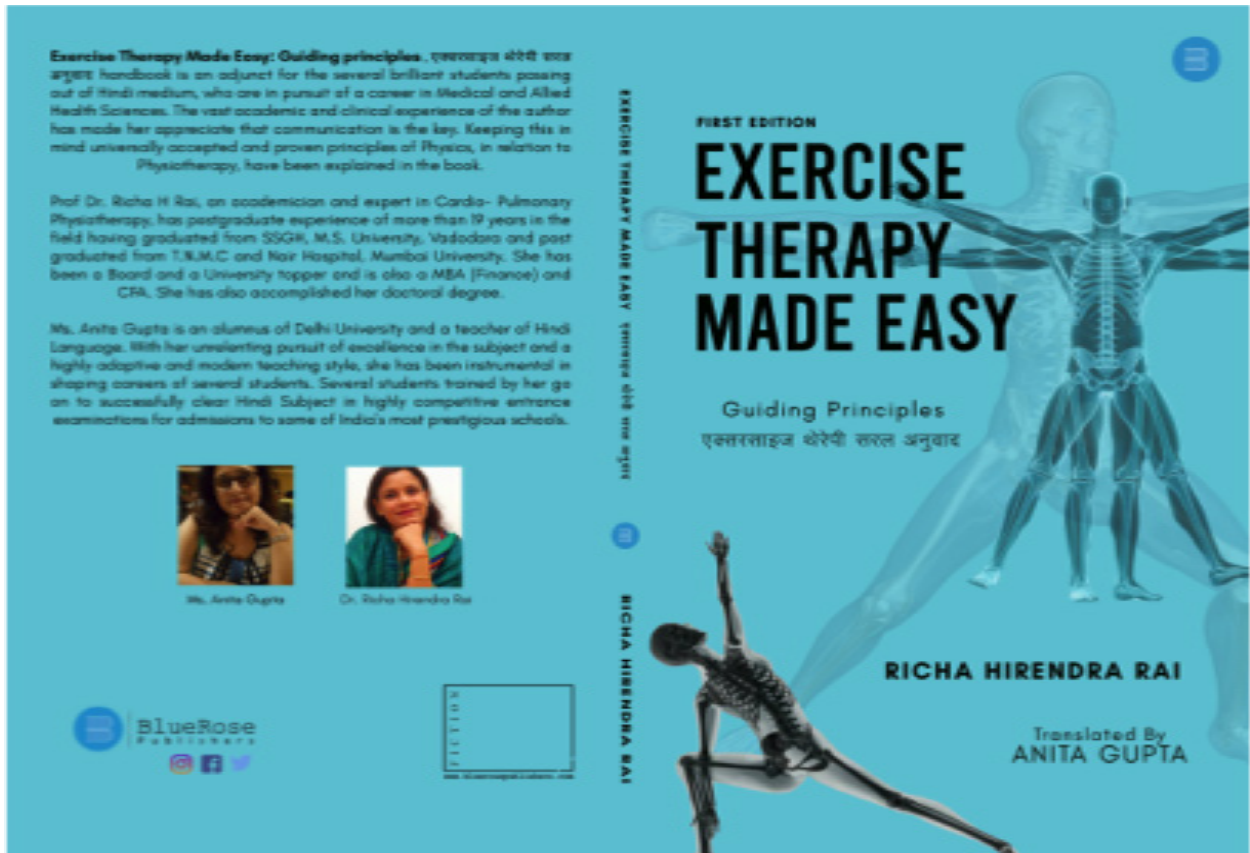
The manual of the foundation Course in Yoga has been designed for the Yoga teachers of Diploma in Meditationa and Yoga Sciences. The manual has been compiled with all series and sequences of the day to day activities, to be taught to the students. The manual has been compiled by Sh. Amresh Jha, Sh. Kamlesh Mishra and Ms. Alisha Gupta.

6. Kumar A, Sharma R. Global Pharmacovigilance: Case reporting to Aggregate reporting. First edition. New Delhi: CBS Publishers and Distributors Pvt Ltd; 2021. ISBN: 978-93-90709-66-3



The editors of this book have looked upon various aspects of pharmacovigilance (PVG). In most of the pharmaceutical industries or contract research organizations (CROs), the PVG is divided into two major teams, i.e. case processing and aggregate reporting team. The case processing team is responsible for the processing of the cases whereas the aggregate reporting team analyses cases in a specific period of time. This book intends to bring more rigorous knowledge of these two areas.

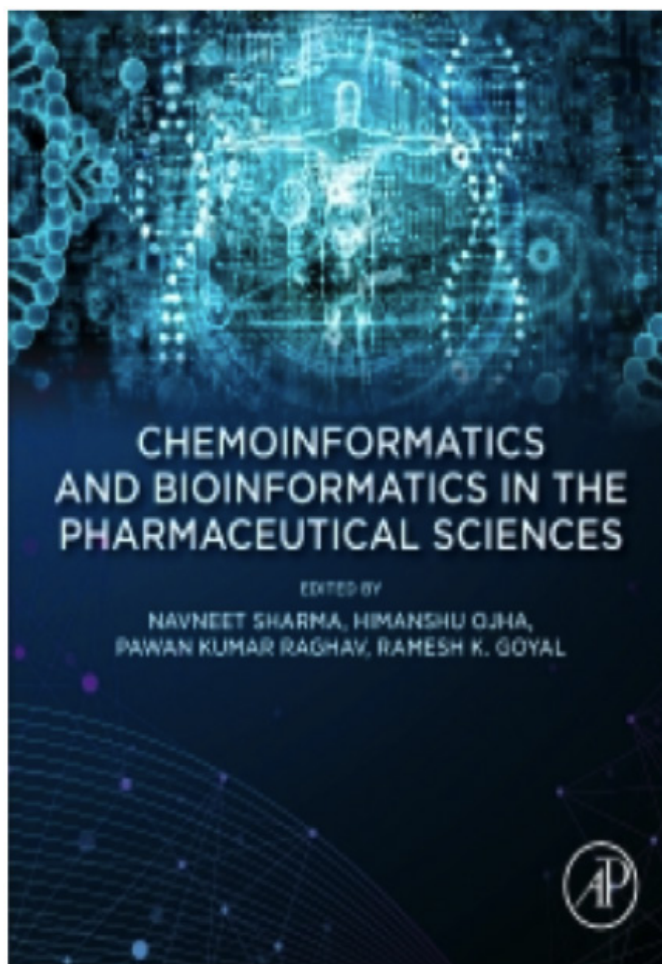
7. Rai RH. Exercise Therapy Made Easy. Guiding principles एक्सरसाइज थेरेपी सरल अनुवाद 1st Ed. New Delhi: New Delhi: Bluerose Publishers; 2020



Prof Dr Richa H Rai has made an attempt to translate a medical book into regional language in line with the NEP 2020.

Exercise Therapy Made Easy: Guiding principles handbook- एक्सरसाइज थेरेपी सरल अनुवाद, marks the beginning of the quest towards presenting the principles of Physiotherapy in simple and lucid language. It is an adjunct for the several brilliant students passing out of Hindi medium and is in pursuit of wanting to have a career in Medical and Allied Health Sciences. The problem-oriented approach in this Handbook via the Hindi language will not only help aid the theoretical needs of the students but would also help to enhance communication with the patient and thus support clinical practice.

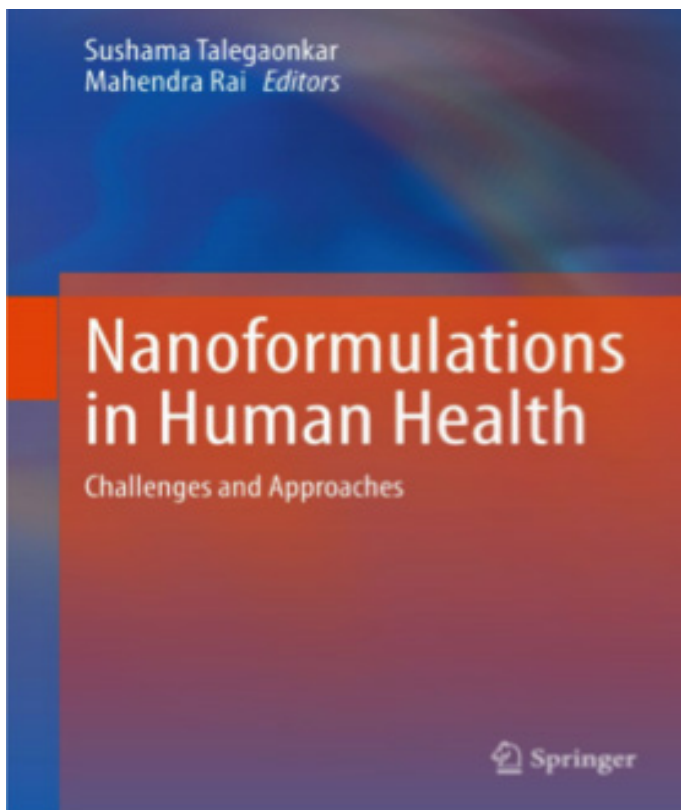
8. Sharma N, Ojha H, Raghav PK, Goyal RK. Chemoinformatics and Bioinformatics in the Pharmaceutical Sciences. UK: Elsevier Academic Press; 2021



*Chemoinformatics and Bioinformatics in the Pharmaceutical Sciences* brings together two very important fields in pharmaceutical sciences that have been mostly seen as diverging from each other: chemoinformatics and bioinformatics. As developing drugs is an expensive and lengthy process, technology can improve the cost, efficiency and speed at which new drugs can be discovered and tested. This book presents some of the growing advancements of technology in the field of drug development and how the computational approaches explained here can reduce the financial and experimental burden of the drug discovery process.

This book will be useful to pharmaceutical science researchers and students who need basic knowledge of computational techniques relevant to their projects. Bioscientists, bioinformaticians, computational scientists, and other stakeholders from industry and academia will also find this book helpful.

9. Talegaonkar S, Rai M. Nanoformulations in Human Health: Challenges and Approaches.1st Ed. Switzerland: Springer Nature; 2020.



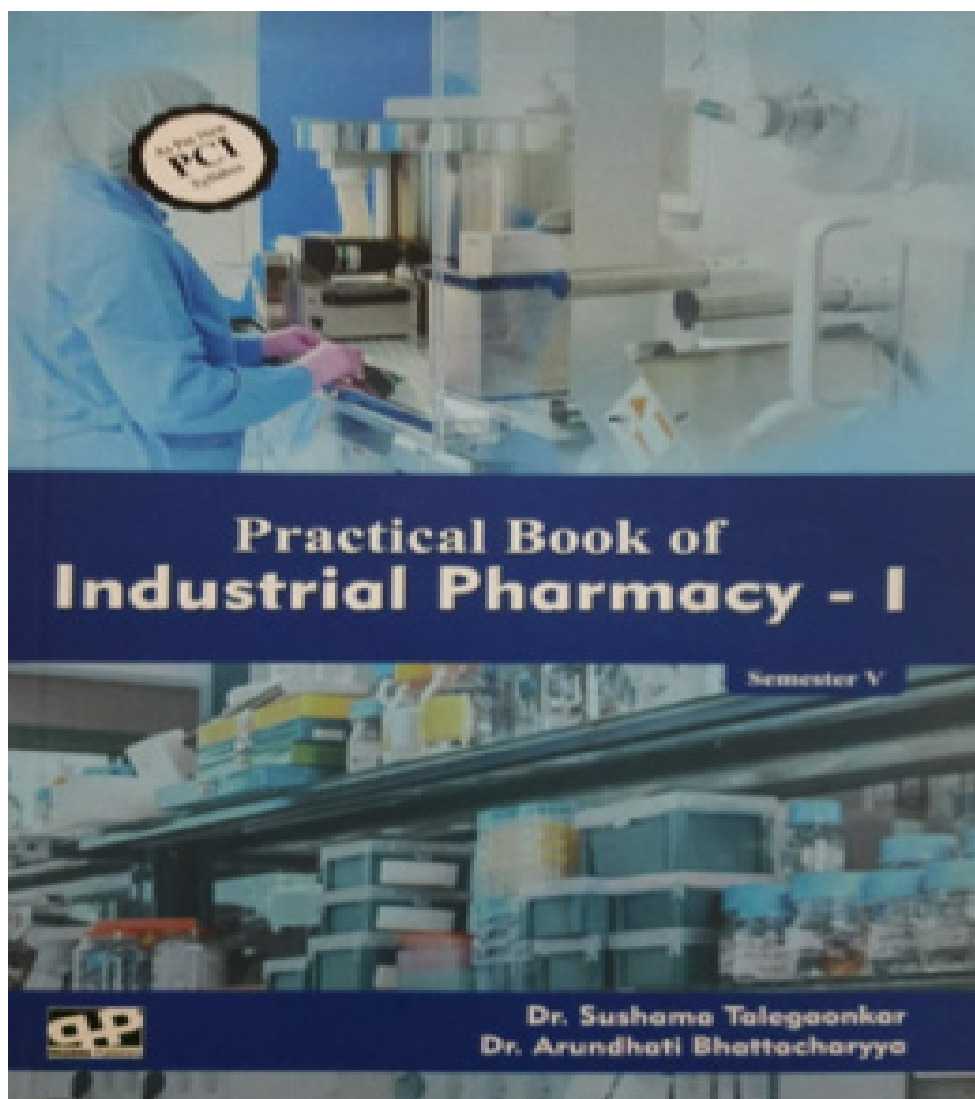
Springer



This book is an amalgamation of knowledge, experience, and expertise in various aspects of nanotechnology by experts who are proficient in designing of novel nanoformulations that are used in the treatment of various challenging and prevalent diseases. It is an exhaustive compilation of the multi-faceted arena of nanoformulations and the healthcare systems that caters to the needs of academicians, scholars, researchers etc

The book was released by Prof Ramesh K Goyal, Honorable Vice chancellor in the gracious presence of Dr O P Shukla, Registrar, and Prof H Popli, Director, SPS, DPSRU.

10. Talegaonkar S. Bhattacharyya A. A Practical Book of Industrial Pharmacy-I. 1st ed. New Delhi: Paging Publishers; 2020.



This book has been written for undergraduate students as per the syllabus currently prescribed by PCI. Total 15 experiments have been described completely covering the syllabus. The experiments have been designed with easily available drugs and excipients and simple formulas which can be performed in the laboratory with simple set up. Emphasis has been given on evaluation parameters and quality control tests as per compendial as well as non-compendial requirements.

## AWARDS AND ACHIEVEMENTS/RECOGNITIONS OF FACULTY MEMBERS OF DPSRU



### *Dr. Jaseela Majeed and Dr. Vijender Kumar*

#### 1. Prof. Ramesh K. Goyal

##### **Awards and Honours**

Honoured with **Commonwealth Innovation Award in Drug Development, 2021.**

Honoured with **Lifetime Achievement Award in Engineering, Science and Medicine** by VDG00G Professional Association, **2020**, Chennai.

Awarded with **APP Dynamic Professional Award, 2020.**

##### **Achievements/Recognitions**

Included in **Most cited researchers and Top 2% Scientists of the World of 2019** by research carried out by Sandford University in USA.

#### 2. Prof. Harvinder Popli

##### **Awards and Honours**

Honoured with **Dr APJ Abdul Kalam Lifetime Achievement National Award** by National Institute for Economic Development, in Research and teaching category, **17April, 2021**, Bangalore

##### **Achievements/Recognitions**

Resource person, **Short term training Program , AICTE, Computer Aided drug Designing** atCOP, BELA, **24May, 2021.**

Panelist, Women in Health Sciences, Challenges and Opportunities, Amity University, 8 March, 2021.

Keynote Speaker, Workshop on medical coding, organized by Sanskar College of Pharmacy and Research. 21-23 January 2021.

Organiser & speaker, Opportunities after Pharmacy, WICCI Delhi Pharmaceutical Council, 10 January 2021.

Co-Chairperson, Atamnirbhar in Medical technology, Webinar on Development of National Technology Roadmap, PHD Chamber 22 December 2020.

Co-Chairperson, Webinar on Virtual incubation Organized by start - up committee, PHD Chamber, 18 December 2020, Delhi.

Resource Person for Joint stakeholder' Roundtable of India, UK & Kenya on the Emerging need of skilled workforce during pandemics; 18 December 2020, Delhi. Co-Chairperson & Panellist, Digital Health: The Future: Mobile digital health device: The covid-19 pandemic impact and mobile digital health Roadmap. Series 3<sup>rd</sup>. Organized by Health committee, PHD Chamber, 11 November 2020, Delhi.

Speaker in E-conclave on Government intervention in encouraging innovation, entrepreneurship and venture development (IEV), organized by start - up committee, PHD Chamber, 20 October 2020, Delhi.

Speaker in E-Conclave on My India My Startup: 100 unicorns by 2025. 17 September 2020, Delhi.

Resource Person , Faculty Development Program, Warangal, 18 Sep, 2020.

Panellist, Webinar on Digital health: The future Series -II- Bridging the Gap: AI's role in combating inequalities in Health. P.H.D chamber, 26 June 2020, Delhi.

Panelist, Webinar on COVID-19 hugely alters work environment for pharma & healthcare as re-skilling takes centre stage, P.H.D chamber, 30 June 2020, Delhi.

Panelist, Atamnirbhar in medical technology, Webinar on Innovation and

Incentivisation of Indigenous Medtech Manufacturing, Series 3<sup>rd</sup>, organized by Health committee, PHD Chamber, 15 January 2021, Delhi.

### 3. Prof. Geeta Aggarwal

#### Awards and Honours

Awarded with **Best Professor** by Operant Pharmacy Federation, **25 Sept 2020**.

Achievements/Recognitions

Graduated for successful **development of Validated Cold Chain Shipping Solution** by DIIF, DPSRU in **July, 2020**.

### 4. Prof. Deepti Pandita

#### Achievements/Recognitions

Included in **Top 2 % Scientists of the World and most-cited scientists of 2019**, on the basis of database created by Stanford University, USA, based on standardized citation indications, and was published in PloS Biology.

Resource Person, On Research Ethics: Challenges and Recommendations One-week PhD workshop on the theme **“Research Methodology and Academic Writing Skills”** M.D University, Rohtak, **5-9 April, 2021**.

### 5. Dr. Meenakshi K. Chauhan

#### Awards

Best Poster award was presented for the paper “Nanotechnology-Based Approach for Improved Ocular Delivery of Dexamethasone in the Rabbit Eye for Glaucoma Induction” GHGKCP-CON Virtual International Conference on ‘Optimizing Research Tomorrow’s Therapeutics including COVID-19 pandemic’ organised by G.H.G. Khalsa College of Pharmacy, Gurusar Sadhar, Ludhiana, Jun 30, 2021

Awarded Women Researcher Award by Association Vdgood Professional at 9<sup>th</sup> International Scientist Awards on Engineering, Science and Medicine, Trichy, India 12-13 Sep 2020.

Awarded Most Dedicated Training Placement Officer Award by Golden AIM conference & Awards for Excellence & Leadership in Healthcare Education & E-Learning, 7 Aug 2020.

Project entitled “Compartmentalized particles as a multiple drug delivery kit for efficient management of Parkinson’s disease (PD)” sanctioned from ICMR (in collaboration with DMSE, IIT-Delhi) 2021-23

#### Recognitions

NITTR Recognised Mentor for newly inducted faculty in AICTE approved institutions

Resource person with National-level apex advisory bodies like AICTE

Chief Guest, World Health Day Celebrations, Gurugram College of Pharmacy, Pt BD Sharma University of Health Sciences, Haryana April 2021.

Evaluator, Research Presentations in Pharamecia 2.E an International Pharma E-Tech fest on Building Healthcare Professionals-Patient safety through Innovation and technology, Organised on World Pharmacist Day by Operant Pharmacy Federation, 19-25 Sept 2020.

Judge at Scienamite Event – Interschool Science Model Making Competition organized by GD Goenka World School, Aug 2020.

### 6. Dr. Mukesh Nandave

#### Achievements/Recognitions

Resource Person in AICTE-ISTE Sponsored One Week Induction/refresher programme on **“Current Trends in Drug Discovery and Formulation Development”** Phase-III at Parul Institute of Pharmacy and Research, Parul University, Vadodara, **6 -12 May 2021**.

Eminent Speaker for **AICTE** sponsored One week (Online) STTP (Slot –II): **“Scientific**

**Research Paper, Patents and Research Proposal Writing for Grants and an Ethics”** at R. C. Patel Institute of Pharmaceutical Education and Research (RCPIPER), Shirpur (MS) **25- 30 May 2021.**

Keynote Speaker in Two Days National Conference on **Recent Trends in Applied Aspects of Biological Sciences (NCRTAABS)** on at PSG College of Arts and Science, Coimbatore, **19-20 March 2021.**

Facilitated signing of **Memorandum of Understanding (MoU)** with Delhi Pharmaceutical Sciences and Research University signed and **Vaidya Sane Ayurveda Lab Pvt. Ltd.** Mumbai, **2021.**

Facilitated signing of **Memorandum of Understanding (MoU)** with Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi with the **Vaidya Sane Ayurveda Lab Pvt. Ltd. (VSAL)**, Mumbai, **14 May, 2021.**

#### 7. **Dr. Sushama Talegaonkar**

##### **Award and Honours**

Awarded with **Distinguished Researcher 2021**, for significant contribution to Pharmaceutical Research by Association of Pharmacy Professionals (APP).

##### **Achievements/Recognitions**

Included in **Top 2 % Scientists of the World and Most-cited scientists of 2019**, on the basis of database created by Stanford University, USA, based on standardized citation indications, and was published in PloS Biology.

Resource Person, 12th Indo-US conference on **“Nanotechnology in the Pharmaceutical Sphere: Contemporary Approaches and Therapeutic Applications”.**

#### 8. **Dr. Prabodh Chander Sharma**

##### **Achievements/Recognitions**

Included in **Most cited researchers and Top 2% Scientists of the World of 2019** by research carried out by Sandford University in USA.

Resource Person on topic **“Green Chemistry for Societal Needs: Understanding Principle of Microwave Assisted Organic Synthesis”** in the AICTE sponsored STTP on Computer Aided Drug Designing: A customized and innovative solution to the Greatest Challenges in Chemistry organized by COP, Bela, **11-16 January, 2021.**

Resource Person on topic **“Man versus Microbe: Combating the threat of antimicrobial Resistance”** during Ayushman Bharat Divas organized by Department of Pharmaceutical Sciences, Chaudhary Bansi Lal University, **30 April, 2021**, Bhiwani, Haryana.

Guest Lecture on **Antimicrobial Resistance: No Action Today, No Cure Tomorrow in lecture Series**, at Amity Institute of Click Chemistry Research and Studies (AICCRS), Amity University, **09 November, 2020**, Noida, Uttar Pradesh.

#### 9. **Dr. Jaseela Majeed**

##### **Achievements/Recognitions**

Nominated as a **Member and Women Representative of the Selection Committee** for the positions of Research Associate-I by Joint Secretary (Sports) MYAS, in National Dope Testing Laboratory by Ministry of Youth Affairs & Sports, Government of India both on **26 September 2020** and **31 May 2021.**

Co-moderated webinar on the theme **“Ayurveda and Pandemics: Lessons for the current COVID-19 crisis, future pandemics and other global health and wellbeing challenges”**, with Dr. Madan Thangavelu, Genome Biologist, Cambridge, UK organized by Ayush Valley Foundation, **27 June 2020.**

#### 10. **Dr. Saurabh Dahiya**

##### **Achievements/Recognitions**

Elected as **Member, Executive Council, Indian Pharmaceutical Association**, Delhi Branch.

Received **AICTE** Approval for development of **SWAYAM-MOOCs** Course on Pharmaceutical Jurisprudence.

Coordinator and received approval for **AICTE- ATAL FDP** at DIPSAR-DPSRU, **28 June- 2 July 2021**.

Chairperson of Lecture Session in **XXXV QIP, AICTE Quality Improvement Program (QIP)** conducted by DIPSAR during **09-16 October 2020**.

Convener of 2nd Faculty Induction and Development Program (FIDP) conducted by DPSRU for newly inducted faculty members during **21-27 August 2020**.

#### **11. Dr. Madhu Gupta**

##### **Awards and Honours**

Awarded with **Research Excellence 2020** received from Institute of Scholars (INSC) at Chikmagalur, Karnataka, on **24 December 2020**.

Awarded with **Outstanding Oration and Late Sh. Tarsem Jain Memorial Award 2021** at APP **12th Indo-US virtual conference on Polymer-lipid nanovehicles** designed for synergistic drug delivery for solid tumor management, **30 January 2021**.

##### **Achievements/Recognitions**

Speaker at **4th International Conference** on Materials Science and Research held during **April 29, 2021** as a Virtual Mode.

Speaker at **APP 13<sup>th</sup> Indo-US virtual conference** Theme: **“Trends and Challenges in Pharmaceutical Sciences”** at R.J. World College of Pharmacy Education and Technology, Jakhod, Surajgarh, Rajasthan, India organized by APP Rajasthan State Branch & APP American International Branch.

Speaker at **Interplay Between Health, Environment and Community Pharmacy** **SRITS**, Bhopal, lecture delivered on Application of Cancer Nanotechnology in Drug Delivery, SRITS, Bhopal on dated **14 May 2020**.

Speaker at **Staff Development Programme**, lecture delivered on Application of Cancer Nanotechnology in Drug Delivery, SRITS, Bhopal on **14 May 2020**.

#### **12. Dr. Shilpa Jain**

##### **Awards and Honours**

Awarded as **Empowered Women- Shakti of Physios** in Sports Connect **2021**, the 3rd National Conference on Sports and Advanced Physiotherapy.

##### **Achievements/Recognitions**

Resource Person, Sports Connect 2021 in 3rd National Conference on Sports and Advanced Physiotherapy. Virtual Platform, **14 February 2021**.

#### **13. Dr. Sheetal Kalra**

##### **Award and Honours**

Awarded with **Physio Excellence for Excellent and valuable work for Physiotherapy** profession during 3rd International Conference of Physiotherapy Professionals and students (PHYSIO HARCON 2020) organized through digital platform on **21 September 2020**.

#### **14. Dr. Mahaveer Dhoobi**

##### **Achievements/Recognitions**

Recipient of **Commonwealth Fellowship-2020** from Commonwealth Scholarship Commission, UK.

Speaker, International Virtual Conference - **APCORE 2020** on Indian herbal medicine for prevention and treatment of mild to moderate cases of COVID-19 on **2-4 December 2020**.

#### **15. Dr. Gaurav Jain**

##### **Achievements/Recognitions**

Nominated as **Vice President**, Indian Pharmaceutical Association – Delhi, **2021**. Presented at **NAPCON 2020** National Conference on **29 Jan 2021**.

## 16. Dr. Ajit Kumar Thakur

### Achievements/Recognitions

Biography selected for **Marquis Who's Who in the World® 2020**, comprises top 3% of the professionals in the world. January 16, 2021.

**Moderator** for the session "Current Trends in Pharmaceutical Sciences: With Special Focus on Clinical Research" during XXXIII QIP-2020, September 22-29, 2020 at DIPSAR, New Delhi

**Co-coordinator**, 2nd FIDP, August 21-27, 2020 DPSRU, New Delhi

## 17. Dr. Vijender Kumar

### Achievements/Recognitions

Keynote Speaker in **International Virtual Symposium on Drug Discovery 2021**. Delivered Therapeutic Opportunity of Medicinal Plants and Formulations: Potential Drug Candidates for COVID-19. Organized by School of Pharmaceutical Sciences, CT University, Ludhiana, **8 May, 2021**.

Moderator in lecture "**Vedic Microbiology**" in Medicinal plants Mega Conference and Exhibition **2021**, organized by Department of Pharmaceutical Sciences, Gurukul Kangri Vishwavidyalaya, Haridwar, **27 April, 2021**.

## 18. Dr. Anoop Kumar

### Awards and Honours

Awarded with **Star Performer** for most active, regular participation and being a distinct scorer in AICTE sponsored two weeks online Faculty Development Program (FDP) titled "**Exploration of Nascent Pedagogical Tools for Updating Teachers of Pharmacy Education**" conducted by Lloyd Institute of Management and Technology (Pharm.), **8- 20 March, 2021**.

### Achievements/Recognitions

Delivered an Expert talk on **Meta-analysis in COVID era: how much helpful?** in Medicinal plants Mega Conference and Exhibition **2021**, organized by Department of Pharmaceutical Sciences, Gurukul Kangri Vishwavidyalaya, Haridwar.

Delivered an Expert talk on Pharmacovigilance and Drug Safety: Recent Developments and Future Perspectives at ISF College of Pharmacy, Moga, Punjab, **21-22 May, 2021**.

## 19. Dr. Abhishek Dadhich

### Achievements/Recognitions

Resource Person on First Ideation Meeting on Promoting Transparency and Accountability Through Collective Action Across Healthcare Value Chain in India, organized by Agency -Global Compact Network India (GCNI), **22 November 2020**.

## 20. Dr. Parul Sharma

### Achievements/Recognitions

Bestowed with **2<sup>ND</sup> Position in International Conference** on Aerospace Rehabilitation, Reach 2020, organized by GD Goenka University, Gurugram, **14 March 2020**.

Guest speaker "**Effect of Space microgravity on knee joint cartilage in First live virtual conference on**" Recent advancement in physical therapy & rehabilitation.

Guest speaker for invited talk, Manav Rachna International Institute of Research and Studies for First live virtual international conference on recent advancement in physical therapy and rehabilitation. Emerging neurorehabilitation technique in Parkinson's disease: Transcranial direct current stimulation on dated **9-11 October, 2020**.

Guest speaker on **Clinical Training in Physiotherapy**. Role of iontophoresis in physiotherapy. Organized by Amity institute of physiotherapy, **12 March 2021**.

## DPSRU IN MEDIA



***Ms. Pritha Sarkar & Mr. S. Sengupta***

During the last year, DPSRU has earned prowess in the national and international media for its events, activities and programmes.

DPSRU Ranks among the country's best pharmaceutical Science Universities.

The Times of India ranked the university among the top varsities for the education and research of Pharmaceutical Science in country.

In this ranking by TOI, DPSRU was touted as the best to learn the science of pharmacy and noted the encouraging placement scenario, invention of pharmaceutical drugs and products, and incubation of successful start-ups. It also appreciated the university's role in acting as the sole research partner of a unique Covid drug.

### **DD Urdu – Humare Science Daan**

Honourable Vice Chancellor of DPSRU, Professor Ramesh Goyal featured in an interview broadcasted in channel DD Urdu. In the programme, "Humare Science Daan", a show that highlights the contribution of various personalities in the field of Science and Technology, Professor Goyal talked about his early education, his progress as a researcher in the world of pharma sciences, the awards and fame earned in India and abroad as a top scientist, along with the current progress going on in bringing out the India's first Covid drug.

### Publicity of 3<sup>rd</sup> Annual Convocation Ceremony in Media

Third annual convocation organized virtually received a positive response from the media industry for its well-organized virtual celebration that saw guests from different parts of the country and felicitations to meritorious students.

### Other news in Media

Pharma chronicles and newspapers as well as social media platforms continues to spread positive words about the university. Some of the news that were featured during the last year are as follows:

- Honourable VC of DPSRU featuring in Naujawan Hindustan – DD Urdu
- 59<sup>th</sup> Pharmacy Week Celebration.
- Orientation Programmes of various courses
- Faculty Induction and Development Programme
- Hands on training and Workshop on Digital Imaging Microscopy and Application
- Launching of Clinical Research Course in association with Apollo Research and Innovations
- World Pharmacists Day 2020 Celebration

# News Clippings

<http://pharmabiz.com/news/Details.aspx?id=131051&aid=2>

## DPSRU successfully convenes 3rd annual convoca campus Delhi

Our Bureau, Mumbai  
Wednesday, January 6, 2021, 14:50 Hrs (IST)

Tearing forward the legacy of pharmaceutical sciences studies and research, around 97 D. Pharm, 51 B.Sc. (Sports Science) students, and 126 PG students including 77 M. Pharm, 11 MBA in P-students and 2 Ph. D. students were deemed eligible to receive their degrees at Delhi Pharmacy 3rd Annual Convocation ceremony.

Professor B. Suresh, President, Pharmacy Council of India (PCI), and pro-Chancellor, JSS Acader Chief Guest. Also in attendance were Dr. G. N. Singh, Ex Drugs Controller General; Dr. S. Chandra Sciences, dignitaries from government sector, pharma industry, and education sector apart from B faculty members and graduating students. The convocation was also virtually live on YouTube for students and parents from all over the country.

The Chief Guest, Professor B. Suresh first congratulated graduates and their parents and urged creation of a modern and decisive India. He further added that the students need to use technology expecting all the major industries to be completely automated by 2030. He termed that the world defining true leader, he quoted John Adams famous saying "If your actions inspire others to dream are a leader". He enlightened the audience with COVID 19 vaccines across the world undergo young graduates to have courage to think differently, courage to invent, to travel the uncharted problems and succeed. Professor B. Suresh went on to say that the pharmacy colleges need to have hands on industry experience and stressed on the importance of hyper collaboration among path breaking research that moves the society. He expressed appreciation for University's efforts in pharmacology, physiotherapy and Allied health Sciences.

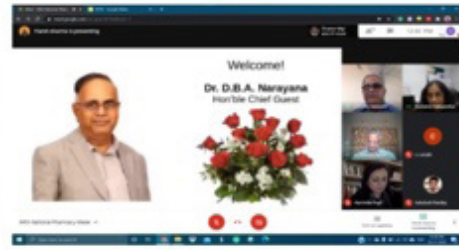
Following this, the Vice Chancellor read out the presidential address on behalf of the chancellor of Post this, the meritorious students were awarded the gold medals by Chairman, BOG, Pallavi Gc Medal for obtaining the highest marks in B. Pharm and BPT respectively. The Vice Chancellor a number of marks in B.Sc. Sports Sciences and The Vijayn Acharya Gold Medal was awarded to R. Pharm. all Disciplines.

## Orientation Programme of Bachelor 2020 - DPSRU



Even though our normal routine lives came to an ongoing coronavirus pandemic, Delhi Pharmaceu Research University (DPSRU) didn't let it dwindle it spirits. Amidst everything, the university organiz Programme of Bachelor of Pharmacy - 2020 batch 2020 at a virtual platform. [Read More](#)

## 59 th Pharmacy Week Celebration at DPSRU, New Delhi



Keeping with the same spirits as previous years, Delhi Pharmaceutical Sciences and Research University (DPSRU) virtually celebrated the 59th National Pharmacy week from 16th November to 22 rd November, with great enthusiasm and participation of the students and faculty alike. The program was coordinated by Dr

<http://pharmabiz.com/NewsDetails.aspx?id=131055&aid=2>

## DPSRU organizes faculty induction and development p

Our Bureau, Mumbai  
Saturday, September 12, 2020, 15:49 Hrs (IST)

Delhi Pharmaceutical Sciences and Research University (DPSRU), India's first pharmacy university Programm (FDP) between August 21 and August 27, 2020 at its campus in New Delhi.

The programme was envisioned and organized under the patronage of the Vice Chancellor Ph members of university. The programme was operated in both offline and online modes keeping all s The first day was marked with special presence of Chief Guest Prof. (Dr.) Arun Agarwal, Professor of Governor (BOG) Member DPSRU. He shared his experiences and motivated the newly indu building.

The Vice Chancellor delivered the welcome address and threw light on the objectives and possible of philosophical lectures, design of this program is centered around imparting working knowledge to Prof. D.P. Pathak, Director-DIPSAR narrated the important milestones from a polytechnic institut existence in 2015 through an Act passed by Delhi Assembly, GNCTD in 2005.

Further, Prof. Goyal being the first regularly appointed Vice Chancellor of India's First Pharmacy higher learning and how all team members need to contribute and work harmoniously to the Pharmaceutical Sciences. He was very generous to share experiences of his own career to show faculty participants. He was successful in igniting a spark in the minds of the young learners.

The second day was exhaustively devoted to training of administrative skills. Dr. Sreenivas University) New Delhi enlightened the participants about the basics of administration and duties ar Salman Qamar Khan, Sr. Law Officer, Ministry of Petroleum and Natural Gas alongwith Sh. Ankit R right to information (RTI) R.K. Shaha, Senior Accounts Officer detailed about the handling of fina the offices, official meetings, R & I functioning etc. further Sudhir Singh Verma, Deputy Controller c enthusiastically all the practically useful details of Pay and Emoluments, Leaves, LTC, Service rules, c information under: [hr@pharmabiz.com](mailto:hr@pharmabiz.com)

## Explore the world of pharmacy through India's best varsities

103 Online | Mar 6, 2021, 12:00 IST

In a country like India, the students studying i dream of becoming eit doctor or an engineer. Other options does her Are there other opport have a coveted, well-reputed profession her in which the person we spending time pursuing of interest, exploring th world of science, the w chemicals, medicine, d research in molecules reactions. Yes! Welcome to the world of pharmaceutical science. No, when pharma, I don't refer to the person sitting behind the counter and selling me I'm talking about industry experts, vaccine manufacturers, drug inspectors, scientists.

This person manufactures, designs, and improves the tools and techniqe any doctor uses to diagnose, prevent, and treat the patient and his disease

Here are the best varsities dedicated to this exquisite field of research, as a profession, that has grown into a dynamic community in which the govern educational institute and industry hyper collaboration to train students and m capable of achieving new heights in terms of earning professional income t their skills as well as doing research that moves the society.

## Delhi Pharmaceutical Sciences and Research University

Situated at the heart of Delhi, this is a well-equipped University, fully dedica the field of pharmaceutical sciences and allied areas. The university boasts placement at well-known industry players such as Ranbaxy, Biocron, Bausch Dabur Research, etc. Recently the university has invented low cost ventilat sanitizer & masks, to win the fight against Covid and is the sole research ph soon to be launched Covid drug. While the university is well known for its n work in the areas of pharmaceutical science, it has incubated many startup field.

**Courses Offered**  
Bachelors in Pharmacy, & physiotherapy, Masters in Quality Assurance, Clin Research, Pharmaceutics, Hospital Pharmacy, Pharmacology, Pharmaceutic Chemistry, Cosmeceutics, Industrial Pharmacy, Drug Regulatory Affairs, Pharmaceutical Analysis, Pharmaceutical Biotechnology, Pharmacognosy & Phytochemistry, MBA – Pharmaceutical Management, as well as post gradu programmes in Hospital Management and Public Health. Ph.D. programs in Pharmacy, Public Health and Pharmaceutical Management

**Eligibility Criteria**  
\* B. Pharm - Minimum Marks obtained in 10+2  
\* B. Sc. (Pharm) - 10+2 with Science, English, & Mathematics  
\* M. Pharm - B.Pharm + 50% Marks in Entrance Exam  
\* Ph.D. - M.Pharm + 50% Marks in Entrance Exam

**DPSRU hosted its 3rd Annual Convocation**

Delhi Pharmaceutical Sciences and Research University Successfully Convenes 3rd Annual Convocation  
97 D. Pharm. Students, 126 B. Pharm. students, 30BPT students, 51

**DPSRU Organized Hands on Training Workshop on DIGITAL IMAGING MICROSCOPY AND APPLICATION**

**APCore 2020 Virtual International Webinar Speakers**

Prof. Dr. Chintappa Hirani  
Prof. Dr. Ramash Goyal  
Dr. Dhishit Shrivastava

**Travel Diaries**  
Diary Writing Competition

**Courses Offered**

- Full time Courses
- Part time Courses
- Online Courses

ADVERSE POST GRADUATE ONLINE MEDICAL RESEARCH (APCORE)  
POST GRADUATE DIPLOMA IN CLINICAL RESEARCH (PCORE)  
POST GRADUATE DIPLOMA IN CLINICAL RESEARCH (PCORE) WITH SPECIALIZED MODULES

Qualifies for:  
\* Eligibility for New Delhi  
\* Eligibility for admission with a degree in B.S., B.Sc., B.A. Science, B.Tech./IIT/IIIT/ICIT/IIIT/IIITV  
\* B.Pharm/B.Sc. (Pharm) with an appropriate entrance and all a minimum 50% of marks in English.

# INTERNAL QUALITY ASSURANCE CELL (IQAC): ACADEMIC ACTIVITIES, COLLABORATIONS, LECTURES



**Prof. Ajay Sharma & Dr. Madhu Gupta**

## Internal Quality Assurance Cell (IQAC)

In pursuance of its Action Plan for performance evaluation, assessment and accreditation and quality up-gradation of institutions of higher education, the National Assessment and Accreditation Council (NAAC), Bangalore proposes that every institution should establish an Internal Quality Assurance Cell (IQAC) as a quality sustenance measure. **DPSRU started IQAC in 2016.** Since quality enhancement is a continuous process, the IQAC will become a part of the institution's system and work towards realization of the goals of quality enhancement and sustenance. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institutions. For this, during the post-accreditation period, institutions need to channelize its efforts and measures towards promoting the holistic academic excellence including the peer committee recommendations.

The guidelines provided in the following pages will guide and facilitate the institution in the creation and operation of the Internal Quality Assurance Cell (IQAC). The work of the IQAC is the first step towards internalization and institutionalization of quality enhancement initiatives.

Its success depends upon the sense of belongingness and participation in all the constituents of the institution. It will not be yet another hierarchical structure or a record-keeping exercise in the institution. It will be a facilitative and participative voluntary system/unit/organ of the institution. It has the potential to become a vehicle for ushering in

quality enhancement by working out planned interventionist strategies by IQAC to remove deficiencies and enhance quality like the "Quality Circles" in industries.

## Objectives of IQAC Cell

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

## Functions of IQAC Cell

- Development and application of quality benchmarks
- Parameters for various academic and administrative activities of the institution
- Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process
- Collection and analysis of feedback from all stakeholders on quality-related institutional processes
- Dissemination of information on various quality parameters to all stakeholders
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles
- Documentation of the various programmes/ activities leading to quality improvement
- Acting as a nodal agency of the Institution for coordinating quality-related activities

including adoption and dissemination of best practices

- Development and maintenance of institutional database through MIS for the purpose of maintaining the institutional quality
- Periodical conduct of Academic and Administrative Audit and its follow-up
- Preparation and submission of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC.

## ACADEMIC ACTIVITIES

### QUARANTINE- BOOSTING HEALTH, FITNESS & BEAUTY TIPS, FROM AFAR

As our country is passing through the International Health calamity in the form of Pandemics of Novel corona virus (COVID-19) all the authorities of the government of NCT of Delhi including our Hon'ble Prime Minister on the top expected that we must see that we follow the "Social Distancing and Isolation" as the part and partial of the Fight against the corona virus. Keeping all the preventive measures "World Class Skill Centre" of Delhi Pharmaceutical Sciences and Research University planned a program using online available tools i.e. "Quarantine- Boosting Health, Fitness & Beauty tips, from afar". In this program we came up with the daily basis yoga, fitness and beauty tips pdf's and videos which was prepared and designed by the students of WCSC-DPSRU courses (Sports Fitness and Yoga Application, Sports Digitalization and Performance Management, Beauty Wellness Consultant courses) to promote health and fitness in this pandemic situation. WCSC-DPSRU also organized series of online yoga sessions, which was solely based on creating awareness on health and lifestyle as during this lockdown we all might be glued to the television screens, mobile phones or computer screens. WCSC-DPSRU is also launched online yoga sessions for

public as well to promote and create awareness for health. Along with this the faculty of WCSC-DPSRU also organized some online sessions for the students so that the quarantine time can be utilized for enhancing the knowledge and skills of our students. Here are some the webinars which were organized by the DPSRU-WCSC "BOOSTING YOUR STAMINA", "FITNESS PILATES AND THE ART OF PILATES PRESCRIPTION", international webinar on "MEDITATION FOR HAPPY AND HEALTHY LIFE". WCSC-DPSRU also celebrated 6<sup>th</sup> INTERNATIONAL YOGA DAY in the presence of Hon'ble Vice Chancellor, Prof. Ramesh K. Goyal by organizing an online yoga session for all the WCSC centers of Delhi and for the University where the students gave a 1-minute yoga challenge to the teachers. All these activities are organized and done by WCSC-DPSRU for creating awareness for health and fitness at a large scale for everyone including the University students as well as the public. Also, these activities were planned to improve and develop new skills in WCSC-DPSRU students during this quarantine period.

As it is well said that

"Yesterday is gone.

Tomorrow has not yet come.

We have only today.

**Let us begin.**" "Physical fitness is not only one of the most important keys to a healthy body, it is the basis of dynamic and creative intellectual activity".

### INTERNSHIP ACTIVITIES OF SCHOOL OF ALLIED HEALTH SCIENCES, DPSRU

Internship of students at Directorate of Health Services, Govt of NCT of Delhi.

The students of Master's in Public Health (MPH) and Master's in Hospital Management (MHM) of School of Allied Health Sciences completed

internship from Directorate of Health Services, Govt of NCT of Delhi for COVID-19 related work. The duration of the internship was for a period of one month in June 2020. The students were allotted different CDMO districts for COVID-19 data analysis and Management. It was a great opportunity for our students to support the national initiative towards the fight against the deadly pandemic. Since most of the MPH and MHM students are from the streams of Bachelor of Dental Sciences, Homeopathy, Unani medicine and can immensely contribute to the data analysis on COVID-19. The students were awarded Certificates from Director General, DGHS, Dr. Nutan Mundeja at the end of completion of Internship. Dr. Jaseela Majeed was the faculty Coordinated for this internship program.

### **Internship of students of Masters in Public Health at National Centre for Disease Control (NCDC), Ministry of Health and Family Welfare GOI**

Two students of Master's in Public Health (MPH), Mr. Debraj Mukhopadhyay and Dr. Vibhor Dudhraj completed two months internship from Dept. of Epidemiology, National Center for Disease Control (N.C.D.C), Govt. of India (G.O.I). During the internship, students were involved in data collection, compilation and analysis of sero-surveys for IgG antibodies among frontline Healthcare workers against SARS-COV2. The interns got an opportunity to work with the premiere institute who undertakes investigations of disease outbreaks in the country.

### **YOGA AUR ZINDAGI Program: media coverage by DD URDU**

On dated 21<sup>st</sup> June 2020, at 3:00 pm and 11:00 pm, **YOGA AUR ZINDAGI** was telecasted by DD Urdu channel. This was a unique program that was different from routine programs on Yoga. Usually routine Yoga Asans are shown, but the

theory and background is not given. The Asana required during Corona time was more apt.

In today's era everybody wants a healthy and fit body and during this pandemic people actually realised the importance of fitness and yoga in their life. Today almost everybody is attending online Yoga Sessions as they have realised that it is very important for everyone to be fit and healthy in this lockdown. This program was focused to rediscover our own country's Health and Spiritual Sciences through all the Subject Matter Experts on Yoga and Health Sciences notably from DPSRU.

The interview taken at DPSRU and consists of the benefits of yoga and how yoga helps the people to be fit and how to keep their body healthy by different yoga techniques. In this program, they have also shown us some yoga techniques for flexibility, for improving respiratory functions which were very useful for all the people. It was such a nice experience to share the views through DD Urdu channel related to Yoga and health by Hon'ble Vice Chancellor, Prof. Ramesh K. Goyal, Prof. Harvinder Popli, Offg. Registrar, DPSRU, Dr. Madhu Gupta, Associate Professor, and Offg. COO, WCSC-DPSRU, Mr. CP Ray, Yogacharya, and Dr. Shilpa Jain, Associate Professor.

Through the words shared by the Vice-Chancellor of DPSRU, that Yoga is our history, our lifestyle, our habits, our routine and it is not just about exercises. Also as told by him that Yoga is an ancient technique for staying fit and healthy.

The Registrar also had a distinct view that Yoga is about the Mind, Body and the Soul. The effective way to heal in present Pandemic circumstances and to boost immunity is through Pranayama as shared by the COO - WCSC.

Through this program, everyone can comfortably understand that Yogic Sciences is about "the Journey from the Outside to Within."

I would like to thank your team for taking up the challenge in a Pandemic time and yet creating and telecasting an informative and knowledgeable feature.

Overall, it was a really amazing session and yet creating and telecasting an informative and knowledgeable feature. The program was coordinated by Dr. Madhu Gupta. It was a honor to represent our university on the National Television, and to educate people on the International Yoga Day.

### **Faculty Induction and Development Program**

Delhi Pharmaceutical Sciences and Research University, India's First Pharmacy University organized 2<sup>nd</sup> Faculty Induction and Development Program during August 21-27, 2020 at its campus on M.B. Road, Pushp Vihar, New Delhi. The program was envisioned and organized under the patronage of the Vice Chancellor Prof. Ramesh K. Goyal for the newly inducted faculty members of university. The program was operated in both offline and online modes keeping all social distancing norms in force as per State guidelines.

The first day was marked with special presence of Chief Guest Prof. (Dr.) Arun Agarwal, Professor of Excellence-ENT, Former Dean MAMC and BOG Member DPSRU. He shared his experiences and motivated the newly inducted faculty members to contribute towards nation building. The Vice Chancellor delivered the welcome address and threw light on the objectives and possible outcomes of the FIDP. He emphasized that instead of philosophical lectures, design of this program is centered around imparting working knowledge to the new employees of the University. Prof. D.P. Pathak, Director-DIPSAR narrated the important milestones from a polytechnic institute established in 1964 till the university coming into existence in 2015 through an Act passed by Delhi Assembly,

GNCTD in 2008. Further, Prof. Goyal being the first regularly appointed Vice Chancellor of India's First Pharmacy University shared his Vision- 2030 for this seat of higher learning and how all team members need to contribute and work harmoniously to make this a global place of study and research in Pharmaceutical Sciences. He was very generous to share experiences of his own career to show the path of academic progress and eminence to the faculty participants. He was successful in igniting a spark in the minds of the young teachers.

The second day was exhaustively devoted to training of administrative skills. Dr. Shreenibas C. Prusty, Registrar-Indian Law Institute (Deemed University) New Delhi enlightened the participants about the basics of administration and duties and responsibilities of government service personnel. Sh. Salman Qamar Khan, Sr. Law Officer, Ministry of Petroleum and Natural Gas along with Sh. Ankit Goyal S.O. Law, elaborated the practical aspects of Right to Information (RTI) Act. Sh. R.K. Bhalla, Senior Accounts Officer detailed about the handling of finances in the university system, preparation of files in the offices, official notings, R & I functioning etc. further Sh. Sudhir Singh Verma, Deputy Controller of Accounts, Transport Dept., GNCTD covered very exhaustively all the practically useful details of Pay and Emoluments, Leaves, LTC, Service rules, Govt. accommodation, Income tax, NPS, admissible allowances etc. applicable to govt. employees.

On the third day, Prof. P.K. Sahu briefed the participants about New Education Policy 2020 recently floated by MHRD, Govt. of India. Dr. S. Latha and Dr. Meenakshi Chauhan gave easily understandable interpretations of schemes and policies of accrediting and funding agencies such as PCI, AICTE, DST, DBT. Further, the program was blessed by the presence of Prof. Dileep N. Malkhede, Advisor AICTE, who appreciated

the efforts of DPSRU to stand apart from the crowd and also highlighted the historical aspect of how technical education dissemination in India progressed with AICTE efforts. Further during the day, the program got augmented with the scientific discussions of two luminaries Dr. P.L. Sahu, Scientific Director, NDTL and Dr. Jai Prakash, Senior Principal Scientific Officer & Secretary-cum-Scientific Director Indian Pharmacopoeia Commission. Dr. Sahu talked on dope testing in relation to pharmacy as well as sports sciences and Dr. Jai Prakash discussed about the efforts undertaken by IPC in making the drug standards and monographs for India. Both scientists opened up a plethora of activities on which tie-ups and collaborations can be worked out.

Day four was dedicated to activities pertaining to DPSRU Innovation and Incubation Foundation and was led by Prof. H. Popli, Director DIIF. A guest talk by Dr. Manish Diwan, Head, Strategic Partnership and Entrepreneurship Development, BIRAC opened up funding avenues for faculty members. Prof. Popli conducted design thinking session along with highlighting activities of DPSRU Innovation and Incubation Foundation. In the afternoon session, Dr. Sushama Talegaonker discussed the Ethics, Integrity and Fairness in Research. Further, Stalwart of Pharmacy profession, Dr. G.N. Singh, Ex-Drug Controller General of India and Member-General Council DPSRU shared his words of wisdom with the participants and acknowledged that recruitment of the new faculty members by the Hon'ble Vice Chancellor shall be a great milestone in the journey of DPSRU.

On the last day of FIDP, the program started with training of Nuclear Biological & Chemical Defense Damage Control by Mr. Aditya Kaushik, S.O. and Ex. Indian Navy officer followed by session on Technology Integration in University Activities by Mr. Anshul Bagai, Director, ASSRM.

Another important area mandated by AICTE on Holistic development by understanding the universal human values was covered by Prof. Rajiv Kumar Tonk, Dean Students Welfare.

The Valedictory session was graced by Sh. Azimul Haque, IAS, Director, TTE, Govt. of NCT of Delhi. The Hon'ble Vice Chancellor Prof. Ramesh K Goyal delivered a gist of the entire activities at DPSRU and emphasized on Vision 2040 concentrating on long-term planning and goals for the university. Sh. Haque shared his thoughts on producing globally acceptable competent technical manpower to suit the changing needs of the industry. He appreciated the initiative of the worthy Vice Chancellor for designing and organizing this FIDP. The program concluded with vote of thanks by Dr. Saurabh Dahiya, Convener and Dr. Ajit Kumar Thakur Co-Convener of the program.

### **World Physiotherapy Day 2020 Celebration**

World Physiotherapy Day was organized by School of Physiotherapy, on 6<sup>th</sup> September' 2020, by organizing a webinar on "Recent Developments in Physiotherapy". The day was celebrated under the kind supervision of Prof. Ramesh K. Goyal, Vice Chancellor, DPSRU. The invited speaker was Prof. Maneesk Arora, Dean SBS University, Dehradun. The event was moderated by Dr. Sheetal Kalra and ended by thanking everyone involved in the event by Dr. Shilpa Jain, Head, School of Physiotherapy. More than 150 participants joined through Google Meet and You Tube Channel.

### **"World Pharmacists Day-2020" Celebration**

World Pharmacists Day was celebrated on 25<sup>th</sup> September 2020, at Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi. Pharmacist Day 2020 was celebrated with tremendous joy by all faculty as well as the students of the university. Prof R K Goyal, Honorable Vice-Chancellor, DPSRU presided the

function. Dr. V. Kalaiselvan Principal Scientific Officer at Indian Pharmacopoeia Commission and Prof. S. S. Sharma, Professor, NIPER graced the occasion.

The event started with welcome address by Dr. Rajani Mathur, Assistant Professor, DIPSAR. Prof. Geeta Aggarwal, Dean Academics highlighted the contribution of DPSRU faculty in fight against Covid-19. She further said that the most important aspects for a pharmacist should be professionalism and the ethics. Prof. Harvinder Popli, Director, School of Pharmaceutical Sciences explained the theme for this year of Pharmacist day i.e. Transforming global health. She energized the students to do something unique and not become one in the crowd. Prof D. P Pathak, Director, DIPSAR acknowledged the gathering by introducing himself as a proud pharmacist. He discussed various facets of Pharmacy profession along with the responsibilities and challenges present in front of the Pharmacy professionals. Prof. S. S. Sharma, Professor, NIPER highlighted the contribution of Pharmacists to a world where everyone benefits from access to safe, effective, quality and affordable medicines and health technologies.

Prof R K Goyal, Vice Chancellor highlighted the role of Pharmacist in present COVID pandemic situation and how they can play vital role in transforming global health. He also informed the gathering about the discovery of various drugs and also mentioned that the university will take initiative in the areas like materiovigilance and precision medicine. Prof. Goyal advised **students to have Pride in self profession and also inspired** the budding minds to achieve excellence. He encouraged the research scholars to be creative, innovative, to implement their idea and finally earn laurels for university and themselves.

The program proceeded further by making a verbal promise, i.e. “Oath Ceremony” by Prof. Rajiv Tonk, Dean Students’ Affairs, where in all the dignitaries along with the students took the “OATH”. This event was concluded by Vote of Thanks by Dr. Rajani Mathur.

In the evening, Dr. Sushama Talegaonker, Associate Professor, DPSRU organized different on-line activities including poster and slogan making competition with the theme “Transforming Global Health”, wherein students participated with great zeal. A huge diversified response from students of various Pharmacy institutions from Delhi NCR and other states including Andhra Pradesh, Karnataka, and Maharashtra was received. Another interesting activity namely “Placard Wish Collage” was also conducted by the students very enthusiastically under the guidance of Dr. Sushama Talegaonker. It was one-of-a-kind experiences to celebrate this day in online mode due to the pandemic situation.
































### **59<sup>th</sup> Pharmacy Week Celebration**

Keeping with the same spirits as previous years, Delhi Pharmaceutical Sciences and Research University (DPSRU) virtually celebrated the 59th National Pharmacy week from 16th November to 22<sup>nd</sup> November, with great enthusiasm and participation of the students and faculty alike. The program was coordinated by Dr Sushama Talegaonkar.

It commenced on the 16th of November with an inauguration program and welcome address by Prof. Geeta Aggarwal followed with words of wisdom for Pharmacy students by Prof. Harvinder Popli. Attendees also had the delight to hear from Prof. Ramesh K. Goyal, Hon’ble Vice Chancellor, DPSRU where he shared his vision for the University. The Esteemed Chief Guest for the inauguration was Dr. DBA Narayana, Chief Scientific officer, Ayurvidye Trust, Bangalore

Throughout the week, various engaging online events were conducted with the theme- **“Pharmacists: The frontline professionals”** wherein students from all across the country participated with great zeal and fervor. On the inaugural day, a Flow Diagram Making competition was held where participants were asked to draw a flowchart on a randomly assigned topic. The submissions were judged based on their content, Clarity of concept, creativity, and general aesthetics. A Label Making event was also organized where participants sent in digital or drawn entries. On day 2, a Debate competition was held on the topic **“Should India adopt the western method of drug dispensing?”** It attracted a wide mass of debaters who kept their points with utmost diligence. A Sales Pitch contest was also held where participants sent a two-minute video pitching a pharmaceutical product to prospective investors. The videos were judged based on their content, delivery, body language, and tone. Kavyanjali- A Poetry Competition was also held as a part of the celebrations where participants sent in a poem in either Hindi or English. On the third day, Inquisitive - A Live Pharma Quiz was organized with the theme Pharmacist: the frontline Professionals. An online Article writing competition on the theme- **Pharmacists thwarting Coronavirus** where the participants were asked to write an article. The submissions were judged based on their content, originality of content, creativity, and objectivity of the text. The last day observed an AdMad competition which was held where the participants were allocated random pharmaceutical articles on which they had to prepare an innovative digital advertisement poster/ leaflet for the same. A Theme Photography competition was also held on the theme **‘The New Normal’** We received entries from outside our university as well wherein participants had to submit a write-up along with the photo explaining the composition of their picture.

#### IN CALL

	Dr. Abhishek Dadhich (You)		
	abul faisal		
	ANAS RASHID		
	Debraj Mukhopadhyay		
	Diksha Dua		
	divya singh		
	Jaseela majeed		
	jatin bhateja		
	Kritika Kaushik		
	Nazia Warsi		
	nisbat akhter		

On 23rd November, valedictory function was organized. Dr. Pramil Tiwari, Head, Department of Pharmacy Practice, NIPER, Mohali was the chief guest and who graced the occasion with their kind words. Prof D P Pathak, Director, DIPSAR highlighted the contribution of Pharmacists to a world where everyone benefits from access to safe, effective, quality and affordable medicines and health technologies. Prof R K Goyal Hon'ble Vice Chancellor, DPSRU, discussed various facets of Pharmacy profession along with the responsibilities and challenges present in front of the Pharmacy professionals. Winners of all the competitions were announced and certificates were presented to them virtually. Report of Pharmacy week and vote of thanks were presented by Dr Sushama Talegaonkar.

#### Journal Club under School of Allied Health Sciences

The Journal Club activity under the School of Allied Health sciences was conducted from 4<sup>th</sup> December 2020 to 18 December 2020 in which all the students and their respective faculty members were participate from different streams like MBA Pharmaceutical Management, MBA Hospital Management and

Master in public Health to guide their students regarding how to conduct Literature Review for conducting research in their concern field. The students presented an outline of the research topics supported with literature review which are concern with pharmaceutical industry developments, Consumer awareness and perception towards pharmaceutical product, Medical healthcare insurance, Child nutrition and personal hygiene and quality service in hospital sector. The presentations are evaluated by their respective guides on the basis of their presentation skills, topic content and communication skills. The Journal Club activity allow student to explore new research topics with innovative idea to enhance their knowledge and understanding towards pharmaceutical and healthcare industry.

#### **Naujawan Hindustan Program: Career in Pharmacy Program: media coverage by DD URDU**

On dated 28<sup>th</sup> Nov. 2020, at 9.30 pm, “**Naujawan Hindustan Program: Career in Pharmacy**” was telecasted by DD Urdu National News Channel to boost the young innovative generations for selecting their career option.

Through the words shared by the Vice-Chancellor of DPSRU that pharmacists play a vital role in improving patient care through the medicine and information they provide. Careers in pharmacy offer many benefits and opportunities. These include working in the community, a hospital, home health care, pharmaceutical research companies, nursing homes, government health agencies, and higher education. In addition, pharmacy has **excellent earning potential** and is consistently ranked as one of the most highly trusted professions due to the care and service pharmacists provide.

Overall, it was a really amazing session and yet creating and telecasting an informative and knowledgeable feature. The program was

coordinated by Dr. Madhu Gupta. It was a honor to represent our university on the National Television.

#### **Student Orientation Programme: Bachelor of Pharmacy – 2020**

Even though our normal routine lives came to a standstill due to ongoing coronavirus pandemic, **Delhi Pharmaceutical Sciences and Research University (DPSRU)** didn't let it dwindle its legacy and high spirits. Amidst everything, the university organized an **Orientation Programme of Bachelor of Pharmacy - 2020** batch on 8th December 2020 at a virtual platform.

The programme commenced with the lightening of the lamp and seeking blessings from goddess Saraswati. After being suffused with inspiration through our university song, the students were provided with a glimpse of the university campus followed by the words of wisdom by Prof. Prabhat Kumar Sahoo who welcomed all the students to the university for their future endeavors. In her brief address to students', Prof. Geeta Aggarwal, Dean Academics gave an overview of syllabus, various academic activities, internship and placement along with last five years statistics to give a bird eye view of the institutes with an engaging presentation. Later on, Prof. Rajiv K. Tonk, Dean Student Welfare enlightened the students about exam strategies, marking schemes and the fun filled extra-curricular activities of the university. He perfectly balanced his address by encouraging students to participate in extracurricular activities yet focusing on their curriculum. The students also had the delight to hear from Prof. Harvinder Popli, Director, School of Pharmaceutical Sciences (SPS), DPSRU who motivated the students with her optimistic thoughts and an overall introduction of SPS, it was indeed a virtual visit to university campus with multiple photographs and clippings of laboratories, lecture theatre, reception area

etc. She also introduced the students to DPSRU Innovation and Incubation Foundation (DIIF). Next in the event, Prof. D. P. Pathak, Director, Delhi Institute of Pharmaceutical Sciences & Research (DIPSAR) graced the occasion with his kind words and a brief about the legacy DIPSAR as an institute carries and various milestones achieved.

Enthralling everyone, Prof. Ramesh K. Goyal, Hon'ble Vice Chancellor, DPSRU, expressed his delight over various achievements that this prestigious university has achieved not only in the area of research but also in all other aspects. The esteemed Chief Guest for the programme was Dr. Mahesh Burande, Hon'ble Director, Institute of Pharmaceutical Education and Research, Pune who gave uplifting remarks on the topic 'Challenges and Opportunities in Pharmacy Profession Through Skill Development' which left everyone in awe of his dynamic personality. He provided students with various career opportunities Bachelor of Pharmacy holds for them. As the event progressed, Prof. Prabodh Sharma administered the oath taking ceremony where all the students pledged to be learned pharmaceutical professionals and abide by the laws at all times. This was followed by the vote of thanks given by Dr. OP Shukla, Registrar, DPSRU which led to the closing of the first segment of this lively gathering. After a short break, another segment '**Know Your Faculty**' was organized where the students were introduced to all the faculty members who'll be there for them in this four-year long journey and will be their guiding light throughout. The programme was coordinated by Prof. Deepti Pandita.

### **Delhi Pharmaceutical Sciences and Research University Successfully Convenes 3rd Annual Convocation**

Coronavirus pandemic, which has grappled the world for more than 10 months now, could

not hack and take away the legacy and spirits of Delhi Pharmaceutical Sciences & Research University.

Reckoning with the crisis DPSR University marked its third Convocation Ceremony with a solemn event held on Tuesday, December 22, 2020 from 11 AM to 01 pm IST. Professor B. Suresh, President, Pharmacy Council of India, and pro-Chancellor, JSS Academy of Higher Education, graced the ceremony as the Chief Guest. Also, in attendance were Dr. G. N. Singh, Ex Drugs Controller General; Dr. S. Chooramani Gopal, President National Academy of Medical Sciences; dignitaries from government sector, pharma industry, and education sector apart from Board of Governors, Honorable Vice Chancellor, Registrar, Dean, faculty members and graduating students. The convocation was also virtually live on You tube for the very first time and attended by a large number of students and parents from all over the country.

97 D. Pharm. Students, 126 B. Pharm. students, 30BPT students, 51 BSc. (Sports Science) students, and 105 PG students including 77 M. Pharm., 11 MBA in Pharmaceutical Management, 09 MPH and 08 MHM students and 2 Ph. D. students were deemed eligible to receive their degrees.

The efforts and achievements of exceptional students were recognized and rewarded.

The Convocation Ceremony, started at 11.00 AM with the Academic Procession moving towards the auditorium and rendition of University song followed by Invocation and lamp lighting by the dignitaries. The dignitaries on dais were felicitated and the Convocation was subsequently declared open by Dr. Shridhar Dwivedi, Hon'ble Chairman, BOG on behalf of the Chancellor. Dean Academics, Dr. Geeta Aggarwal read the Grace and presented the students to honorable Vice Chancellor to admit them for the Degree.

The function continued with the welcome speech and presentation of University's recent major accomplishments in dealing with the pressing issue of Covid 19 by the honorable Vice Chancellor, Prof. Ramesh K. Goyal. In his report, the Vice Chancellor shared that clinical trials of the plant-based drugs to treat coronavirus are going well. He mentioned that DPRSU successfully brought in innovative research projects, for cold chain transportation, headed by Dr. Geeta Agrawal. It was also announced that University received grant of 5.4 crores from DTTE for the establishment of Centre of precision medicine in the university premises under the leadership of honorable Vice Chancellor who has been featured in top 2% scientists of 2020. It was further reported that School of Physiotherapy, DPRSU has been included in ten best physiotherapy institutes in India and DPRSU has been shortlisted in ten best campuses by Silicon India for research and innovation in India 2020.

The first two PhD students of the University, Mr. Abhishek Singh and Mr. Mohammad Mazhar, were then conferred doctorate degrees by the VC and Chairman, Board of Governors.

The Chief Guest, Professor B. Suresh first congratulated graduands and their parents and urged them to remain steadfast in their efforts towards the creation of a modern and decisive India. He further added that the students need to use technology to their advantage to grow in the post-Covid-19 world. Expecting all the major industries to be completely automated by 2030, he opined that the world now requires leaders to lead this automation. While defining true leader, he quoted John Adams famous saying "If your actions inspire others to dream more, learn more, do more and become more, you are a leader.". He enlightened the audience with Covid-19 vaccines across the world undergoing different phases of clinical trials. He advised the young graduands to have courage

to think differently, courage to invent, to travel the unexpected path, discover the impossible and to conquer the problems and succeed. Professor B. Suresh went on to say that the pharmacy colleges need to introduce atleast one semester in which students can have hands on industry experience and stressed on the importance of hyper collaboration among the academia, industry and government, along with path breaking research that moves the society. He expressed appreciation for University's efforts in research and innovation in the domains of Pharmacology, physiotherapy and Allied Health Sciences.

Following this, the Vice Chancellor read out the presidential address on behalf of the chancellor of the university, Shri Anil Baijal.

Post this, the meritorious students were awarded the gold medals by Chairman, BOG. Ms. Pallavi Goyal and Ms. Priyanka received 'The Sitaram Jindal Gold Medal' for obtaining the highest marks in B. Pharm and BPT respectively. 'The Vice Chancellor award' was given to Mr. Hiteshi Khatter for obtaining the number of marks in B.Sc. Sports Sciences and 'The Vijayin Alniche Gold Medal' was awarded to Mr. Rohan Aggarwal for obtaining the highest marks in M. Pharm. all Disciplines. Ms. Mugdha Kesh received 'The Aimil Pharmaceuticals Award' and Ms. Khushboo received 'The Prof. S.K. Gupta Gold Medal' for obtaining the highest marks in PG examinations of Allied Health Sciences and M. Pharm. (Clinical Research as the specialization) respectively. Ms. Kavita Meena was honored with 'The B. D. Miglani Award' and 'The S. L. Nasa Hospital Pharmacy Foundation Award' for obtaining the highest marks in M. Pharm. (Specialization: Hospital Pharmacy). Ms. Charu Juyal was bestowed with 'The Aimil Pharmaceuticals Award' and Mr. Abhay Pathak with 'The Vice Chancellor Award' for obtaining the highest marks in D. Pharm. 'The LG Trophy Award' was conferred to Mr. Yash Verma and

Ms. Shweta Mittal for overall performance in academics, extracurricular and co-curricular activities. The 'Jwalat Alniche Gold Medal' was awarded to Brajkush Industries Pvt Ltd as the Start-up company of DPSRU Innovation and Incubation Foundation, for developing outstanding innovative healthcare product.

Towards the end, the Registrar proposed a vote of thanks. The Convocation was declared dissolved by Honorable Chairman, BOG, following which there was a stirring rendition of the National Anthem by all present. Eventually, the Academic Procession left the auditorium and marked the end of the convocation ceremony. This formal and significant event of the University was thus commemorated and celebrated in a manner befitting its importance.

#### **"Humare Science Daan" Program: media coverage by DD URDU**

On dated 3<sup>rd</sup> Jan. 2021, at 9.30 pm, "**Humare Science Daan Program**" was telecasted by DD Urdu National News Channel to encourage the young minds and inspire them to tell the biopic of recognized scientist who works and research in their various areas and has been highly appreciated across the world.

Some of the Indian scientists have changed the world with their innovations and created history by setting standards for creativity, out of which Prof. Goyal has occupied his place on world map. Prof. Goyal also captured by DD Urdu a public leading National News Channel that telecasted the life journey of Prof. Ramesh K. Goyal in the form of interview, 5 minutes movie clips.

In a subject-wise analysis carried out by Stanford University in the USA, Prof. Ramesh K. Goyal, has been cited among the top two percent of scientists in the list available on Scopus. In an exhaustive list of over 100,000 persons, 1,492 Indians have found a place, with a majority of them being from IITs and IISc and other top

institutes, representing fields like physics and more. Prof. Goyal was recognized in this list for medicine field. Recently he discovered a novel herbal formulation for treatment of Covid-19.

Overall, it was a really amazing session and yet creating and telecasting an informative and knowledgeable feature. The program was coordinated by Dr. Madhu Gupta. It was a honor to represent our university on the National Television.

#### **Synopsis Presentation of the proposed research work for final year students of School of Allied Health**

The synopsis presentation of the proposed research work was conducted for final year MBA-PM, MHM and MPH courses of School of Allied Health Sciences on 6th, 7th and 8th January 2021 respectively. The subject experts gave an overview to set the research objectives and frame a systematic methodology for the proposed research work. The synopsis was evaluated by Mr. Mohit Taneja; Fresinius Kabi, Dr. Sakhi John; Assistant Professor, School of Management and Business Studies and Dr. Abha Mangal; Specialists and Head Community Health Department of St. Stephens Hospital, New Delhi for MBA-PM, MHM and MPH respectively. The respective supervisors attended the synopsis presentation as well.

#### **Orientation and Induction Programme of School of Allied Health Sciences 2021-DPSRU**

To start the Academic Session 2020-21 in the ongoing pandemic, Delhi Pharmaceutical Sciences and Research University didn't let it dwindle its legacy and high spirits. Amidst the challenging times, School of Allied Health Sciences (SAHS) organized an Orientation programme on 11 January 2021 followed by two days induction programme from 12-13 January 2021 for the newly admitted Post

Graduate students of MBA in Pharmaceutical Management, Masters in Hospital Management and Masters in Public Health, under the guidance of Head of Department, Dr. Jaseela Majeed through a virtual platform.

The agenda of the orientation session was to motivate the students for the new beginning of Academic year in an online mode. The move to online learning during the pandemic offers SAHS the opportunity to redefine the learning experience. SAHS management, faculty and staff members, are leaving no stone unturned in preparing themselves to give students the best possible education and service.

The orientation programme started with lightening of the lamp and seeking blessings from Goddess Saraswati. After being suffused with inspiration through University song, students were provided with glimpse of the University campus, with a warm welcome note by Dr Abhishek Dadhich, Assistant Professor in Pharmaceutical Management. The session commenced with an engaging presentation by Prof. Geeta Aggarwal, Dean Academics, gave an overview on internships, placements, and various academic activities. Later, Prof. Rajiv Tonk, Dean Students Welfare, discussed about strategies of examination, marking scheme and extracurricular activities of the University. Students also had the opportunity to hear from Dr Jaseela Majeed, Head School of Allied Health Sciences. She mentioned about the courses offered by the School, programme structure, summer trainings, internships, seminars, and webinars organized in the school. The students were then introduced to syllabi of various courses: MBA by Ms. Rakhi Ahuja, Assistant Professor in Department of Pharmaceutical Management, MHM by Dr Sheetal Yadav, Assistant Professor in Hospital Management and MPH by Dr Puneeta Ajmera, Associate Professor in Public Health.

Prof. Ramesh K. Goyal, Hon'ble Vice Chancellor addressed the gathering with his delight speech and welcomed the students and motivated them for the beginning of the new session with a new style of learning, stating a very clear vision for a successful new academic session. Prof. Goyal also shared vision and legacy of DPSRU, milestones achieved and welcomed the speakers for the day. The esteemed Guest of Honour for the program Dr S.D Gupta, Chairman, International Institute of Health Management Research (IIHMR), Jaipur stressed on standards of health through better management of health care and related programs. Dr. Manisha Shridhar, Regional Advisor, World Health Organization-South East Asia Regional office (WHOSEARO), India graced the occasion as Chief guest. Dr Manisha enlightened the students with status of COVID-19 vaccines, Deployment Preparation, and licensing.

Apart from the academic pattern, the students were also made aware of the various outreach programs and community activities by Dr J. Swaminathan, Assistant Professor in Public Health. The entire session was well moderated by Dr Priyanka and Ms Kritika, of Hospital Management. The orientation session ended with vote of thanks by Dr J. Swaminathan, thanking Hon'ble Vice Chancellor for continuously guiding and supporting everyone in the University and all the esteemed guests for their valuable time. After a short break, another segment- Know Your Faculty was organized where students were introduced to all faculty members. Faculty motivated the students and assured them of proper guidance and cooperation throughout which was appreciated by the students.

During the 2-day Induction programme several sessions were organized on important issues like "Problem Solving Skills in Professional life, Challenges in Public Health, Creating

Compassion among Healthcare Professionals” etc where experts from different arenas enlightened the students. The prominent speakers include Dr. Arvind Mal, Director Ministry of Defence, GOI; Dr Suresh Kumar, Director, Institute of Palliative Medicine, Kerala; Dr Arti Bahl, Joint Director, Epidemiology Division, National Centre for Disease Control (NCDC), New Delhi; Dr Ashok Agarwal, Former Director, School of Allied Health Sciences, IGNOU and Adjunct Professor, IIHMR Delhi. Apart from the specialized lectures by eminent speakers covering not only subject area, the induction program attempts to inculcate moral values, ethics and compassion in the newly admitted students. The students applauded and gave positive feedback. Orientation and Induction programme was indeed a warm-up session for students before they are ready to hit the ground for their final performance and successful career.

“Open Elective Subjects” Program of School of Allied Health Sciences

School of Allied Health Sciences, introduced Open Elective subjects in the curriculum of final semesters of MBA in Pharmaceutical Management (MBA-PM), Masters of Hospital Management (MHM) and Masters of Public Health (MPH) as per the approval from Board of studies. Students were given an opportunity to choose any two elective subjects out of three options. Sessions were conducted from 1- 6 March 2021 through online mode. External experts from industry and academia were invited to conduct sessions to provide practical knowledge to the budding professionals along with in-house faculty. The Program Co-ordinators were Dr. Puneeta Ajmera for MPH, Dr. Abhishek Dadhich for MBA-PM and Dr. Sheetal Yadav for MHM with overall supervision of Dr. Jaseela Majeed, Head, SAHS.

### **Brief description of Open Elective Sessions**

**KPO Management:** The session was covered by Mr. Dinesh Pandey, Chief of Staff Pharma Ace. Sessions included training on how to use resources available on the internet for collecting relevant and authentic data about diseases, drugs and related enquiries.

**Brand Plan:** The subject was covered by Ms. Reena Bhattacharya, Founder Renuto Consulting and Dr. Abhishek Dadhich, Assistant Professor, SAHS. A unique hands-on learning experience, enabled students to learn from basics of designing a brand plan.

**Entrepreneurship Management:** Sessions for this subject were conducted by the faculty of Communication Skills, Mr. Mayank Bhardwaj. The budding entrepreneurs discussed about building ideas into startups, gathering the right skill set and path to follow, elevator pitch etc.

**Hospital Accreditation:** Sessions were conducted by Dr. Suhas Parnami, Medical Superintendent, B.L. Kapoor Super Specialty Hospital, Delhi, and Dr Sheetal Yadav, Assistant Professor, SAHS. Students learnt the process of getting started on the road to accreditation for raising the quality of care for the patients.

**Public Health Nutrition:** Sessions were conducted by Dr. Luxita Sharma, Associate Professor and Officiating Head, Amity Medical School, Amity University Haryana and Dr. Puneeta Ajmera, Associate Professor, SAHS. Students had the opportunity to know about application of nutrition indicators for different public health purposes.

**Health Information system:** Sessions for this subject were conducted by three experts viz. Dr Meera Dhuria, Joint Director, Epidemiology Division, National Centre for Disease Control (NCDC), New Delhi, Dr Himanshu Chauhan,

Joint Director CSU, IDSP, NCDC and Dr Priyanka Chauhan, Lead Clinical Informatic Analytic, Spectramedix Pvt. Ltd. Gurgaon. Students learnt about the role of information technology in Public health organizations.

### **Evaluation was done on the basis of assignments and presentations.**

In short, the entire one-week Open Elective Subjects sessions helped the young professionals to explore the practical application of the management/ health care concept and could empower them in developing their capability to do creative innovations and execute the same in real-life situations.

### **School of Physiotherapy Organizes Workshop cum Syllabus Meet- National Workshop on Development of Syllabus to Improve Practice Standards of Physiotherapy**

The online meetings of “**National Workshop on Development of Syllabus for Innovative Practices and Standards of Physiotherapy**”, were held on 27.11.2020, 4.12.2020 and 12.02.2020, organized by School of Physiotherapy, Delhi Pharmaceutical Sciences and Research University in collaboration with Delhi Council for Physiotherapy and Occupational Therapy, New Delhi, with the participation of various Councils of Physiotherapy in India, where the following members actively participated in the meeting.

1. Prof. Ramesh K. Goyal, Vice Chancellor, DPSRU, Patron.
2. Dr. Arun K. Aggrawal, President, DCPTOT, New Delhi.
3. Dr. V.P. Gupta, Head- Physiotherapy unit- CTVS department, Member- DCPTOT, New Delhi
4. Dr. Sudeep H Kale, President, Maharashtra Council
5. Dr. Zarna Shah, Vice President, Gujarat State Council for Physiotherapy

6. Dr. Ravinder Mudgil, President, HCAP, Haryana
7. Dr. Asha Goyal, Consultant, DCPTOT, New Delhi
8. Dr. Patitapaban Mohanty, HOD Physiotherapy, SVNIRTAR
9. Dr. Maneesh Arora, Dean, SBS University, Dehradun
10. Dr. Narkeesh Arumugham, Professor, Punjabi University, Patiala
11. Dr. Jayprakash Jayvelu, Head Physiotherapy, Dharamshila Cancer Hospital, Delhi
12. Dr. Amandeep, Professor and Head of Department, Chandigarh University
13. Dr. Nidhi Kalra, Officiating Director, BCIP, New Delhi
14. Dr. Roshan Lal Meena, Pt. DDU IPH, Delhi
15. Dr. Nishat Quddus, Associate Professor, Physiotherapy, Jamia Hamdard University
16. Dr. Seema Grover, Chief Physiotherapist, Apollo Hospital New Delhi
17. Shilpa Jain, Coordinator of the Meeting, DPSRU
18. Sapna Dhiman, Co-coordinator of the Meeting, DPSRU
19. Parul Sharma, Co-coordinator of the Meeting, DPSRU

### **Objectives of the workshop**

To understand the mandates of the respective councils for the standards of Physiotherapy.

To study the current status of Physiotherapy education with respect to syllabus, clinical postings and internship.

To compare the current status of Physiotherapy education in India and its comparison with that of other countries.

To develop the course framework for the Physiotherapy education, considering New Education Policy- 2020 and recommend various courses under following heads.

Foundation courses

Core courses

Allied Courses

Skill courses/ Specialized courses

Development of the appropriate syllabus for each course with minimum number of hours.

Program	
<b>Part- I “UNDERSTANDING PHYSIOTHERAPY COUNCILS IN CONTEXT OF PHYSIOTHERAPY EDUCATION” (Friday, 27<sup>o</sup> Nov’ 2020,10:00 em to 1:00 pm)</b>	
Objectives:	<ol style="list-style-type: none"><li>1. To understand the mandates of the respective councils for the standards of Physiotherapy.</li><li>2. To study the current status of Physiotherapy education with respect to syllabus, clinical postings and internship.</li></ol>
Speakers:	<ol style="list-style-type: none"><li>1. Dr. Arun K. Aggrawal, President, DCPTOT, New Delhi</li><li>2. Dr. SanjW K. Iha, President, IAP</li><li>3. Dr. Sudeep H Kale, President, Maharashtra State Council for Physiotherapy</li><li>4. Dr. Zarna Shah, Vice President, Gujarat State Council for Physiotherapy</li><li>5. Dr. Ravinder Mudgil, President, HCAP, Haryana</li><li>6. Dr. V.P. Gupta, Head- Physiotherapy unit- C1V5 department, New Delhi. Member- DCPTOT, New Delhi</li></ol>
Special Invitee:	<ol style="list-style-type: none"><li>1. Dr. Sudhir Kumar, Sr. Orthopedic Consultant, Deptt. of Orthopedics, Sharda Hospital.</li><li>2. Dr. Asha Goyal, Consultant, DCPTOT, New Delhi.</li><li>3. Dr. Bela Sethi, Director Physical Therapy Clinic</li><li>4. Dr. Patitapaban Mohanty, HOD Physiotherapy, SVNIRTAR.</li><li>5. Dr. Narkeesh Arumugham, Dean, Punjabi University, Patiala</li><li>6. Dr. Maneesh Arora, Dean, 585 University, Dehradun.</li><li>7. Dr. Seema Grover, Chief Physiotherapist, Apollo Hospital New Delhi</li><li>8. Dr. Roshan Lai Meena, Pt. DDU IPH, Delhi</li><li>9. Dr. Nishat Cluddus, Associate Professor, Physiotherapy, Iamia Hamdard University</li><li>10. Dr. Sohrab, Associate Professor, Physiotherapy, Jamia Hamdard University</li><li>11. Dr. Nidhi Kalra, Officiating HoD, BLIP, New Delhi</li></ol>

**Part-II “DEVELOPMENT OF COURSE STACTURE & GUIDELINES FOR PHYSIOTHERAPY COURSE IN THE LIGHT OF NEP- 7070 (NATIONAL EDUCATION POLICY) and GLOBAL DEVELOPMENT (Friday, 4th Dec’ 2020, 10:00am to 1:00 pm)**

<b>Objectives:</b>	<ol style="list-style-type: none"> <li>1. To compare the current status of Physiotherapy education in India and its comparison with that of other countries.</li> <li>2. To develop the course framework for the Physiotherapy education, considering New Education Policy-2020 and recommend various courses under following heads.               <ol style="list-style-type: none"> <li>a. Foundation courses</li> <li>b. Core courses Allied</li> <li>c. courses Skill courses</li> <li>d. Specialized courses</li> </ol> </li> </ol>
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**“DEVELOPMENT OF THE APPROPRIATE SYLLABUS FOR EACH COURSE WITH MINIMUM NUMBER OF HOURS.” (Friday, 18th Dec’ 1020, 1000 am to 1:00 pm)**

<b>Objectives:</b>	<ol style="list-style-type: none"> <li>1. Developing sequence of courses to be taught</li> <li>2. Developing appropriate topics for each course</li> <li>3. Defining number of hours for the subjects</li> </ol>
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**Part- IV ‘MEETING OF THE EXECUTIVES OF DIFFERENT COUNCILS TO MAKE AND ADOPT FOR FINAL RECOMMENDATION TO GOVERNMENT.’**

**Organizing Committee**

<b>Patron</b>	Prof. Ramesh K. Goyal, Vice Chancellor, Delhi Pharmaceutical Sciencesand Research University, New Delhi.
<b>Co-Patrons</b>	Dr. Arun K. Agawal, President, DCPTOT, New Delhi Dr. Sanjiv K. Jha, President, IAP Dr. Sudeep H Kale President, Maharashtra Council Dr. Nipul Salvi, President, Gujarat Council Dr. Ravinder Mudgil, President, HCAP, Haryana
<b>Coordinator</b>	Shilpa Jain, Head, School of Physiotherapy, DPSRU, New Delhi

**Recommendation for the Courses**

**Core Courses Recommendation**

**Chairman:** Dr. V.P. Gupta, Heed CTVS, Department, AIIMS

**Allied Courses Recommendation**

**Chairman:** Dr. Jayprakash Jayvelu, Head Physiotherapy, Dharamshila Cancer Hospital, Delhi

**Foundation Courses Recommendation**

**Chairman:** Dr. Amandeep, Professor and Head of Department, Chandigarh University

**Skill/Specialized/Electric Courses**

**Chairman:** Dr. P.P. Mohanty, Heed of Department., SVNIRTAR, Orissa

**Program**

**Part- I**

**“UNDERSTANDING PHYSIOTHERAPY COUNCILS IN CONTEXT OF PHYSIOTHERAPY EDUCATION”**

(Friday, 27<sup>th</sup> Nov’ 2020, 10:00 am to 1:00 pm)

<b>Objectives:</b>	<b>1. To understand the mandates of the respective councils for the standards of Physiotherapy.</b>
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	<b>2. To study the current status of Physiotherapy education with respect to syllabus, clinical postings and internship.</b>
<b>Speakers:</b>	<ol style="list-style-type: none"> <li>1. Dr. Arun K. Aggrawal, President, DCPTOT, New Delhi</li> <li>2. Dr. Sanjiv K. Jha, President, IAP</li> <li>3. Dr. Sudeep H Kale, President, Maharashtra State Council for Physiotherapy</li> <li>4. Dr. Zarna Shah, Vice President, Gujarat State Council for Physiotherapy</li> <li>5. Dr. Ravinder Mudgil, President, HCAP, Haryana</li> <li>6. Dr. V.P. Gupta, Head- Physiotherapy unit- CTVS department, New Delhi. Member- DCPTOT, New Delhi</li> </ol>
<b>Special Invitee:</b>	<ol style="list-style-type: none"> <li>1. Dr. Sudhir Kumar, Sr. Orthopedic Consultant, Deptt. of Orthopedics, Sharda Hospital.</li> <li>2. Dr. Asha Goyal, Consultant, DCPTOT, New Delhi.</li> <li>3. Dr. Bela Sethi, Director Physical Therapy Clinic</li> <li>4. Dr. Patitapaban Mohanty, HOD Physiotherapy, SVNIRTAR.</li> <li>5. Dr. Narkeesh Arumugham, Dean, Punjabi University, Patiala</li> <li>6. Dr. Maneesh Arora, Dean, SBS University, Dehradun.</li> <li>7. Dr. Seema Grover, Chief Physiotherapist, Apollo Hospital New Delhi</li> <li>8. Dr. Roshan Lal Meena, Pt. DDU IPH, Delhi</li> <li>9. Dr. Nishat Quddus, Associate Professor, Physiotherapy, Jamia Hamdard University</li> <li>10. Dr. Sohrab, Associate Professor, Physiotherapy, Jamia Hamdard University</li> <li>11. Dr. Nidhi Kalra, Officiating HoD, BCIP, New Delhi</li> </ol>
<b>Part- II</b> <b>“ DEVELOPMENT OF COURSE STRUCTURE &amp; GUIDELINES FOR PHYSIOTHERAPY COURSE IN THE LIGHT OF NEP- 2020 (NATIONAL EDUCATION POLICY) and GLOBAL DEVELOPMENT (Friday, 4<sup>th</sup> Dec’ 2020, 10:00 am to 1:00 pm)</b>	
<b>Objectives:</b>	<ol style="list-style-type: none"> <li>1. To compare the current status of Physiotherapy education in India and its comparison with that of other countries.</li> <li>2. To develop the course framework for the Physiotherapy education, considering New Education Policy- 2020 and recommend various courses under following heads. <ol style="list-style-type: none"> <li>a) Foundation courses</li> <li>b) Core courses</li> <li>c) Allied courses</li> <li>d) Skill courses</li> <li>e) Specialized courses</li> </ol> </li> </ol>
<b>“DEVELOPMENT OF THE APPROPRIATE SYLLABUS FOR EACH COURSE WITH MINIMUM NUMBER OF HOURS.”</b> <b>(Friday, 18<sup>th</sup> Dec’ 2020, 10:00 am to 1:00 pm)</b>	
<b>Objectives:</b>	<ol style="list-style-type: none"> <li>1. Developing sequence of courses to be taught</li> <li>2. Developing appropriate topics for each course</li> <li>3. Defining number of hours for the subjects</li> </ol>
<b>Part- IV</b> <b>“MEETING OF THE EXECUTIVES OF DIFFERENT COUNCILS TO MAKE AND ADOPT FOR FINAL RECOMMENDATION TO GOVERNMENT.”</b>	

## MOUs and Possible Collaborations

Delhi Pharmaceutical Sciences and Research University signed MoU with Vaidya Sane Ayurveda Lab Pvt. Ltd. Mumbai

Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi, the first Pharmacy University of India, has signed a Memorandum of Understanding with the Vaidya Sane Ayurveda Lab Pvt. Ltd. (VSAL), Mumbai. The MoU was signed between the Registrar Dr. O.P. Shukla, DPSRU and the Managing Director Dr. Rohit M. Sane, VSAL in presence of Dr. Mukesh Nandave, Associate Professor in Pharmacology, DPSRU on May 14, 2021. This MoU will enable collaborative sponsored research collaboration with VSAL. This MoU will allow DPSRU faculty to carry out sponsored research on polyherbal formulations and procedures conceptualised and formulated by VSAL.

## CONFERENCES AND SEMINARS

### DPSRU Celebrated World Heart Day-2020

Society for Promotion and Research of Cardiovascular Sciences (SPARCS), New Delhi in association of School of Pharmaceutical Sciences (SPS), Delhi Pharmaceutical

Sciences and Research University (DPSRU), New Delhi celebrated WORLD HEART DAY-2020 on 29<sup>th</sup> September 2020 on Zoom. The event was inaugurated by Prof. Ramesh K. Goyal, Honorable Vice Chancellor, DPSRU, New Delhi. Prof. Harvinder Popli, Director, SPS and Prof. D.P. Pathak, Director, Delhi Institute of Pharmaceutical Sciences and Research (DIPSAR) also participated in the event. The chief guest and invited speaker Dr. Rajiv Agarwal, Senior Consultant & Interventional Cardiologist, Senior Director of Cardiology, Max Smart Super Specialty Hospital, Saket, New Delhi was felicitated by Honorable Vice Chancellor. Welcome address for the event and introduction of the chief guest was delivered by Dr. Mukesh Nandave. Dr. Rajiv Agarwal enlightened the audience by delivering a highly relevant talk on “Can We Halt Heart Attack?”. In his around 45 minutes’ talk, he talked about the magnitude of the problem i.e. heart attack in Indians, contribution of various risk factors such as smoking, stress, lack of physical activity, poor eating habits etc. He also talked about preventive measures for reducing the overall risk of cardiovascular diseases through life-style related factors, importance of gold hour and health insurance in case of cardiac

The image is a screenshot of a Zoom meeting. The main content is a slide titled "How to Prevent Heart Attack" from MAX Healthcare. The slide features a photograph of the Max Smart Super Specialty Hospital building. Below the photo, the speaker is identified as "Rajiv Agarwal, MD, DM Cardiology, FACC, Senior Consultant & Interventional Cardiologist, Senior Director Cardiology". The Zoom interface shows a list of participants on the right side, including Dr. Mukesh Nandave, Rajiv Agarwal, Sonal Sinha, and MITTAL. The bottom of the screen displays the Zoom control bar with options like Mute, Stop Video, Security, Participants, Chat, Share Screen, Record, Reactions, and Leave.

events. The talk was very informative and interesting for the audience which motivated a lot to the audience for positively modifying lifestyle including moderate physical activity on daily basis for better heart health.

Online session on Zoom was attended by more than 100 faculty members and PG and Ph.D. students from various departments of DPSRU, DIPSAR and different pharmacy colleges. The audience interacted with the chief guest enthusiastically. The session was successfully concluded by vote of thanks to the Chief Guest. Whole event was also webcasted LIVE on YouTube at <https://www.youtube.com/watch?v=B0wdD8DYmjM>

Additionally, faculty and staff members showed very high enthusiasm in world heart day celebration and shared their pictures while doing their morning physical activities. To boost and restore the cardiovascular health, many staff members cooked heart friendly recipes for morning breakfast and shared the pictures of the same with each other. More than 50 posters on heart diseases, their causes and remedial measures were prepared by the faculties and students of the Pharmacology and Pharm. Biotech. department. All the posters were displayed throughout DPSRU University campus.

The World Heart Day event was successful in delivering the message to the audience about heart health, importance of balance diet, salt intake, physical exercise, importance of sleep and a happy life. The event was well coordinated by Dr. Mukesh Nandave, Coordinator, Dept. of Pharm. Biotech, DPSRU and treasurer, SPARCS, New Delhi.

### **Training on Post Disaster Psychosocial care:**

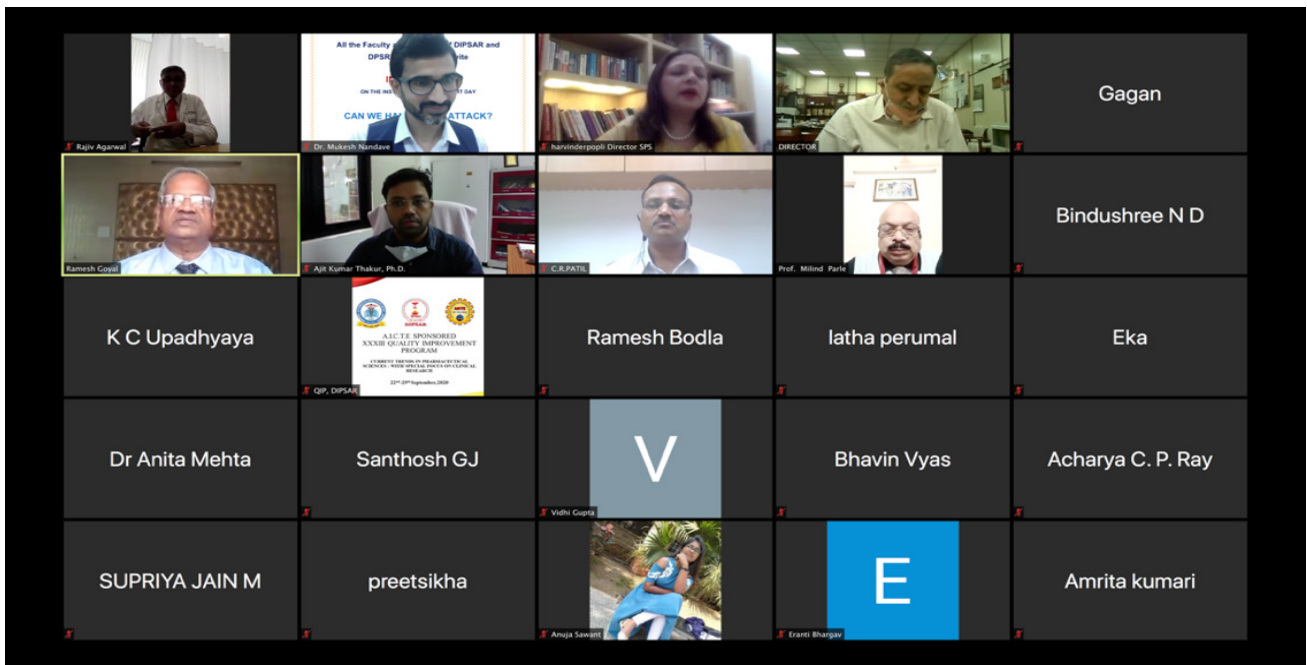
The School of Allied Health Sciences (SAHS) of Delhi Pharmaceutical Sciences and Research University (DPSRU) in association with

“Piare Dilli” People’s Initiative for Action on Rehabilitation, an organization of likeminded people from different professional background conducted a training organized by an N.G.O Concerned Citizen & Project team on **Post Disaster Psychosocial care on 13th March 2020** at DBF, 22 Bhai Vir Singh Marg, New Delhi. The training was attended by Masters students of Department of Public Health DPSRU, Jamia Milia Islamia and Delhi University. The event started with felicitation of guests followed by a well-structured training for sensitizing students for providing psychological and emotional support at the times of disaster. The sessions were conducted by. Mr. Shem Raomai, Head - Disaster Management & Mitigation Unit of Emmanuel Hospital Association. The training gave the students an Overview on Disaster Management, Planning and preparation to mitigate disasters and use of Technology in Planning. The training Programme was coordinated by Dr. Jaseela Majeed.

### **Webinar on “Way Forward for The Health Managers”- An Opportunity Update**

The School of Allied Health Sciences (SAHS), DPSRU with 3 Departments, MBA in Pharmaceutical Management, (MBA-PM), Masters of Public Health (MPH) and Masters of Hospital Management (MHM) has organized a webinar titled, **“WAY FORWARD FOR THE HEALTH MANAGERS”:** An Opportunity Update on October 12, 2020. The webinar showcased 3 distinguished speakers from 3 streams. The virtual session was scheduled from 2.30-







4.00pm. The webinar was aimed to orient the aspirants who wanted to take the above streams as career and also for the students who already joined these programs.

Dr. Jaseela Majeed, Head, School of Allied Health Sciences felicitated the guests, introduced the eminent speakers and the topic of the lecture to the students. Hon'ble Vice Chancellor, Prof. Ramesh K Goyal gave the inaugural address. Dr. Mahesh Burande, Pharma Consultant and Trainer, Honorary Director, I.P.E.R, Pune delivered an expert talk on "Opportunities in Pharmaceutical Management" and touched upon the career options in the areas of Pharmaceutical Management. Dr. Bhaswati Bhattacharya, Fullbright Specialist in Public Health, Weill Cornell Medical College, New York stressed upon the career opportunities in Public Health in India as well as globally. Dr. Ashok Agarwal, Former Director, School of Health Sciences, IGNOU, Adjunct Professor, IHMR, Delhi delivered an expert talk on 'Opportunities in Hospital Management'.

All the speakers introduced the participants to many exclusive examples and challenges in their respective fields and also shared their own



**Delhi Pharmaceutical Sciences and Research University Govt. of N.C.T  
Delhi  
1<sup>st</sup> Pharmacy University of India**




**School of Allied Health Sciences invites  
you to a webinar titled**

**WAY FORWARD FOR HEALTH MANAGERS – AN  
OPPORTUNITY UPDATE**


Under the esteemed guidance of Hon'ble Vice Chancellor

**Prof. (Dr.) Ramesh K. Goyal**


On 12<sup>th</sup> Oct' 2020; 14:30 - 16:00pm



**Dr. Ashok K. Agarwal**  
Former Director, School  
of Health Sciences, IGNOU,  
Adjunct Professor,  
IHMR, Delhi




**Dr. Bhaswati Bhattacharya**  
M.D, M.P.H, PhD  
Fullbright Specialist in Public Health,  
Weill Cornell Medical College, NY



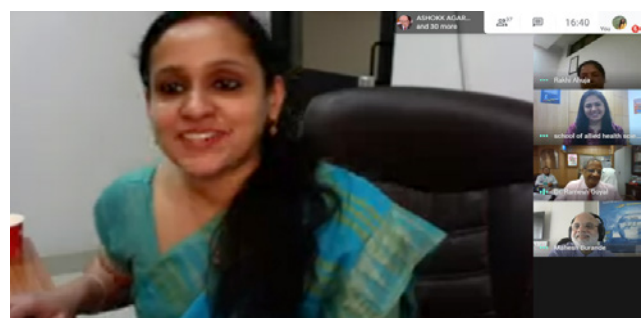
**Dr. Mahesh Burande**  
Pharma Consultant and  
Trainer, Honorary  
Director, I.P.E.R, Pune

**Moderated By:**  
**Dr. Jaseela Majeed** Associate  
Professor and Head, School of Allied  
Health Sciences, DPSRU.



Google Meet

**Registration Link –**  
<https://bit.ly/2SBo6Tx>  
Participants would receive e-  
Certificates



experiences. The session was very interactive and students participated enthusiastically. The Q&A session was handled by Dr. Sheetal Yadav, Department of Hospital Management. The vote of thanks was given by Ms. Rakhi Ahuja, Department of Pharmaceutical Management of SAHS.

### **School of Allied Health Sciences, DPSRU organized a webinar on Palliative Care**

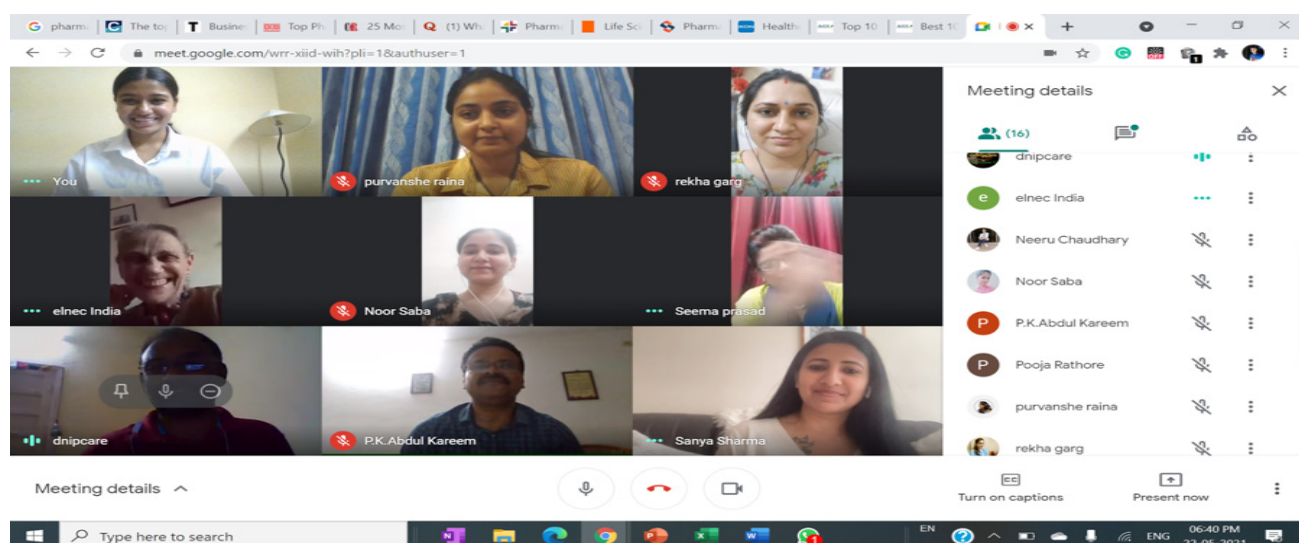
The School of Allied Health Sciences has organized a webinar titled “**Creating a vision of hope through Palliative Care: Role of students**” in association with Delhites’ National Initiative in Palliative Care (DNipCare), a voluntary organization focusses on voluntary services of Patient Care on May15 2021. The virtual session was scheduled from 2.30-4.00pm. Dr. Jaseela Majeed, Head, School of Allied Health Sciences felicitated the guests, introduced the eminent speakers Mr. Antony Cyriac (Economic Advisor at Niti Aayog & Treasurer at DNipCare), Sr. Hanife MacGamwell (Palliative Care Nurse Specialist at ELNEC); and Mr. K.V Hamza (Secretary, DNip Care) and briefed the significance of palliative care during this difficult time. The speakers talked about Palliative Care, discussed the potential a community carries and how students could be a part of it and explained their roles to help the needy ones,

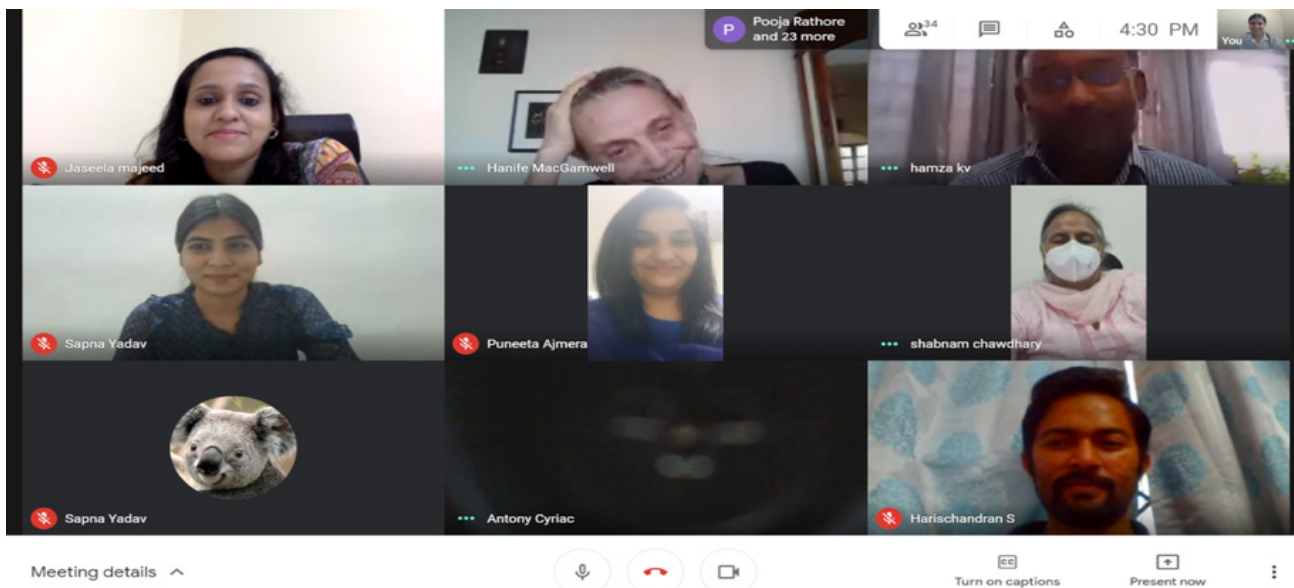
and how students can volunteer the palliative care activities during the devastating times of pandemic. Sr. Hanife motivated the students to take part in volunteering activities, shared her experience from the field, current scenario of palliative care in the world. A volunteer at DNip Care, shared his experience with the students about a real-life situation he encountered. The faculty of Dept. of Public Health, Dr. Puneeta Ajmera and Dr. Swaminathan shared their views in the webinar. The webinar was well coordinated by student representatives Priya Rathore (MBA-PM), Ms. Sapna Yadav (MPH) and Noor Saba (MHM).

### **DPSRU Organised AICTE sponsored XXXV Quality Improvement Programme**

AICTE sponsored XXXV Quality Improvement Programme entitled “Frontiers in Pharmaceutical Education and Research: Emerging Trends in Phytopharmaceuticals” was conducted online from 9 th Oct. to 16 th Oct.2020 at DIPSAR, DPSRU under the leadership of Prof. R.K.Goyal, Vice Chancellor, DPSRU.

The programme started with inauguration by a renowned personality Prof. Shailendra Saraf, Vice President, Pharmacy Council of India. In his inaugural address he stressed upon the importance of traditional plants in





the field of Pharmaceutical research. The objective of the programme was to enrich the knowledge of participants through interaction with eminent international and national speakers from industry and academia. The lectures were delivered on different topics of current era of Pharmaceutical sciences. All speakers shared their deep knowledge, experiences and opportunities available in the field of phytopharmaceuticals Prof. Samba Reddy (Neuroscience and Experimental Therapeutics, Texas, A&M University) gave deep insight on various Pharmaceutical and Pharmacological Therapies for COVID-19, Prof. Veeranoot Nissapatorn, Walaiak University, Thailand, highlighted the role of Medicinal Plants in Acanthamoeba infection, Dr. Mukhlesur Rahman, University of East London, UK, also spoke on use of natural products for battling Antimicrobial resistance which is nowadays a major global crisis. The importance of innovation in Research “Opportunities for Natural Products” was very well explained in an innovative manner by Prof. T. Velpandian, AIIMS, Modernise Clinical Trials & clinical research education by Dr. Rajeshri Patil, Compass Ltd. Los Angeles, Phytopharmaceuticals, a potential game changer for struggling pharmaceuticals by

Dr. C.K. Katiyar, CEO, Emami Ltd, New frontiers in cancer drug discovery : a Paradigm shift by Dr. Shashank Kumar, Scientist E, CSIR- IIM Jammu, Development of

Phytochemicals from lab to Commerce by Pro. Kirti Singh Ladda, ICT Mumbai, Correlating Ayurvedic Pharmacy in Phytochemicals by Dr. Madhusudan Joshi, COP, Goa, Leadership in Higher Education by Dr. Barij N. Sinha, Prof. & Head BIT, Mesra, HPLC and its application in Phytopharmaceuticals by Prof. Karan Vasisht, P.U. Chandigarh, Journey of taking Herbal Drug Formulation for COVID-19, Developed in collaboration with University to clinical trials by Dr. R.K. Goyal, V.C. DPSRU, These are some of the glimpses of this wonderful XXXV online QIP, 2020.

Dr. R. Zafar, Retired Prof. Jamia Hamdard, N.D, Chief Guest of Valedictory Programme, emphasized on the role of faculty in the development of pharmacy education. The programme ended with the national Anthem.

**DPSRU Organized Hands on Training Workshop on “Digital Imaging Microscopy and Application”**

Delhi Pharmaceutical Sciences and Research University, organized One Day Workshop on

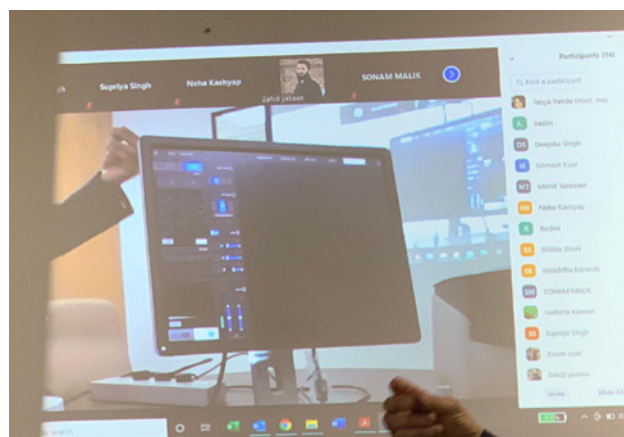
## “HANDS ON TRAINING ON DIGITAL IMAGING MICROSCOPY AND APPLICATION”.

The Training was organized at Department of Pharmaceutics, School of Pharmaceutical Sciences on 2<sup>nd</sup> Feb 2021 at 11.30 am.

The event was started with felicitation of guests. The guests of the event were Mr. Anil Shrivastava Director, Mr. Mukesh, Ms. Deepika and Ms. Simran, Celena S, Biogenuix. The Director, SPS delivered the importance of systematic research and role of said instrument in Pharmaceutical Field. The demonstration was conducted both offline and online using Zoom meeting app. The event was attended by approximately 50 participants encompassing M.pharm and PhD students of various streams such as Cosmeceutics, Industrial Pharmacy and Pharmacology. Staff members Dr. Madhu Gupta, Dr. Mukesh Nandave, Dr. Foziyah, Dr. Madhurima also attended the demonstration. Ms. Deepika started the discussion with an insight on the various types of Fluorescence

Imaging microscopes and then detailed their applications. The instrument is quite handy and compact. It is supported by different lenses and filters which can be changed later to a more recent version. She then described the aspects of digital imaging microscopy and demonstrated the various parts and functions of the microscope.

Mr. Anil Shrivastava also congratulated students for getting such a useful instrument for therapeutic evaluation/ tracking of designed formulations and explained its technical aspects as well as its practical and technical aspects. Mrs. Simran and Ms. Dipika demonstrated the handling of instruments by taking live sample and gave hands on training on Digital imaging system to almost 50 students batch wise in the batch size of 5-8 per each both online and offline mode. The whole program was coordinated by Dr. Madhu Gupta. Everyone learnt about the aspects of **DIGITAL IMAGING MICROSCOPY** and lastly share their feedback with experts.





Inauguration of Community Health Facility, DPSRU



MoU signing ceremony and inauguration of Integrated Clinical Unit at All India Institute of Ayurveda by Hon'ble Vice Chancellor



Visit to National Institute of Biologicals by DPSRU faculty



Awareness Program on Girl Child Day at Charitable Community Hospital in Saket



Innovative mobile lab exhibition organised by DPSRU Innovation and Incubation foundation



MoU signed with Jammi Pharmaceuticals, Chennai for collaborative research and product development

## ALLIED HEALTHCARE PROFESSIONS BILL 2020: EXPLORING NEW HORIZONS BY DPSRU



**Dr. Abhishek Dadhich**

The present Covid-19 pandemic not only turned into a global economic crisis but also exposed the healthcare crisis especially in developing country like India where health care infrastructure is lacking in providing quality and affordable healthcare services to the large population of India. But during the second catastrophic wave of COVID-19 outbreak in India the National Commission for Allied and Healthcare Professions Bill, 2020 (NCAHP) was passed by Parliament in March 2021 which creates a landmark with two reasons. First the impact of this legislation performs paradigm shift in healthcare structure of India. Second the present bill also strengthening the quality and regulatory issues pertaining to Allied healthcare professionals. India healthcare industry has been growing at a Compound Annual Growth Rate of around 22% since 2016. At this rate, it is expected to reach USD 372 Billion in 2022 according to NITI Aayog report. The National Skill Development Corporation (NSDC) reported that healthcare industry can generate 2.7 Million additional jobs in India Between 2017-22 over 500,000 new jobs per year.

India's healthcare industry comprises of many small and large healthcare units like hospitals, medical tourism, wellness clinics, naturopathy treatment and diagnostic labs which not only cater ageing population in India but also accommodate specialized healthcare services to manage lifestyle and mental health for urban masses. To provide quality healthcare services with advance technology advancement paramedics and allied healthcare workers are playing critical role in healthcare professions as like doctors and nurses. The large task force in India is working under the branch of allied

healthcare professions and the New Allied Healthcare Profession Bill (NCAHP Bill 2020) is introduced to regulate and standardize the allied healthcare profession in India. The scope of NCAHP bill 2020 is to regulate and maintain education standards pertaining to allied healthcare professionals, assessment of institutions, maintenance of a Central Register and State Register and creation of a system to improve access, research and development and adoption of latest scientific advancement in allied healthcare services are standardize under this bill.

The allied healthcare professions have large diversified area contributing in different healthcare expertise areas in therapeutic, diagnostic, curative, preventive and rehabilitative interventions. The public health officials like healthcare data analyst, block level managers and field task force are engaged in promoting, protecting and treating people in various healthcare perspectives like physical, mental, social, emotional, environmental health and holistic well-being.

### **Allied and Healthcare Professions Bill 2020**

According to the Health Ministry of India, there is an acute shortage of 0.6 million doctors as well as trained nursing staff in the country as government of India spent less than 01 percent of GDP on public healthcare. However, primary care can be made available to the rural and under-privileged areas by paramedical staff and allied healthcare professionals. Thereby, reducing the dependency on medical graduates, health services can reach a vast majority of our population with minimal investment.

The National Commission for Allied and Healthcare Professions Bill, 2020 was introduced in Rajya Sabha by the Minister of Health and Family Welfare, Dr. Harsh Vardhan, on September 15, 2020 and recently on 24<sup>th</sup> March 2021 the bill was passed from Lok Sabha. The Bill seeks to regulate and standardize the education and practice of allied and healthcare professionals for providing quality healthcare services in urban and rural areas of India.

The key features of Allied Healthcare Professions Bill;

**Allied health professional:** The Bill defines 'allied health professional' as an associate, technician, or technologist trained to support the diagnosis and treatment of any illness, disease, injury, or impairment. Such a professional should have obtained a diploma or degree under this Bill. The duration of the degree / diploma should be at least 2,000 hours (over a period of two to four years).<sup>[5]</sup>

**Healthcare professional:** A 'healthcare professional' includes a scientist, therapist, or any other professional who studies, advises, researches, supervises, or provides preventive, curative, rehabilitative, therapeutic, or promotional health services. Such a professional should have obtained a degree under this Bill. The duration of the degree should be at least 3,600 hours (over a period of three to six years).

**Allied and healthcare professions:** The Bill specifies certain categories of allied and healthcare professions as recognized categories. These are mentioned in the Schedule to the Bill and include life science professionals, trauma and burn care professionals, surgical and anesthesia related technology professionals, physiotherapists, and nutrition science professionals. The central government may amend this Schedule after consultation with the National Commission for Allied and Healthcare Profession.

The Bill sets up the National Commission for Allied and Healthcare Professions. The Commission will consist of: (i) the Chairperson, (ii) Vice-Chairperson, (iii) five members (at the level of Joint Secretary) representing various Departments/ Ministries of the central government, (iv) one representative from the Directorate General of Health Services, (v) three Deputy Directors or Medical Superintendents appointed on a rotational basis from amongst medical institutions including the AIIMS, Delhi and AIIPMR, Mumbai, and (vi) 12 part-time members representing State Councils, among others.

### **Exploring New Horizons in Allied Healthcare Profession by Delhi Pharmaceutical Sciences and Research University**

With the aim of developing well trained and skilled healthcare professionals with quality educations and training programs in India, Delhi Pharmaceutical Sciences and Research University already conducting unique allied healthcare programs like Physiotherapy, Post graduate courses in Hospital Management, Public Health and Pharmaceutical Management. During the two-year post-graduation courses students learn about current practices and trends adopted by healthcare industries or organizations. The undergraduate program of Physiotherapy i.e Bachelor's in Physiotherapy offers a well-organized, innovative, and job-oriented course curriculum emphasizing on evidence-based practices through structured exercises, hands on treatment and patient education.

In context to New Allied Healthcare Profession Bill and to overcome the limitations of the manpower in healthcare sectors, under the directions of Hon'ble Vice-Chancellor Prof (Dr). Ramesh Goyal, the Delhi Pharmaceutical Sciences and Research University is planning

to start new courses from the coming session 2021-22 which are as follows.

1. Diploma in Medical Laboratory Technology
2. Bachelor's in Medical Laboratory Technology
3. B. Pharm. (Ayurveda)
4. PG Diploma in Plant Tissue Culture
5. Bachelor of Business Administration (Community Healthcare)
6. Master of Business Administration (Pharmacy Economics and Trade)
7. Master of Physiotherapy (Cardiopulmonary)
8. Master of Physiotherapy (Rehabilitation)
9. M.Sc. in Medical Artificial Intelligence.

**Program highlights:**

Most of the proposed programs are first of its kind in India.

Programs are rightly designed to produce middle level young scientists who can competently work in allied healthcare sectors with different specialties.

The aim of the program is to produce allied health science graduates of highest academic, technical, and practical skill.

The programs enable students to enhance the knowledge and practical skills in public health, health systems, laboratory diagnosis, nutrition and healthcare policy, pharmaceutical Ayurveda and trade and economics pertaining to pharmaceutical business.

Develop skills in designing, analyzing and evaluating applied public health science research and management.

The programs also focus on communication skills and Personality development of individual students.

The University has rich experience and collaboration with various healthcare organizations to conduct the above-mentioned programs, the large intellectual pool with in-depth subject and practical knowledge facilitates students in planning their career and find the types of job opportunities available in the area of interest.

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## P.G. AND Ph.D. PROGRAMME



*Prof. C. R. Patil and Dr. Priti Jain*

DPSRU (including DIPSAR) carries a legacy of innovation and ground-breaking research. It is the first Pharmaceutical University of the country which stands to its name by providing quality education and performing excellent and outstanding research. DPSRU-DIPSAR is known for its research in various thrust areas:

- Clinical research
- Drug discovery using Computational and synthetic chemistry
- Development of nano-formulations
- Herbal Drug Technology
- Regulatory studies for new Drugs
- Method development and validation

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

### **Regulations for admission in PG courses:**

For M. Pharm., the merit list of candidates for admission is formed by taking 50% of weightage for marks in theory and practical together in II, III and IV yrs (or III to VIII semesters) and 50% weightage for GPAT score. Candidate seeking admission to the M. Pharm. and MBA in Pharmaceutical Management course must have passed the Bachelor of Pharmacy examination with at least 55% in the aggregate of theory and practical of II, III and IV year from PCI approved Institute / University. GPAT qualified candidates

are considered for admission first. In case GPAT candidates are not available, non GPAT candidates can be considered for admission, on the basis of merit. 15% of the total seats are filled by non-Delhi candidates (including from NCR of Delhi) with valid GPAT score and completed B. Pharm. examination with 55% from PCI/AICTE recognized University. Remaining 85% of the total seats are filled by graduates passed out from Delhi Colleges/Universities with valid GPAT score in order of preference of disciplines. Out of 85% seats of Delhi category, 70% seats will be given to DIPSAR/DPSRU candidates and remaining 15% will be reserved for Delhi Non-DPSRU candidates from NCT of Delhi. Candidates seeking admission in Master of Hospital Management (M.H.M.) / Master of Public Health (M.P.H), must have passed B. Pharm. / M.B.B.S. / B.D.S. / B.H.M.S. / B.U.M.S. / B.A.M.S. / B.P .T. degree examination of an Indian university established by law in India from an institution approved by their respective Councils of India (PCI, MCI, DCI, AYUSH, Homoeopath, Ayurveda, Unani councils, DCPT & OT) and has scored not less than 55 % of the maximum marks. Every student, selected for admission to post graduate program in any council approved institution should have obtained registration with the State Council.

For admission to M.Sc. Sports science, the candidate should have a degree with **B.Sc. (Hons.) Sports Science, B.Sc. (Physical Education, Health Education & Sports), B.P.Ed., B.P.E., B.P.E.S., or sports related undergraduate program and equivalent with 55% marks in aggregate in all the semesters in examinations by universities recognized by University Grants Commission or any statutory bodies of Govt. of India.**

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

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

The candidates, who desire to be student for Ph.D. programme in the university, must have Master's degree with at least 60% marks in Pharmaceutical Sciences or Business studies or Hospital Administration or Physiotherapy or any other allied subject. The candidate has to appear for Entrance examination for taking admission and minimum qualifying marks are 50%. After qualifying examination, an interview is organized where the candidates are required to discuss their research interest/area through a presentation before a duly constituted expert committee. The number of seats for Ph.D. depends on the availability of supervisor. The successful candidates from the entrance examination and interview are enrolled as Pre-Ph.D. candidates for the course with the consent of the supervisor. The duration of the Pre-Ph.D. course is of one semester/Six months. The Pre-Ph.D. course includes modules on Research methodology, Biostatistics and Computer applications, Communication skills, IPR, Entrepreneurship, and Advances in Pharmaceutical Sciences and Current topics on subject of specialization. After qualifying the Pre-Ph.D. course, the candidate can apply for the final registration to the Ph.D. programme with write up and presentation of the proposed research work to Doctoral Student Research Committee (DSRC). Every research

scholar during Ph.D. is required to show continuous progress of work to the supervisor and submit half yearly report to the DSRC with the approval of supervisor. Further the progress of Ph.D. research work is monitored by University Research Advisory Committees (URAC). After the completion of research work, the supervisor organizes pre-thesis seminar, to appraise about research work in front of DSRC. If DSRC satisfies with pre-thesis seminar, the report on the pre-thesis seminar is placed in front of URAC for approval. A minimum of 4 DSRC meetings are conducted during Ph.D. The research scholar can submit the thesis within a maximum period of 6 months from the date of submission of pre-thesis synopsis after approval. The university checks to detect any plagiarism or any other forms of academic dishonesty in the submitted thesis. After the submission of thesis, viva-voce examination is conducted and all the reports of examiners are placed before URAC to award the degree with the approval of Academic Council. The university has a provision to submit soft copy of Ph.D. thesis to UGC within a period of 30 days, for hosting the same in INFLIBNET, accessible to all Institutions/Universities. The candidate has to submit the thesis within a period of five years, but not before two years from the date of his/her registration.

**Ongoing Doctoral Research Projects:** Currently 93 Ph.D. research scholars are pursuing their Doctoral Research Projects in the university. A total of 103 students are admitted for Ph.D. programme in DPSRU till now. Out of which, 71 students have cleared the pre-Ph.D. course work and are registered for Ph.D. research work. In the current batch (2019-20), 23 students are admitted in Pre-Ph.D. 21 candidates of Ph.D. are working on Government funded research projects. In 2020-21, URAC of the university is constituted by Hon'ble Vice-Chancellor with external experts including Dr. Rajesh Jain (Managing Director, Panacea Biotec Ltd.) and

Rao V S V Vadlamudi (President, Commonwealth Pharmacists Association & Immediate Past President, Indian Pharmaceutical Association). 3 URAC meetings are conducted till now and progress report of 44 Doctoral students was approved for further action. Various guest lectures for Ph.D. and PG students were organized, which included expert talks on Research methodology, Scientific & Medical

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

S. No	Name of the Guide	Name of the PhD student	Title of ongoing Project
1	Gaurav Kumar jain	Gaurav	Not yet decided
2	Gaurav Kumar jain	Amardeep Kaur	Not yet decided
3	Madhu Gupta	Ms. Meghna Amrita Singh	Development and characterization of nanocarriers for wound healing management
4	Madhu Gupta	Neha Raina	Development and Evaluation of effective thermosensitive hydrogel novel formulation for management of wound healing
5	Madhu Gupta	Ms. Radha Rani	Development and Characterization of thermosensitive hydrogel for Rheumatoid Arthritis management
6	Madhu Gupta	Ms. Shweta	Not yet decided
7	Puneeta Ajmera (Co-supervisor)	Sheetal Kalra	A Comparative study of Physical Fitness, psychological health and associated factors among post menopausal women in selected Rural and Urban areas of Gurugram
8	Puneeta Ajmera (Co-supervisor)	Shilpa Jain	Efficacy of Transdermal drug delivery of succinylcholine in myofascial pain syndrome in comparison with conventional physiotherapy treatment-A randomized controlled trial
9	Puneeta Ajmera (Co-supervisor)	Sapna Dhiman	Prevalence of sensory processing disorders and efficacy of physiotherapeutic intervention incorporating vestibular stimulation therapy on balance and gross motor function in Children with spastic cerebral palsy
10	Puneeta Ajmera	Mehak Javadi	Not yet decided
11	Dr Jaseela Majeed	Nisha Nair	Phytochemical screening and biological evaluation of potential antiviral phytomolecules derived from Indian ethnomedical plants
12	Dr. Rajiv Kumar Tonk	Parul Sharma	Formulation and efficacy of new iontophoretic gel on pain, function, quality of sleep & walking speed of knee osteoarthritic patients: An experimental study.
13	Dr Jaseela Majeed	Jurnal Reang	Design, synthesis and evaluation of nitrogen containing heterocyclic ring as anticancer agents
14	Geeta Aggarwal	Pankaj Musyuni	An impirical analysis of Innovaton and Technology transfer landscape in India

S. No	Name of the Guide	Name of the PhD student	Title of ongoing Project
15	Geeta Aggarwal	Pankaj Kumar	Targeted nanostructured lipid carriers of anticancer drug for breast cancer therapy
16	Geeta Aggarwal	Nidhi	Recently admitted
17	Dr. Jaseela Majeed	Vinita	"Multi-targeted Nitrogen bearing heterocycles for Alzheimer's disease"
18	Dr Harvinder Popli	Ruchi Singh	Novel topical Nano Protein based formulations to overcome nutrition deficiencies of hair and skin
19	Dr. Rajani Mathur	Arshvir Kaur	To evaluate the protective role of medicinal plants against breast cancer induced by 7,12-dimethylbenz(a)anthracene, mobile phone radiations and fructose-drinking in adolescents/ young female rats
20	Dr. Rajani Mathur	Ruchi Tripathi	To study the impact of EMF radiation from mobile handset on central glucosensing mechanism and mitochondrial dysfunction in fructose fed developing rats.
21	Dr. Rajani Mathur	Mitul Srivastava	Structural analysis of $\beta$ catenin and its protein partner to elucidate therapeutic insights using computational methods
22	Ramesh Bodla	Uma Maheshwari	Microbial Biotransformations for the synthesis of few selected Bio-Molecules and their Characterization
23	Ramesh Bodla	Venkateshwarlu Garla	Extraction, Characterization and Biological activity selected Natural Products and their semi synthetic derivatives for Anti Alzheimer's Activity
24	Ramesh Bodla	Sonam Kundral	Isolation and Characterization of Certain Cytotoxic Principles from Natural Products
25	Dr Sushama Talegaonkar	Namita	Design and development of novel formulation of phytopharmaceutical in treatment of nonalcoholic fatty liver diseases
26	Dr Sushama Talegaonkar	Debopriya	Design and development of functionalized nanoconstructs for solid tumor targeting
27	Dr Sushama Talegaonkar	Saba	Economic evaluation of interventions for prevention and control of Cardiovascular Diseases
28	Dr Sushama Talegaonkar	Afeefa Noor Khan	Recently admitted
29	Dr Dharam Pal Pathak	Garima Chauhan	Design, Synthesis, Molecular docking studies and biological evaluation of some novel isatin hybrids as potential agents against breast cancer
30	Dr. Saurabh Dahiya	Niharika	Recently Admitted
31	Minakshi Garg	Priyanka Nagar	Stability Indicating HPLC Method Development and Validation for the Estimation of Antiviral and Antidiabetic Drugs in Combined Dosage Forms

S. No	Name of the Guide	Name of the PhD student	Title of ongoing Project
32	Minakshi Garg	Amit Kamboj	Drug interaction between Non-communicable disease or Communicable disease
33	Minakshi Garg	Shilpa Chaudhary	Pharmacovigilance of Head & Neck Cancer
34	Dr. Abhishek Dadhich	Ms. Nahid Ansari	Not yet decided
35	Dr. Abhishek Dadhich	Mr. Rajib Ku Sah	Not yet decided
36	Dr. Meenakshi Chauhan	Mr. Pankaj Kumar Sharma	Development and Evaluation of Ophthalmic Drug Delivery System for Treatment of Glaucoma
37	Dr. Meenakshi Chauhan	Mr. Nitin Yadav	Development of short peptide based self-assembling nanostructure as drug delivery vehicle for brain and as a scaffold for tissue engineering
38	Dr. Meenakshi Chauhan	Mr. Mahendra Yadav	Evaluation of Chlorella as a potential drug for Nuclear disaster management
39	Dr. Meenakshi Chauhan	Ms. Himanshu Kushwah	Development and Evaluation of Novel Hemostatic Products Based on Natural Gums
40	Dr. Meenakshi Chauhan	Ms. Monika Targhotra	Formulation and evaluation of Nanocarrier system of anti-tubercular drugs co-loaded with bioactive agents for the effective management of tuberculosis
41	Dr. Meenakshi Chauhan	Mr. Chandrashekhar Chakole	Nanocomposite hydrogel of bioactive agent with brinzolamide for effective management of glaucoma
42	Dr. Ajay Sharma	Asma Parveen	Not decided
43	Dr Ajay Sharma	Basudev Viswas	Not decided
44	Dr. Deepti Pandita	Juhi Mishra	Not yet finalized
45	Dr. Deepti Pandita	Vakar Younes	Not yet finalized
46	Dr. Deepti Pandita	Mamatha Davuluri	Not yet finalized
47	Dr J Swaminathan	Sharmila Dusi	Phytochemical Analysis, Formulation and evaluation of nanoemulsion in dried fruit extract of phytopharmaceuticals for GI disorders
48	Dr Anoop Kumar	Manish Soni	Not yet decided
49	Dr Mahaveer Dhobi	Supriya Sharma	Standardization, phytochemical and analytical studies of antiviral plants of Aravalli Biodiversity
50	Dr Mahaveer Dhobi	Ritu Tiwari	Bioprospection and bioactivity studies on industrially important Aegle marmelos and Plumbago species viz. P. zeylanica, P. indica, P. auriculata medicinal plants
51	Dr Mahaveer Dhobi	Vivek	Not yet decided

S. No	Name of the Guide	Name of the PhD student	Title of ongoing Project
52	Dr Mahaveer Dhobi	Divya Sharma	Not yet decided
53	Dr Priti Jain	Anusha Thota	Method Development and Validation for Simultaneous Estimation of antiretroviral drugs in bulk and formulations using HPLC and LC-MS/MS
54	Dr D. P. Pathak	Pragya Dubey	Design, synthesis, molecular modelling and biological evaluation of novel substituted triazine derivatives as potential anti-breast cancer agents.
55	Dr D. P. Pathak	Vaishali	Formulation development of various agents to improve its efficiency as internal decorporation agent
56	Dr D. P. Pathak	Renu Bala	Design and development of novel formulations for prophylaxis and treatment of cold injury at high altitude
57	Dr D. P. Pathak	Anita	Topic structural insights into identification of small molecules that can modulate lipid homeostasis
58	Dr D. P. Pathak	Vivek	Synthesis and characterisation of insoluble Prussian blue as an pharmaceutical ingredient for decorporation of cesium and thalium
59	Dr D. P. Pathak	Manju	Chemical profile, bioactivities of some volatile oils to develop topical formulation for acne management.
60	Dr D. P. Pathak	Anant Verma	"Biosimilars: The impending effects of new generation drug on industries and regulatory agencies of the world"
61	Dr. D. P. Pathak	Garima Chauhan	Design, synthesis, molecular docking studies and biological evaluation of some novel isatin hybrids as potential agents against breast cancer.
62	Dr. P.K. Sahoo	Bhumika Kumar	Development of DDS for the treatment of Psoriasis
63	Dr. P.K. Sahoo	Neha	To develop and evaluate NLC, intranasal bypass DDS for the treatment of Parkinson's disease
64	Dr. P.K. Sahoo	Shweta Paroha	Development and evaluation of novel drug strategy for improved cancer chemotherapy
65	Dr. P.K. Sahoo	Laxmi Rani	To formulate and evaluate noisome drug delivery system for Rheumatoid Arthritis
66	Dr. P.K. Sahoo	Mukesh Pandey	Development of formulations using alternative treatment strategies for alopecia (Baldness)
67	Dr. P.K. Sahoo	Ashwini K. Mishra	Development and Biopharmaceutical evaluation of different formulations for hepatoprotective activity
68	Dr. P.K. Sahoo	Rahul Kumar Kadiyan	Development of herbal body cream having emollient, moisturizing, skin nourishment and stress relieving activity/ effect for management of psoriasis.
69	Dr. P.K. Sahoo	Harsh Chaudhary	Healthcare consumption, experiences of care and test of intervention in frail old people: Implication for case management

## INTERNATIONAL NETWORKING



**Dr. Mahaveer Dhobi**

“Coming together is a beginning;  
keeping together is progress;  
*working together is success.*”

Inspired by Henry Ford's quote, Delhi Pharmaceutical Sciences and Research University (DPSRU), the first Pharmacy University of India has left no stone unturned to establish a strong and amicable bond at the international level, progressing towards a path of success.

Like every other sphere of life was affected by the COVID-19 pandemic, the international exchange of students and teachers at DPSRU was drastically affected too. Despite the adverse conditions, one of our faculty members, Dr. Mahaveer Dhobi, received the Commonwealth Fellowship for infectious diseases from the Government of the United Kingdom and brought laurels to the university. This also opened gates for the exchange of students with the University of East London, United Kingdom, especially for research in the field of infectious diseases.

This year, due to the ongoing pandemic all the interactions that took place with the international universities were online, in a virtual mode. The AICTE sponsored Quality Improvement Program (QIP) was organized by Delhi Institute of Pharmaceutical Sciences and Research University, a constituent institute of DPSRU. International presence was seen throughout the 4 QIP Programs held from 14<sup>th</sup> September to 16<sup>th</sup> October 2020. The XXXII QIP was graced by 11 international speakers namely Dr. Sunil Sharma from the University of St. Andrews UK; Dr. Shridhar Andurkar from the Mid-Western University, Chicago, USA; Dr. Sushil Gulati, a Business consultant and advisory from the USA; Dr. Rohinton Toddywala from the USA;

Dr. Visvaldas Kairys from Vilnius University, Lithuania; Dr. Sudhakar Garad, Global Head, CPP from Novartis, USA, Ms Sangita Malhotra from New York, USA; Dr. Manoj Jadhav, founder and CEO, ISHA Therapeutics, USA, Mr. Umesh Pai, Associate Vice President, R& D, Sun Pharma, USA; Prof. Santosh Rudrawar Griffith University from Australia and Dr. Pramila Shrivastava, Community Head, USA. XXXIII QIP was graced by 2 international speakers viz Dr. Bhausaheb Patil, Clinical Research Leader, IQVIA/ legacy companies, UK and Dr. Renu Agarwal, Associate Dean- School of Medicine, International Medical University, Malaysia. XXXIV QIP saw the presence of Dr Renu Agarwal from Malaysia and XXXV QIP was graced by 4 eminent international speakers namely Dr. Veeranoot Nissapatorn, Walailak University, Thailand; Dr. Mukhlesur Rahman, the University of East London from the UK; Dr. Rajeshri Patil, Compass Ltd. Los Angeles, USA and Dr. Samba Reddy, Neuroscience and Experimental Therapeutics, from Texas A&M University.

DPSRU in collaboration with Walailak University, Thailand initiated a research project on “Development of Nanocarrier based formulations of herbal extracts” to develop Nano-formulation of pure extracts of *Curcuma longa* and *Garcinia mangostana* for the antibiotic and antiparasitic effect. Two formulations were developed successfully, which will be utilized for oral and ocular drug delivery. The team members for this collaborative project are Prof. Ramesh K. Goyal, Prof. Geeta Aggarwal, Dr Mahaveer and Dr Gaurav K. Jain.

An “International COVID-19 Webinar: Current Scenario, Opportunities and Challenges” was organized on 23 September 2020 by University of Aveiro, Portugal and, Prof. Ramesh K. Goyal, Vice Chancellor, our Vice-Chancellor presented an invited talk on “Development of Protocol for the Treatment of Patients with COVID-19 through Herbal Medicines”. Other speakers from France, USA, Brazil, Portugal and Thailand were also delivered lecture and panellist discussion.

Further, at the 7<sup>th</sup> International Conference on Health, organized by *Minho University*, Portugal which was held between October 7-9, 2020, Prof. Goyal was invited as a speaker, wherein he delivered an online talk on the issue “A new Emerging Pandemic from COVID-19”. Also, he was involved with the renowned professors of other countries like Thailand, Australia, Portugal etc in a paper titled “Pharmacology Potential of Plants in the Treatment of Diabetes: from Traditional to Phytonanotherapy.”

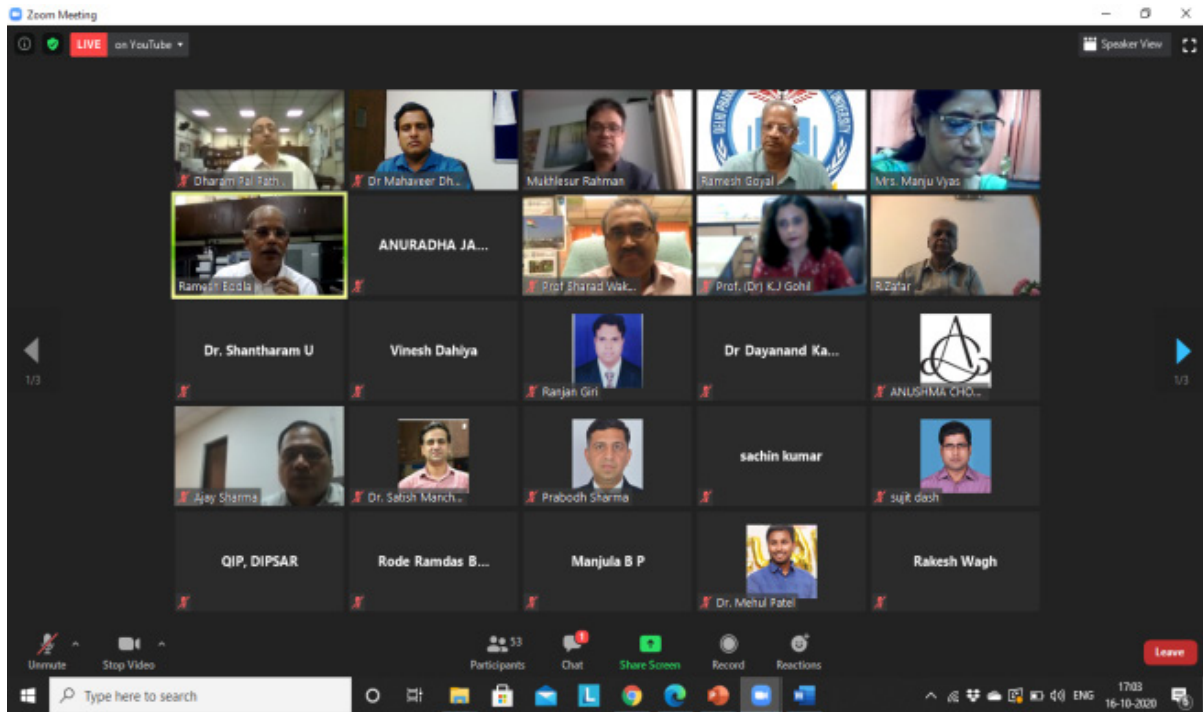
A Memorandum of Understanding (MoU) is in process of signing between DPSRU and the School of Pharmacy, Faculty of Medical Sciences, The University of the West Indies, St. Augustine, Trinidad & Tobago, West Indies. This MoU would serve as a platform for the students to explore more, get a wider perspective and enhance the research capabilities of both countries. Also, Prof. Goyal delivered a talk on “Role of Herbals in AIDS, COVID-19 & diabetes” on the occasion of Worlds AIDS day dated 1<sup>st</sup> December 2020.

Moreover, Asia-Pacific Consortium of Researchers and Educators, Inc (APCORE) conducted a virtual conference from 2<sup>nd</sup> to 4<sup>th</sup>

December 2020 and Prof. Ramesh K Goyal, Vice Chancellor was invited as a key note speaker for the “From Natural Products to Treatment Modality and Drug Discovery” and delivered a talk on the “Regulatory Relaxations across the World for New Drug Discovery for COVID 19” in the international conference.



Our University appointed two new Adjunct Professors: Dr Kamlendra Singh and Dr Subbu Appasundaram. Dr Kamlendra Singh, is currently working as Associate Research Professor, Bond Life Sciences Center, University of Missouri Columbia, USA. Dr Singh is a trained biochemist and structural biologist. His current research focuses on three components: (a) HIV drug susceptibility and resistance. (b) Study of the mechanism of nucleic acid metabolism by bacterial, viral and mammalian nucleic acid polymerases and helicases. (c) The discovery of small molecule inhibitors targeting different viruses and cancer. Dr. Subbu Appasundaram, CDO & COO, Co-Founder, Celix Biosciences, Inc. Newark, New Jersey, USA. He has solid experience in conceptualizing, formulating and implementing basic science to drug discovery strategies. He is highly skilled in target validation, lead identification and clinical candidate selection.

We look forward to more international collaborations both virtual and real in the coming years. The world has so much to offer, and the exchange of students and teachers across countries can unleash the hidden potential pertaining at every corner of the globe leading to marvellous discoveries. As said by Steven Anderson, “Alone we are smart. Together we are brilliant” and DPSRU aims brilliance.



# DIETARY SUPPLEMENTS IN HEALTH CHROMIUM FRIEND OR FOE?

**Free Webinar** **NOVEMBER 25<sup>TH</sup>, 2020**  
**2:30-3:30PM GMT**

 <b>Chromium III and cardiovascular diseases</b> Prof. Ramesh K. Goyal New Delhi Pharmaceutical University, India
 <b>The role of chromium in diabetes</b> Prof. John Vincent The University of Alabama, USA

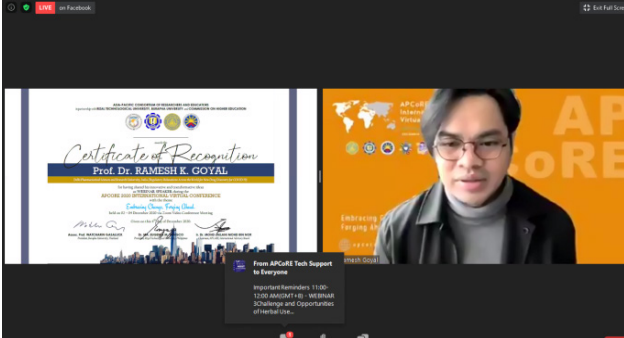
**SECURE YOUR SPOT**



**SCHOOL OF PHARMACY**  
**WORLD AIDS DAY WEBINAR**

**The Role of Herbs in AIDS, Covid-19 & Diabetes**  
December 1, 2020 @ 1pm EC

Guest Lecturer  
Prof. Ramesh Goyal, Vice-Chancellor  
Delhi Pharmaceutical Sciences and Research University, New Delhi, India

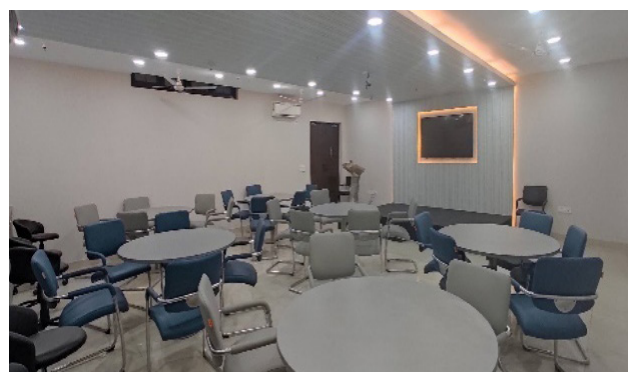



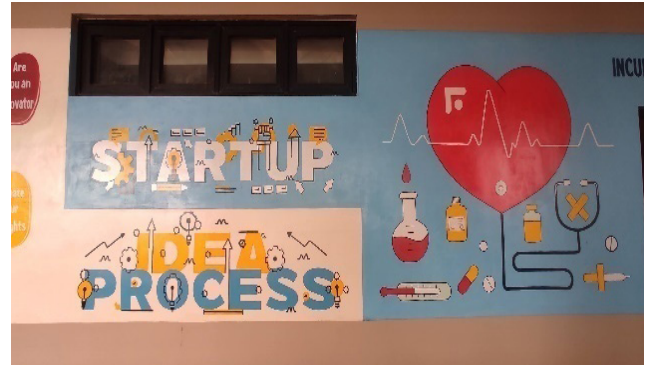
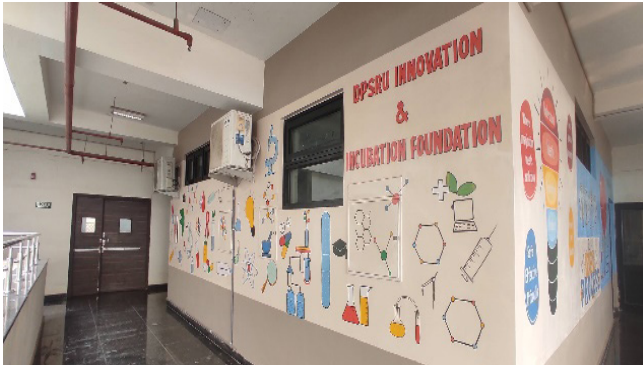
## DIIF ACTIVITIES

Prof. Harvinder Popli and Mr. Naveen Kumar

### Recent Developments at DIIF:

1. Establishment of new training center with seating capacity of 30 and a board room cum meeting room from 12 Lakh CSR Grant from ICICI Bank
2. Fully Wi-fi Incubated space.
3. Empanelment of six new mentors.
4. Launch of revamped website of DIIF.
5. Following four research equipments received from Fresenius Kabi Oncology Limited under CSR Grant:
  - Drug Dissolution Apparatus
  - Spectrofluorometer
  - Refrigerated Centrifuge
  - Analytical Balances
6. Commissioned of following Lab Instrument (BIRAC-BioNEST funded)
  - High-performance thin-layer chromatography
  - Trinocular Research Microscope
  - Autoclave Steam Sterilizer
  - Lyophilizer (To be commissioned shortly)
  - Rheometer (To be commissioned shortly)
  - Mini Spray Dryer (To be commissioned shortly)
  - High Performance Liquid Chromatography (To be commissioned shortly)
  - Preparatory HPLC (To be commissioned shortly)
  - Extraction System (To be commissioned shortly)
  - A class 10,000 clean room for cell culture experiments (Starting shortly)

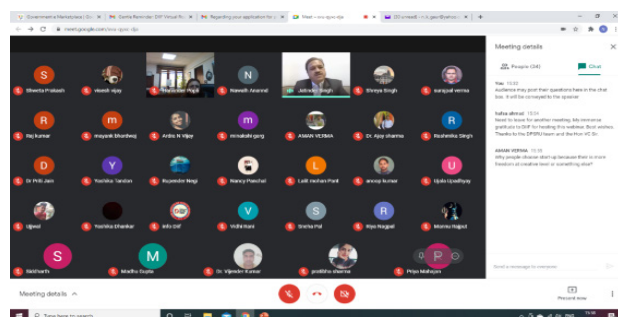
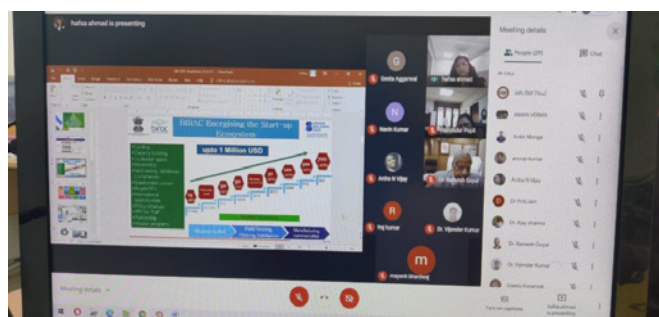
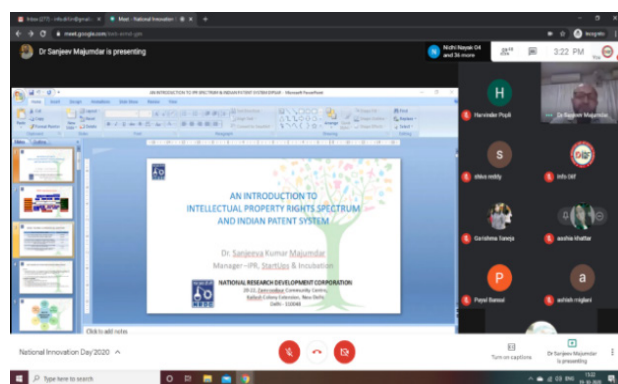
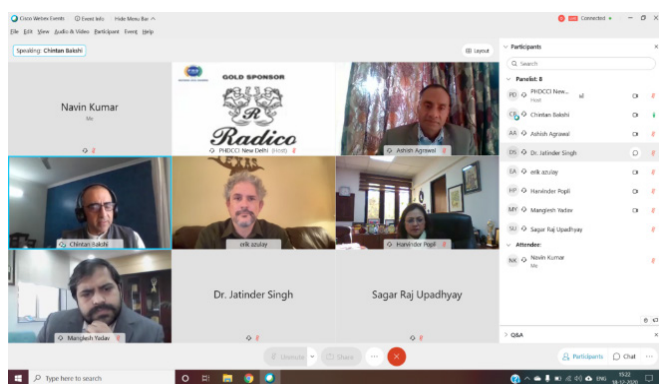




## Key Highlights

Total incubation space	10,000 sq. ft
No. of Startups Supported so far	17
Amount of Seed funds provided so far	52.5 lakhs
No. of Startups present in the market	3
No. of start-ups graduated	8
No. of start-ups currently hosted	9
Mode of Incubation	Physical or Virtual
Model of Engagement	Equity based or rental

S. No	Title of the Event	Mode	Date
1	QnA Session on Development of Startup Ecosystem for Pharma Industry; Presenter - Dr. Muthu Singaram, IIT Madras	Webinar	07.05.2020
2	E-Healthhack COVID 19: unlocking solutions for prevention; Presenter – Prof. Rakesh Bhatnagar, VC, Banaras Hindu University	Webinar	15.05.2020
3	Market Research: Basics, Essential Tools and Strategy; Presenter – Anshul Sharma, CEO and Founder of liftedolutions.com	Webinar	30.05.2020
4	Basic Virus Biology and Diagnostics; Presenter – Dr. Sheeba Alam, Nodal Officer, DPSRU	Webinar	08.06.2020
5	Lessons from the MHRD Sessions 2020: Market Research; Presenter – Dr. Sheeba Alam, Nodal Officer, DPSRU	Webinar	09.06.2020
6	Lessons from the MHRD Sessions 2020: Scaling Up Business; Presenter – Dr. Sheeba Alam, Nodal Officer, DPSRU	Webinar	01.07.2020
7	The Impact Week (India vs Covid 2020)	Webinar	24.07.2020 - 26.07.2020
8	‘HPTLC Instrument & Application Training” presented by Dr. Saikat Mallick, Assistant Manager (Anchrom enterprises Pvt. Ltd.	Webinar	17.08.2020
9	My India My Startup 100 Unicorns by 2025	Webinar	17.09.2020
10	How not to kill your Invention	Webinar	30.09.2020
11	An Introduction to IPR Spectrum & Indian Patent	Webinar	19.10.2020
12	Virtual Incubation Webinar	Webinar	18.12.2020
13	Opportunities After pharmacy	Webinar	10.01.2021
14	Global Bio India 2021 VIRTUAL ROADSHOW	Webinar	24.02.2021
15	Cancer Prevention & Palliative Care	Webinar	10.03.2021
16	Optimum Regulations, Quality Standards & Controls for Med Tech	Webinar	12.03.2021
17	Anton PaarIndia Mobile Lab Showcase	Roadshow	15.03.2021
18	Scope of WHO Gmp Certificate In Pharma. Industry & Govt. Support	Webinar	26.03.2021



## CENTER FOR MEDITATION & YOGA SCIENCES



*Dr. Shilpa Jain and Acharya CP Ray*

Delhi Pharmaceutical Sciences and Research University (DPSRU), is the first Pharmacy University of India, running several courses in health sciences including Physiotherapy and Public Health. It is also having a Yoga and Fitness Centre with equipments to assess diseases and health. Yoga and Fitness Centre was established on June 21, 2016 with a contribution from Indian Renewable Energy Development Agency. Acharya Shri C.P. Ray was appointed as the instructor. Initially, it was used to provide Yoga classes to students and staff of the Institute (DIPSAR) and the University. Later, in September 2016, formal modules were introduced and the center started to provide 3 credit course for Pharmacy and Physiotherapy in the University curriculum for which the students attended the classes and appeared for the university examinations. On 2<sup>nd</sup> March, 2017 a Memorandum of Understanding was signed with Indian Renewal Energy Development Agency (IREDA) to promote Yoga, and a certificate program (Certificate Course in Yoga) was initiated for the benefit of community and society. Yoga course has been included in the curriculum which enables the students to perform and concentrate better in their respective professions. More than one hundred students of M.Pharm., MHM, MPH, MBA and BPT in three batches are being trained in the yogic Sciences. Currently the university is training 7<sup>th</sup> Batch of Certificate Course in Yoga (6 months).

DPSRU has always promoted certain outreach programs for fitness and health. With special support from the Govt. of NCT of Delhi the University has started “Centre for Meditation and Yoga Sciences”, with a one year

(3 trimester) course “Diploma in Meditation and Yoga Sciences”. While DPSRU is going to be the nodal center, 24 centres have been established across NCT of Delhi. The vision of the course is to see that every citizen healthy through Spritual and Scientific healthy practices. The mission of the center will be to encourage people practicing Meditation and Yoga Sciences and there by spreading Harmony, Happiness, Health and Mindfulness.

Objectives of the Center for Meditation and Yoga Sciences

To design, develop and impart various courses for Yoga, Meditation, and nutrition to promote healthy life style in the society.

To promote the concept of Meditation and Yoga as the complementary therapy and sound health

To establish satellite centers for spreading the knowlege and awareness for such programs.

**The Centre was inaugurated and the project was launched by Hon’ble Chief Minister and Dy. Chief Minister, Govt. of NCT of Delhi, on the eve of International Yoga Day’ 2021.**

In its initial phase over 550 students have been admitted for the diploma course in 1st batch and approximately 300 students have been enrolled in 2nd batch. The students are receiving their education through both online and offline mode. Alongside the Honorary Director and consultants have already been appointed to carry out all the administrative works and to run the center smoothly. 30 Yoga instructors are training the students with a wish to spread this science not only nationally but till every and last corner of the world.



Hon'ble VC addressing Media

## AICTE-QIP NODAL CENTRE AND QUALITY IMPROVEMENT PROGRAMMES (QIP) XXXII – XXXV



**Prof. P.K. Sahoo and Mrs. Amrita Parle**

Delhi Institute of Pharmaceutical Sciences and Research (constituent college of DPSRU) organized following online AICTE sponsored Quality Improvement Programs (QIP) for faculty members from 14.09.2020 to 16.10.2020. The Programs were successfully completed under the able guidance by Prof. R.K. Goyal, Hon. VC, DPSRU and Prof. D.P. Pathak, Director DIPSAR.

Quality Improvement Program	Date	Speakers	No. of Participants	Program Co-ordinators
XXXII QIP Updates In Pharmaceutical Research	14.09.20 to 21.09.20	International: 9 National: 15	55	Prof. Sharad Wakode Mrs. Amrita Parle Dr. Himangini
XXXIII QIP Current trends in pharmaceutical Sciences: with special focus on Clinical Research	22.09.20 to 29.09.20	International: 3 National: 20	70	Dr. Rajani Mathur Dr. S. Latha Dr. Sachin Kumar
XXXIV QIP New Era in Pharmacy- Discovering the Importance of Pharmacy Profession in the Covid Pandemic Scenario	30.09.20 to 08.10.20	International: 1 National :22	77	Dr. P.K.Sahoo Dr. Meenakshi Chauhan Dr. Satish Manchanda
XXXV QIP Frontiers in Pharmaceutical Education and Research: Emerging Trends in Phyto-pharmaceuticals	09.10.20 to 16.10.20	International: 5 National: 21	68	Mrs. Manju Vyas Dr. R.B. Bodla Dr. Sakshi Bajaj

### XXXII QIP

The program consisted of talks on variety of topics related to teaching and drug discovery, finding the lead molecule and CADD. The chief guest for the inaugural function, Col B. Venkat Director of AICTE, bequeathed the insight of the various AICTE schemes for the benefit of pharmacy profession in his talk. Prof. Ramesh Goyal, Hon'ble Vice Chancellor gave a brief introduction about the developments of DPSRU.

Speaker	Topic of Talk
Prof. Harikrishna Maran, Vice Chancellor of Global digital University	Technology on quality improvement'
Prof. K.S. Jain Principal, KKW COP, Nasik	Use of green chemical techniques' for high throughput generation of NCE Libraries for NDDR
Dr. Sunil Sharma, University of St. Andrews, UK	Catalytic cross coupling for late stage CH activation and natural product derivatisation
Dr. Shridhar Andurkar, Mid-Western University, Chicago	centhaquine post-operative pain studies

Speaker	Topic of Talk
Dr. Sushil Gulati, Business consultant and advisory, USA	Overview of Indian Pharmaceutical Market and Recent Trends
Dr. Rohinton Toddywala, USA	New Frontiers in Drug Delivery-Combination Products
Dr. Visvaldas Kairys, Vilnius University, Lithuania	Exploring Biomolecules using Molecular Dynamics
Prof. Vinay Lather, Amity University.	Virtual screening in Drug Discoveries
Prof. Sanjay Pai, Goa College of Pharmacy	Need to regulate degradation products in Pharmaceutical and In-Silico prediction of toxicity and Degradants
Dr. Sudhakar Garad, Global Head, CPP, Novartis, USA	Drug Discoveries and development in Pharmaceutical Industries
Dr. Pramila Shrivastava, Community Head, USA	Role of Pharmacists in United States
Dr. Vijay Masand, VBMV, Amravati	Concept and application of CADD
Prof. Santosh Rudrawar Griffith University, Australia	Development of carbohydrate based transition state analogues as OGA inhibitors with emphasis on Proteomics
Mr. Umesh Pai, Associate Vice President, R& D, Sun Pharma, USA	General Drug Products: Facts, Impact and Development'
Dr. Haridas Rode, Principle Scientific Officer IICT, Hyderabad	Drug likeness: Lipinski's rule of five and Beyond
Dr. Sanjay Wagh Director, Rumit Chemisynth, Mumbai	Role of Academic Institutions in Bulk Drug Industries'
Prof. Vandana Patrawale, ICT, Mumbai	Research Grant' from different government organization
Dr. Manoj Jadhav, founder and CEO, ISHA Therapeutics, USA	Translational Research strategies for drug discovery and Clinical Research
Ms Sangita Malhotra, New York, USA	Role of Pharmacist in development of hospital Pharmacy
Dr Valiappan, Ex professor, Annamalai University	Reflections on the Science of mirror-image Molecules
Dr Anwar Shaikh, Asso Professor, Allana COP, Pune	Tools in Power Point Presentation

Dr Vikas Shirsath, Sr Vice President, Jubilant Life Sciences was Chief Guest for the valedictory function and he talked on "Discovery to Development -The story of first Kilogram and IND.

### XXXIII QIP

The program was inaugurated by the chief-guest - Dr. R.B. Kakde (Adviser, AICTE). Prof. Ramesh K. Goyal, Hon'ble Vice Chancellor, DPSRU delivered the inaugural address on the topic Challenges in the pharmacotherapy of COVID-19, that was highly informative and hugely appreciated by the audience. Numerous luminaries of academia and industry from all over the globe including India, USA, Malaysia, Switzerland and UK, came together to make this program a grand success.

The eminent personalities such as Prof. S. Dwivedi, Chairperson, BOG-DPSRU, Dr. M Ramanathan, Principal of PSG College of Pharmacy Coimbatore, Prof. Ameya Sanjay Kasture, Director, Auctifer Life Sciences Pvt. Ltd., Prof. P. Rama Rao, Professor, Dean, School of Basic and Applied Sciences, Central University of Punjab, Bathinda, Prof. Ashok Rattan, WHO Lab Director (CAREC/PAHO), Dr. Shyam Sundar Sharma, Professor, Department of Pharmacology and Toxicology at the National Institute of Pharmaceutical Education and Research (NIPER), Mohali, Punjab, Dr. Sanjay Banerjee, Associate Professor National Institute of Pharmaceutical Education and Research, Guwahati, Assam, Dr. T. Velpandian, Professor & In-Charge, Ocular Pharmacology and Pharmacy Division, Dr. R.P. Centre for Ophthalmic

Sciences, AIIMS, Dr. Kalaiselvan, Principal Scientific Officer, Indian Pharmacopoeia Commission, Ghaziabad, delivered talks on cutting edge innovative research and gave virtual lab tours to the audience. Interactive sessions that covered wide range of topics like medical writing, manuscript preparation, intellectual property rights, technology transfer, academia led entrepreneurship, ethical issues and considerations, soft skill development etc. were also conducted.

Prof. (Dr.) R.K.Goyal (Hon'ble VC, DPSRU) marked the Pharmacists Day on 25th September, 2020

by announcing the launch of “Materiovigilance program” in collaboration with IPC, Ghaziabad. On the instance of World Heart Day, Dr. Rajiv Agarwal, Senior Director, Cardiology, Max Smart Super Speciality Hospital, Saket, New Delhi delivered a talk entitled “Can we halt heart attack” on 29.09.2020. The program concluded with panel discussion on the topic- “Strategies for establishing DPSRU as Covid-19 Research & Training Centre. The Chief Guest for the panel discussion was Prof. (Dr.) Shridhar Dwivedi, Senior Consultant Cardiologist, National Heart Institute, Professor of Eminence-DPSRU, Chairperson-BOG-DPSRU.

Panelist	Topic of Talk
Prof. Dr. Shridhar Dwivedi	Opening Remarks by the Chairman
Prof. Ramesh K Goyal, Hon'ble Vice-Chancellor, DPSRU	Drug discovery and development
Dr. Rajesh Jain, Managing Director-Panacea Biotec	Industry expectation from academia
Prof. (Dr.) Arun K. Agarwal, Ex-Dean MAMC	Training & Developing manpower resource-Skill development
Prof. Kailash Upadhyaya, INSA Senior Scientist, SLS, JNU	Molecular Research-Target identification & validation, Diagnostics etc
Dr. Bhausaheb Patil, Clinical Research Leader, IQVIA/ legacy companies (Quintiles), UK	Translate research to real world
Dr. Renu Agarwal, Associate Dean-School of Medicine, International Medical University, Malaysia	Takeaways from international academic set-up
Prof. Geeta Aggarwal, Dean Academics, DPSRU	Strength of DPSRU in Formulation Development and Technology Transfer
Prof. P. K. Sahoo, DIPAR	Entrepreneurship & Marketing Strategies
Prof. D. P. Pathak, Director, DIPSAR	Developing pharmaceutical chemistry for drug re-purposing
Prof. Harvinder Popli, Director SPS, DPSRU	Start-ups & innovations
Dr. Shridhar Dwivedi	Strengthening clinical research

The panelists brain stormed various aspects and identified that DPSRU should move forward considering: (a) Redesign, repurpose the existing resources (b) Rethink about expenditure (c) Identify the crucial unexplored research areas (d) Keep training of new generation of scientists at the centre (e) Thrive for excellence

## XXIV QIP

The PCI President Prof. B.Suresh was the Chief Guest and Inaugurated the XXXIV-QIP program and delivered the key note address.

Speakers	Topic of talk
Prof Katare, UIPS, PU, Chandigarh	Thinking and Questioning skills in teaching and research is a matter of huge importance, How to develop them is a billion dollar question
Prof Gajender Singh, Pt. BD Sharma University	Current status and scope of covid vaccine in India : Covaxin
Dr H Purushotham, Ex-Chairman & MDNRDC	IPR and Technology transfer issues in the Pharma sector
Dr. Sanjeev, NRDC	An introduction to IPR spectrum with Indian Patent.
Prof B S Bhoop, UIPS, PU, Chd	Accomplishing Pharma Excellence & Federal Compliance using Modern Paradigms of Quality by Design (QbD).
Dr Sarwar Beg, Jamia Hamdard	Application of Vital QbD and Chemometric Tools in the Nanopharmaceutical Product Development
Prof Arvind Bansal, NIPER	Quality by design approach in Pharmaceutical development
Prof Javed Ali, Jamia Hamdard	Research Publications: Performance indicators.
Prof T V Narayana, IPA	Covid-19 Pandemic- scenario of pharmacy profession in India.
Dr Renu Agarwal, Malaysia	How to get your research published
Prof Madaan, MDU, Rohtak	Designing of simple but useful experiments in Pharmaceutical Sciences
Dr Atul K Nasa, Drugs Control Officer	Role of Regulatory Officers in combating Counterfeit/Spurious Drugs
Dr RohitDutt, GD Goenka	"Emergence of Artificial Intelligence in Healthcare"
Prof R K Khar, BS Anangpuria	Overcoming antibiotic resistance by drug delivery approaches
Dr Nidhi Sandal, Scientist-E, INMAS	Contribution of Pharmaceutical Research in COVID-19
Prof B Mukherjee, Jadavpur University	"Some advancements in drug delivery"
Prof I P Kaur, Chairperson, UIPS,PU	Solid Lipid Nanoparticles: A suitable Dermaceutical carrier
Prof Arun Nanda MDU, Rohtak	Copyrights and Plagiarism
Prof RB Kakde, Advisor, AICTE	Chromatographic techniques
Prof Pulok Mukherjee, Jadavpur University	Re-imagine ethnopharmacology-metabolomics and evaluation of traditional medicines
Dr. PallabDatta, IEST, Shirpur	3D Printing for Pharmaceutical Sciences
Dr. Rao Valamudi, President, Commonwealth Pharmacists Association	Chief Guest

### XXXV QIP

The programme was inaugurated by a renowned personality Prof. Shailendra Saraf, Vice President, Pharmacy Council of India. He stressed on the importance of traditional plants in the field of Pharmaceutical research. The lectures were delivered on different topics of current era of Pharmaceutical sciences. Various speakers shared their experiences and opportunities available in the field of phytopharmaceuticals.

Speakers	Topic of Talk
Dr.Samba Reddy ,Prof. Neuroscience and Experimental Therapeutics, Texas, A&M University	Various Pharmaceutical and Pharmacological Therapies for COVID-19
Dr.Veeranoot Nissapatorn, Prof. Walaiak University,Thailand	Role of Medicinal Plants in Acanthamoeba infection
Dr. Mukhlesur Rahman , University of East London, UK	Use of natural products for battling Antimicrobial resistance
Dr.T. Velpandian, Prof. AIIMS	The importance of innovation in Research “Opportunities for Natural Products”
Dr. Rajeshri Patil, Compass Ltd. Los Angeles	Modernise Clinical Trials & clinical research education
Dr..C.K. Katiyar, CEO, Emami Ltd	Phytopharmaceuticals, a potential game changer for struggling pharmaceuticals
Dr. Shashank Kumar, Scientist E, CSIR-IIIM Jammu	New frontiers in cancer drug discovery:a Paradigm shift
Dr. Kirti Singh Ladda, Prof. ICT Mumbai	Development of Phytochemicals from lab to Commerce
Dr. Madhusudan Joshi, COP, Goa	Correlating Ayurvedic Pharmacy in Phytochemicals
Dr. Barij N. Sinha, Prof. & HEAD BIT, Mesra	Leadership in Higher Education
Dr. Karan Vasisht, Prof. P.U. Chandigarh	HPLC and its application in Phytopharmaceuticals
Dr. R.K. Goyal, V.C. DPSRU	Journey of taking Herbal Drug Formulation for COVID-19 Developed in collaboration with University to clinical trials

Dr. R. Zafar, Retired Prof. Jamia Hamdard, N.D, Chief Guest, Valedictory Programme, stressed on the role of faculty in the development of pharmacy education. The programme ended with the national anthem.

## PLACEMENT REPORT (ACADEMIC YEAR: 2020-21)



*Prof. Deepti Pandita and Mrs. Rakhi Ahuja*

An unprecedented and gruelling year for all, with economic conditions in India and globally, continued to remain challenging, and a sudden second wave of COVID hitting India in later part of the session, we are happy to share the Placement Report for 2020-21. The placement cycle witnessed a fair share of peaks and troughs. The process started normally although moving the training, grooming, and recruitment drives completely online were a challenge yet a great learning. Under the most trying conditions too, our recruiters continued to have faith in DPSRU Placement Cell and our students.

Placements for our class of 2021 were secured from 30+ companies which contacted the university while few others invited students to apply directly for open positions. Students were offered lucrative offers and roles in the areas of research, pharmaco-vigilance, analytics, consulting, ed-tech, marketing, business consulting, and HRM in addition to the core pharmacist profiles. Be it the R&D giant Dr Reddy's, Novartis or Fresenius Kabi or consulting firms like ZS Associates, IQVIA, Innodata, APCER or WNS, each and every company that visited the college has been astounded by the talent we offer. This year, we also observed offers coming in from non-technical organizations and we warmly welcomed them. The companies offered a package ranging from 5.5 to 8.5 lacs for Masters Courses and 3.5 to 6.5 lacs for Bachelors courses which has pointedly increased from last academic year. Moreover, the number of internship and training opportunities with organizations of repute surged as well which raised the number of students getting placed to over 50 so far.

This time, even after the commendable results of our students in the GPAT examination, a comparatively higher number of B. Pharma along with D. Pharma students showed their interest in appearing in campus placements and landed into their dream profiles. Many M. Pharm students pursued their aspirations in research and are planning to join PhD programs in different reputed universities.



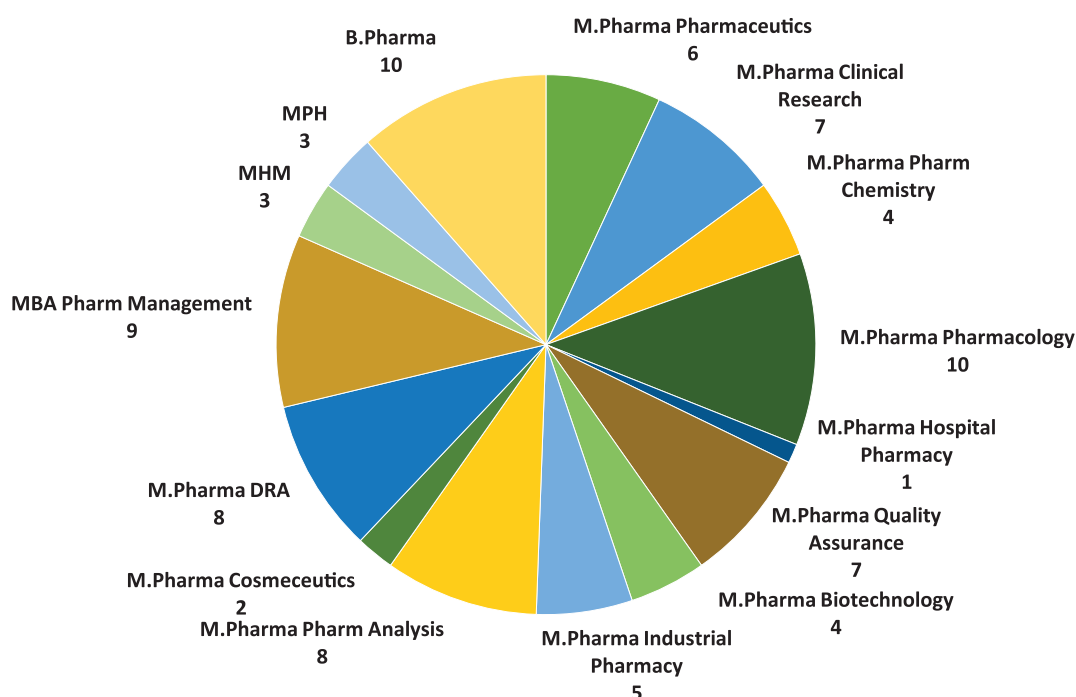
Department	S.No	Students Placed in Academic Year 2020-21			
	Dept	Total	Student Name	Organization	Designation
Pharmaceutics	1	1	Shweta Mittal	WNS	Trainee Analyst
	2	2	Aman Sharma	Dr. Reddy's Lab	Research Trainee
	3	3	Darpan Mishara	Dr. Reddy's Lab	Research Trainee
	4	4	Lukman Lawal	Dr. Reddy's Lab	Research Trainee
	5	5	Md. Asim	Walter Bushnell	Research Trainee-API
	6	6	Jyoti Sharma	Innodata	Senior Executive
Clinical Research	1	7	G.Aishwarya	IQVIA	Data Analyst
	2	8	Prashant Kumar Singh	Sun Pharma	Intern PVG
	3	9	Ashish Sharma	Sun Pharma	Intern PVG
	4	10	Kirti	Sun Pharma	Intern PVG
	5	11	Ayash Jain	Planet Spark	Business Development
	6	12	Neha Chand	Planet Spark	Business Development
	7	13	Aakash Gupta	Sun Pharma	Intern PVG
Pharmaceutical Chemistry	1	14	Namrata Vashisht	Course 5i	Management Trainee - Life Sciences
	2	15	Md. Haider	Walter Bushnell	Research Trainee-API
	3	16	Tahira Aziz	Fresenius Kabi	Research Scientist-RA
	4	17	Darakshan Parveen	Innodata	Senior Executive
Pharmacology	1	18	Vidhi Gupta	ZS Associates	Knowledge Management Associate
	2	19	Pooja Raina	ZS Associates	Knowledge Management Associate
	3	20	Anuja Verma	IQVIA	Data Analyst
	4	21	Tarika Khatri	Course 5i	Management Trainee - Life Sciences
	5	22	Santoshi Sahu	Course 5i	Management Trainee - Life Sciences
	6	23	Deepak Kumar	Sun Pharma	Intern PVG
	7	24	Sonal Sinha	APCER	Pharmacovigilance
	8	25	Iram Mannan	APCER	Pharmacovigilance
	9	26	Sweety	AIIMS Delhi	Pharmacist
	10	27	Renu Thakur	Innodata	Senior Executive
Hospital Pharmacy	1	28	Shatabdi Dey	Syneos Health	Safety and PV role
Quality Assurance	1	29	Nikita Verma	ZS Associates	Knowledge Management Associate
	2	30	Subhash K Ojha	PharmaACE	Trainee Analyst
	3	31	Yashika	Syneos Health	Safety and PV roles
	4	32	Nishant Bharti	Prescient Healthcare	Intern
	5	33	Anshu Priya	Prescient Healthcare	Intern
	6	34	Savej Ali	APCER	Pharmacovigilance
	7	35	Shankar	Innodata	Senior Executive

Department	S.No	Total	Students Placed in Academic Year 2020-21		
	Dept		Student Name	Organization	Designation
<b>Biotechnology</b>	1	36	Kajal Juneja	ZS Associates	Knowledge Management Associate
	2	37	Mohd Abuzar Siddiqui	Innodata	Senior Executive
	3	38	Naini	Innodata	Senior Executive
	4	39	Premchand	Innodata	Senior Executive
<b>Industrial Pharmacy</b>	1	40	Anchal Sharma	IQVIA	Data Analyst
	2	41	Kajal Arora	Planet Spark	Business Development
	3	42	Pankaj	Smart Analyst	Junior research associate
	4	43	Kavita Chaurasiya	Prescient Healthcare	Researcher
	5	44	Rajeev Kumar	Innodata	Senior Executive
<b>Pharmaceutical Analysis</b>	1	45	Pankaj Chander	Dr. Reddy's Lab	Research Trainee
	2	46	Neha Sharma	Dr. Reddy's Lab	Research Trainee
	3	47	Yukta Munjal	Dr. Reddy's Lab	Research Trainee
	4	48	Kaushal Soni	Dr. Reddy's Lab	Research Trainee
	5	49	Omkar Kamble	Walter Bushnell	Research Trainee-API
	6	50	Ayushi Dwiwedi	Syneos Health	Safety and PV roles
	7	51	Anjali Thapa	Innodata	Senior Executive
	8	52	Kalpna	Innodata	Senior Executive
<b>Cosmeceutics</b>	1	53	Ayushi Sharma	Innodata	Senior Executive
	2	54	Kumari Supriya	Innodata	Senior Executive
<b>Drug Regulatory Affairs</b>	1	55	Shefali Singh	ZS Associates	Knowledge Management Associate
	2	56	Ashish Miglani	PharmaACE	Trainee Analyst
	3	57	Chandan Saini	Fresenius Kabi	Intern
	4	58	Akshay Kumar	1mg	QC Pharmacist
	5	59	Shivani Verma	Syneos Health	Safety and PV roles
	6	60	Sivangini Pandey	Innodata	Senior Executive
	7	61	Bhanu	Sun Pharma	Executive DRA
	8	62	Amit Kumar	Prescient Healthcare	Intern
<b>MBA Pharmaceutical Management</b>	1	63	Jatin Bhateja	WNS	Trainee Analyst
	2	64	Diksha Dua	WNS	Trainee Analyst
	3	65	Anas Rashid	IQVIA	Data Analyst
	4	66	Nazia Warsi	ZS Associates	Knowledge Management Associate
	5	67	Divya Singh	Clarivate Analytics	Research Associate
	6	68	Shruti Goyal	Prescient Healthcare	Intern
	7	69	Preeti	Jakob and Partners	
	8	70	Akash	Smart Analyst	Junior research associate
	9	71	virender	Silver Genie	sales and marketing

Department	S.No	Total	Students Placed in Academic Year 2020-21		
	Dept		Student Name	Organization	Designation
MPH	1	72	Debraj Mukhopadhyay	Skyward Analytics	Systematic Reviewer- HEOR
	2	73	Nishat Akhtar	INCLEN Trust International	Intern
	3	74	Abul Faisal	INCLEN Trust International	Intern
MHM	1	75	Kritika Kaushik	BL Kapoor Super Speciality Hospital	Intern, Quality and Operation
	2	76	Priyanka	BL Kapoor Super Speciality Hospital	Intern, Quality and Operation
	3	77	Sundus Nishat	BL Kapoor Super Speciality Hospital	Intern, Quality and Operation
B.Pharma	1	78	Zakaria Meshkibaf	PharmaACE	Trainee Analyst
	2	79	Kavita	Liboc	Pharmacist
	3	80	Ankita	Prescient Healthcare	Intern
	4	81	Anurag	Innodata	Senior Executive
	5	82	Aman Chauhan	Innodata	Senior Executive
	6	83	Ankita Sharma	Innodata	Senior Executive
	7	84	Nikita Tiwari	Innodata	Senior Executive
	8	85	Md. Ibrahim	Innodata	Senior Executive
	9	86	Dheeraj Malhotra	Innodata	Senior Executive
	10	87	Ayushi Kuchroo	Qure.ai	Associate, Client Success

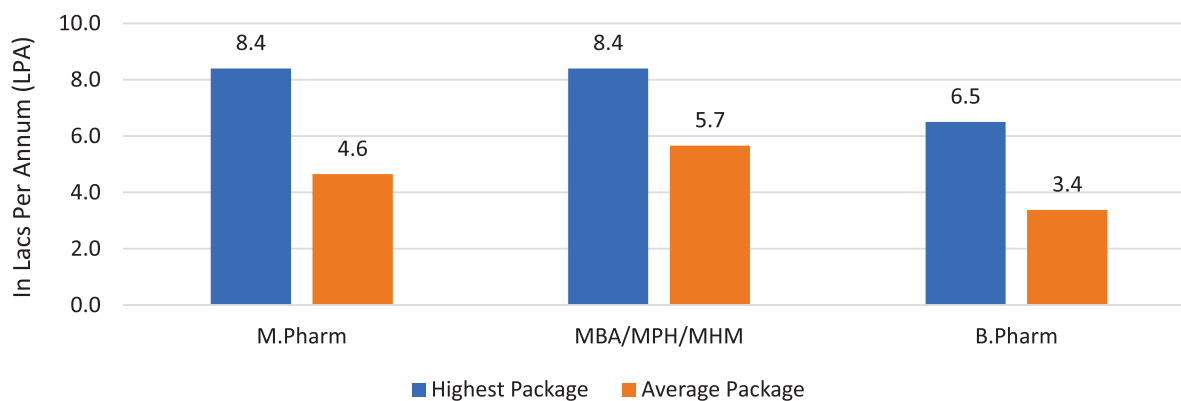
## Placement Statistics (Academic Year 2020-21)

### Department wise Student Placement (2020-21)

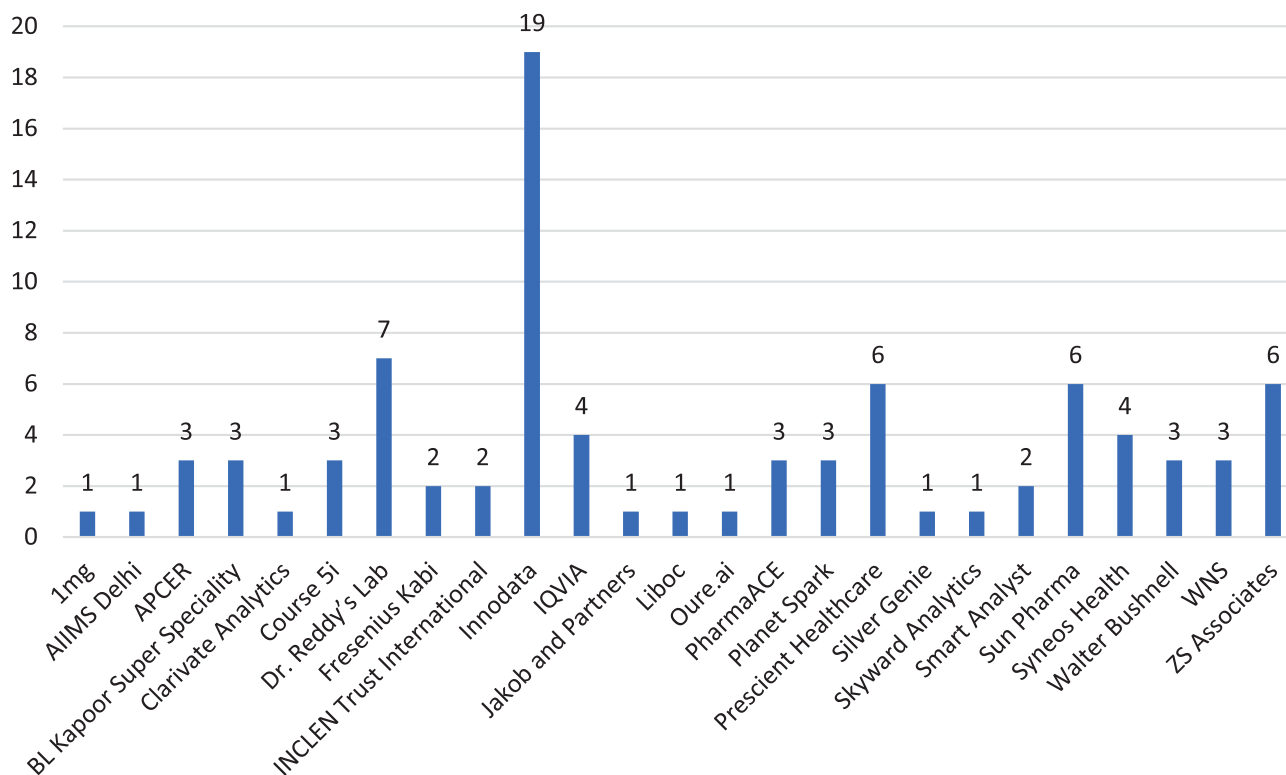


Highest and Average Package		
Department	Highest Package	Average Package
M.Pharm	8.4	4.6
MBA/MPH/MHM	8.4	5.7
B.Pharm	6.5	3.4

### Campus Placement Data (2020-21)



### Organization wise Campus Placement (2020-21)



## SCHOOL OF PHYSIOTHERAPY



**Dr. Shilpa Jain**

Physiotherapy as a profession has grown by leaps and bounds over last few decades. Physiotherapy practice spans the continuum from health promotion to prevention to rehabilitation for individuals and populations throughout the lifespan. Physiotherapists are health care professionals who optimize quality of life of their patients through structured exercises, hands on treatment and patient education. It can be considered as one of the popular courses in modern medicine worldwide. It has spread its wings in all branches of medical sciences, be it orthopedics, neurology, cardiology, pulmonary conditions, intensive care units, obesity, sports medicine, surgery, medicine, burns, cancer, community health. Physiotherapists provide the initial access into the health care system for persons with impairments and functional limitations amenable to physiotherapy and engage in collegial referral relationships with other health care professionals. School of Physiotherapy was established in the year 2015. The undergraduate program i.e Bachelor of Physiotherapy that the school offers for four and a half years (4 years + 6 months Internship). Enriched with proficient and dedicated faculty members, School of Physiotherapy is an ideal combination of professional and academic excellence. With state of art Physiotherapy laboratories (Anatomy, Exercise therapy, Electrotherapy, Biomechanics, Neurology) and OPD, the faculty believes the first priority of education is to prepare people for a well-rounded, balanced life with broad social and cultural interests and as involved, active citizens of our country so they strive to provide high quality education to the students with emphasis on student centric learning. School has adopted innovative methods of teaching and learning with aim to achieve excellence by integrating,

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

Physiotherapy OPD has got its new unit in the expanded area of the old Physiotherapy OPD. The new unit has been established for Pediatric Physiotherapy. The new equipments installed in the unit help in improving motor as well as sensory skills of the differently or especially abled children. The unit aims to treat the children with congenital and acquired disorders. The unit welcomes the habilitation to rehabilitation of the infants, toddlers and children till 10- 12 years of age with all motor, sensory, attention disorders, autism etc. In the OPD various disorders have also been treated like Cerebral Palsy, autism, ADHD, stroke, congenital deformities and many more by increasing in the quality of life of the children as informed by the guardians and still the unit focusing with the same goal to create awareness in parents and independence in such children.

Students of second batch have also passed their final examination with flying colors and also pursuing their six months internship from reputed hospitals in Delhi. School of Physiotherapy DPSRU wishes them a good career and practice ahead. From the present session the institute is going to commence its PG program in different specialties.

# SCHOOL OF ALLIED HEALTH SCIENCES (SAHS)



*Dr. Jaseela Majid*

The School of Allied Health Sciences is dedicated to become a pioneer in research and education in pharmaceutical, hospital management and public health. It was established in 2016 under Delhi Pharmaceutical Sciences and Research University, Govt. of NCT of Delhi. The School is currently offering three programmes - MBA in Pharmaceutical Management (MBA-PM), Masters in Public Health (MPH) and Masters in Hospital Management (MHM). The School has collaborations and partnerships with major hospitals like Indraprastha Apollo Hospital, Max Super Speciality Hospital, Delhi Heart and Lung Super speciality Hospital, renowned non-profits organizations etc.

## **New Initiatives undertaken by School of Allied Health Sciences**

### 1. Open Elective Subjects

The School introduced Open Elective subjects in the curriculum of final semesters of MBA-PM, MHM and MPH as per the approval from Board of studies. Students were given an opportunity to choose any two elective subjects out of three options. The Open Electives offered are: KPO Management, Brand Plan, Entrepreneurship Management, Hospital Accreditation, Public Health Nutrition and Health Information system. The Sessions were conducted from 1-6 March 2021 through online mode. External experts from industry and academia were invited to conduct sessions to provide practical knowledge to the budding professionals along with in-house faculty.

### 2. New Programs to be offered under School of Allied Health Sciences:

Following 5 new programs have been approved by Academic Council to be

offered from upcoming academic session under School of Allied Health Sciences:

- Diploma in Medical Laboratory Technology (DMLT)
- Bachelor of Medical Laboratory Technology (BMLT)
- BBA-Community Healthcare
- MBA- Pharma Economics and Trade
- M.Sc. in Artificial Intelligence and Precision Medicine

### 3. Other Academic Initiatives:

- a. To start the Academic Session 2020-21 amidst the challenging times, the School organized an Orientation programme on 1.01.2021 followed by two days induction programme for the newly admitted Post Graduate students of MBA-PM, MHM and MPH, through a virtual platform.
- b. The students of MPH and MHM program completed internship from Directorate of Health Services, Govt of NCT of Delhi for COVID-19 related work. The students were allotted different CDMO districts for COVID-19 data analysis and Management. Two students of MPH completed their internship from Dept. of Epidemiology, National Center for Disease Control (N.C.D.C), Govt. of India (G.O.I). During the internship, students were involved in data collection, compilation and analysis of sero-surveys for IgG antibodies among frontline Healthcare workers against SARS-COV2
- c. In association with "Piare Dilli" People's Initiative for Action on Rehabilitation, the school conducted a training organized by an N.G.O Concerned



Citizen & Project team on Post Disaster Psychosocial care on 13th March 2020 at DBF, New Delhi. The training was attended by MPH students of DPSRU, Jamia Milia Islamia and Delhi University. The School organized a webinar titled, “Way Forward for the Health Managers”: An Opportunity Update on October 12, 2020. The webinar showcased 3 distinguished speakers from 3 streams. The School also organized a webinar titled “Creating a vision of hope through Palliative Care: Role of students” in association with Delhites’ National Initiative in Palliative Care (DNipCare) , a voluntary organization focusing on voluntary services of Patient Care on May 15 2021. The eminent speakers briefed the significance of palliative care during these difficult times of the pandemic. An Orientation Programme on Palliative Care was also organized by DNipCare, along with the School on 22nd May 2021, for the student volunteers who expressed their willingness for providing Palliative social and emotional support to the patients who are left with no more treatment possibilities. The School celebrated World Mental Health Day on 10.10.2020 with the objective of raising awareness of mental health issues and mobilizing efforts in support of mental health. A digital



poster making competition was organized on the theme “Mental Health for All: Greater Investment Greater Access” for the students. A webinar in collaboration with Rajiv Gandhi Cancer Institute and Research Centre (RGCIRC) was organized to create awareness on Cancer Prevention on the occasion of World Cancer Day on 3<sup>rd</sup> February 2021 on the theme “Cancer Preventions – How Much Effective”. ‘Save Girl Child Day’ was also celebrated on 24.01.2021 as a part of University’s Community extension activity with an objective of raising awareness about importance of girl child.

- d. The School joined the endeavour titled ‘Praan Vaayu’ with Distress Management collective India, a voluntary organization, with the Masters students of SAHS, to provide Oxygen Concentrators for home care of COVID-19 patients when second wave of pandemic hit the country. The team is distributing oxygen concentrators free of costs to Covid-19 patients with proper sanitization protocols. The volunteers are involved in tracking the concentrators, performing inventory management and other support activities of these oxygen concentrators. In addition to that, tele-counseling and prescription support were given to Covid-19 patients.

## WORLD CLASS SKILL CENTRE (WCSC)



*Dr. Madhu Gupta*

Skills and knowledge are the driving forces of economic growth and social development of any country. The economy becomes more productive, innovative and competitive through the existence of more skilled human potential. The level of employment, its composition and the growth in employment opportunities are the critical indicator of the process of development in any economy. Countries with higher and better levels of skills adjust more effectively to the challenges and opportunities of globalization.

Government of NCT, Delhi initiated the development of an ambitious project through “World Class Skill Centre (WCSC)” in Delhi to address the shortage of skilled manpower. The setting-up of this World Class Skill Centre in Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi as a nodal centre under the sector “**Health and Wellness** fulfilled its objective and create the skilled people that is the valued assets to the country.

The courses offered by the DPSRU-WCSC centre evolved as per requirements of the industry and fitted with new facilities. DPSRU-WCSC has started initially the Sports Fitness and yoga Application, Sports Digitalization and Performance Management and Beauty Wellness Consultant courses. DPSRU-WCSC centre was established at 2018 and successfully completed 2- batches, March 2019 to Feb 2020 (Phase I) and Aug 2019 to July 2020 (Phase II) with almost more than 70% placements in their respective sectors. The adopted methodology was self-reliant learning with focus on peer learning. Course was conducted in English

language. Assistance was provided to all trainees for placement in respective sector and start-ups for gainful employment.

In order to have proper functioning of the DPSRU-WCSC Centres in the Capital City of Delhi, an appropriate infrastructure expansion is required. In year 2021, DPSRU-WCSC centre is planning to expand their infrastructure as “WCSC Block above Swimming Pool (Block-E)”: for creating the new courses under the sector “Health and Wellness. We hope, such type of courses will be a landmark in the mentioned sector and fulfil the market demand including the pandemic days. DPSRU-WCSC has planned to run the certificate courses like Healthcare Assistant, Medicine Management, and retail Chain Pharmacy in this academic year. DPSRU-WCSC has received a grant of around 10 crores in year 2021 from Govt. of NCT Delhi, DTTE for development of additional infrastructure for starting the some newer skill related courses as per market needs. We have determined the primary focus of these infrastructures along with their essential objectives, components, and the procedure of developing them to the optimum level.

The infrastructures expansion will be done on the pattern of recent concepts “A Global Leader for Innovations in Technical Education” that will be based on a holistic “Hands-on, Minds-on, Hearts-on”. This expanded centre will equip with latest projectors smart class room, high level experimental labs equipped with latest Training and research equipment and many more mandatory to meet the environment and to achieve their best.

# ACADEMY OF SPORTS SCIENCES RESEARCH & MANAGEMENT



*Mr. Anshul Bagai*

Academy of Sports Science Research and Management (ASSRM), the Sports science department was started under the aegis of Delhi Pharmaceutical Sciences and Research University with the vision to be the ultimate destination of sports science education. At present, ASSRM offers the following educational programs:

An Undergraduate three-year course in B.Sc. (Hons.) Sports Science.

A Postgraduate two-year course in M.Sc. Sports Science.

A doctorate Course in Ph.D. in Physical Education & Sports Science.

Diploma courses in Sports Pharmacy and Sports Management.

Skill development courses (an initiative of Delhi Government under World Class Skill Center) in Sports fitness & yoga Application and Sports Digitalization & Performance Management.



Biomechanics Lab



Human Performance Lab

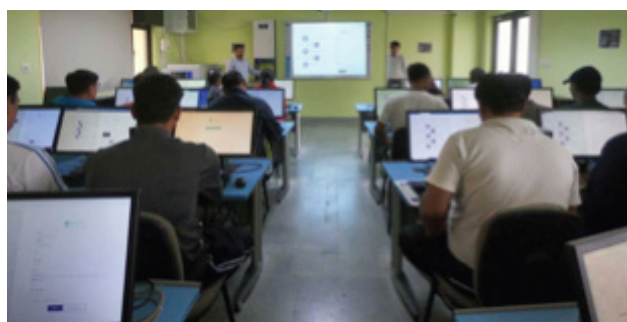


Group Activity Hall



## Infrastructure at ASSRM

The infrastructure of the School is always connected with quality and learning. Sports are a vital area of interest for our students, and our developing facilities offer them the facilities they need to establish their competencies.



Computer Lab

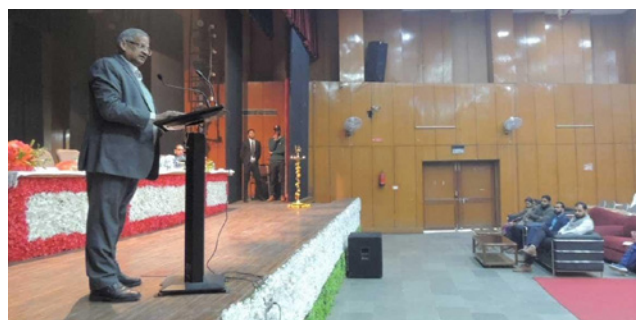
## Activities at ASSRM

We at ASSRM thrive towards conducting various event throughout the year for students and to make them industry-ready when they graduate. Here are some of the events which have been specially arranged for them:



### Khel Chakra' Sports Festival

The Sports Committee of ASSRM organized its Sports event 'Khel Chakra' Sports Festival. The junior vs seniors' Sports event had a variety of games from Volleyball, Basketball to Kho Kho.



### The Sports Education Symposium

The motive of the Symposium was to give a fresh perspective on the application of Science in Sports and to introduce Skill Development Program/WCSC & opportunities in the Sports Industry/higher education in the development of Sports Culture.



## Tournament Training to AIPSCB

The three-day training program introduced the AIPSCB members to various aspects of conducting tournaments and showcasing events. This event was attended by 37 police personnel of different State/CPO's.



### KVS 3 days – Pilot program (April 2019)

Training program "Implementation Methodology for Motor Skill Development Games for Primary Students" for teachers of Kendriya Vidyalaya Sangathan.



### Sports Expo Visit (September 2019)

Students of B.Sc. (H) Sports Science attended the Sports Expo



## 4th PEFI Conference (September 2019)

Our student of B.Sc. (H) Sports Science attended the 4th PEFI Conference

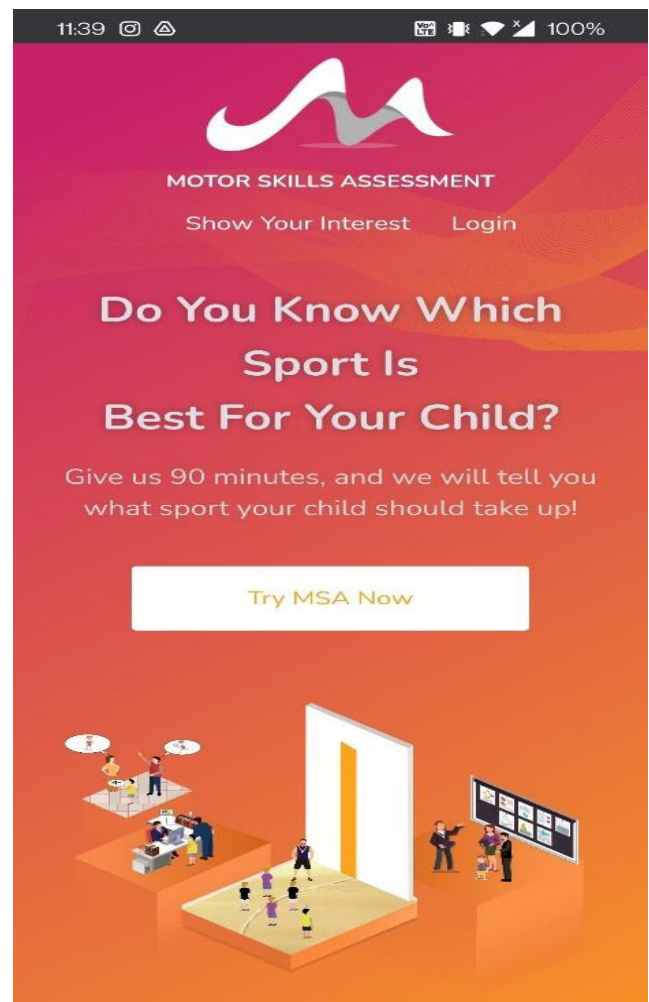
### Initiative by ASSRM

At the Academy of Sports Sciences Research and Management, we always make ourselves future-ready with the latest trend and adopt the latest teaching methods and provide the best facilities to the students.



### ASSRM Digitalization Project

Digital learning programs are aimed at achieving innovation in the field of education by transforming instructions to create better



and more impactful learning opportunities for students.

### Motor Skill Assessment (MSA)

Students Driven Research project for doing fitness assessment and monitoring is designed to provide the users with fitness monitoring that enables them to keep track of their fitness by means of periodic scientifically proven assessments.

**Webinar Series on Career Pathways** in Sports and Physical Education for guiding the students of classes 11th and 12th at no cost through the system used by Schools to conduct online classes. Discussion on about the Sports Sciences and the upcoming career opportunities that students can pursue in Sports



## THE INTERNATIONAL JOURNAL OF HEALTH, EXERCISE AND SPORTS SCIENCE

IJHESS is an International, Print / online journal that will be published in English. IJHESS aims to provide Knowledge to professionals, researchers, and academicians working in the field of Health, Fitness, Sports Science, Sports Coaching, and Physical Education.

## Students Internship & Placement

We at ASSRM try to provide internships and placement to our students. We try to send our students to various companies for internships throughout the year.

**ACADEMY OF SPORTS SCIENCES RESEARCH AND MANAGEMENT**

**Time of Sports®**

*I have worked as an intern in Time of Sports company which is in East of Kailash, New Delhi. I've worked as a sports and nutrition researcher and content writer. I wrote articles and infographic scripts as per the tasks given to me, under the guidance of my supervisors. They were very helpful and supportive. The working environment was very professional yet friendly. Being a sports student this internship has helped me to develop my knowledge in the sports and nutrition field. This opportunity which was given by the university, helped me to explore my experience in the sports field and also helped develop my interpersonal skills.*

**SHILPI**  
B.Sc. (Hons.) Sports Science  
Batch : 2019-21

Powered by **ALLSPORT.IN®**

## ACADEMIC TOPPERS 2020



*Dr. R. C. Khatri and Dr. Gaurav Jain*



**(CHARU JUYAL )  
(D PHARM)**



**PRABHLEEN KAUR PAHWA  
( B PHARM,DPSRU )**



**PALLAVI GOYAL  
(B PHARM, DIPSAR)**



**PRIYANKA  
(B.PHYSIOTHERAPY)**



**ROHAN AGGARWAL  
( MPH. PHARMACEUTICS)**



**KHUSHBOO  
MPH  
(CLINICAL RESEARCH)**



**MUGDHA KESH  
(ALLIED HEALTH SCIENCE)**



**HITESHI KHATTER  
(B. SPORT SCIENCE)**

# GPAT-CLUB REPORT

This year, Delhi Pharmaceutical Science and Research University (DPSRU) has again witnessed qualification of 50 students in GPAT (National level Examination), maintaining the consistent half-centuries, since the inception of university. Mr. Gourav Gupta, student of B.Pharm 4<sup>th</sup> year DIPSAR, secured 1<sup>st</sup> All India Rank, whereas Mr. Abhishek Gabba, student of B.Pharm 4<sup>th</sup> year SOPS, secured 4<sup>th</sup> All India Rank. Admirably, 08 students featured in top 100 rank and 23 in top 500 rank. This standout performance of students ensures DPSRU, to be the university with highest percentage of qualifiers.

To boost the efforts of the students and to provide extensive counselling for GPAT and other Competitive examinations, University

authorities have decided to establish GPAT-CLUB with Prof. Rajiv Tonk as Patron and Dr. Gaurav Kumar Jain as Nodal Officer.

The objective of the GPAT-CLUB is be to provide structural guidance and counselling to the students aspiring for GPAT or other competitive examination. The counselling will be a well-charted plan providing theoretical training, comprehensive study material, rigorous online practice, regular assessment, discussions and problem solving. The club will be operation from 2021 and the counselling will extend for duration of 5 semesters thus preparing students well in advance for competitive examinations.

- Prof. Rajiv Tonk, *Patron*
- Dr. Gaurav Kumar Jain, *Nodal Officer*

## GPAT Qualified Students of University-2021

**Delhi Pharmaceutical Sciences and Research University**  
(Established Under Act 07 of 2008, Govt. of NCT of Delhi)  
The 1st Pharmacy University of India

Feels Pride & Congratulates

### 50 GPAT 2021 Qualifiers

	 Gourav Gupta All India Rank <b>1</b>	 Ritika Srivastava AIR <b>11</b>	 Shashwat AIR <b>15</b>	 Abhishek Gabba All India Rank <b>4</b>							
TOP 150	 59	 69	 94	 99	 102	 144	10				
TOP 500	 182	 241	 258	 298	 323	 334	 348	13			
TOP 1500	 361	 382	 429	 449	 468	 485					
Other Rankers	 505	 618	 730	 779	 878	 1319	 1362	08			
	 1509	 1509	 1509	 1698	 1969	 2070	 2553	 2553	 2761	 3182	19
	 3290	 3290	 3469	 3642	 6926	 7909	 7909	 9227	 9620		

"Consistent Half Centuries since, the Inception of University"

## SCHOLARSHIP SECTION



*Dr. S. Latha and Dr. Sahil Kumar*

### Scholarships available for DPSRU students

#### 1. AICTE PG SCHOLARSHIP

This Scholarship is awarded to full time GPAT qualified students admitted to M.Pharmacy and MBA courses in AICTE approved courses of DIPSAR & SPS of DPSRU @Rs. 12,400/- PM per student for 24 Months.

#### 2. AICTE DOCTORAL FELLOWSHIP (ADF)

This Research Fellowship is available for full time meritorious research scholars who want to seek admission to Ph.D. in AICTE approved Technical Institutes/University Departments for carrying out research in thrust areas. DIPSAR is an AICTE approved Pharmacy institute under DPSRU to accommodate ADF candidates.

#### 3. PRAGATI SCHOLARSHIP

This Scholarship/Contingency is awarded to meritorious girls taking admission in AICTE approved Technical institution i.e. Degree/ Diploma courses of DIPSAR & SPS of DPSRU. Total 10000 scholarships are given @ Rs 50000 as incidentals each year.

#### 4. SAKSHAM SCHOLARSHIP

This Scholarship/Contingency is awarded to Differently abled students taking admission in AICTE approved Technical institution at Degree/ Diploma courses of DIPSAR & SPS of DPSRU. Scholarship is given @ Rs 50000 as incidentals each year.

#### 5. PRIME MINISTER'S SPECIAL SCHOLARSHIP SCHEME – PMSSS

The objective of the Scheme is to build up capacities in youth of J&K and Ladakh, and

aims to educate, enable and empowering them to compete in normal course, thereby enhancing and boosting employment potentials in students of J&K. Total 5000 scholarship are given @ Rs. 100000/- as Maintenance Charges and academic fee as Rs. 30000/- to General Degree, Rs. 125000/- to Engineering Degree & Rs. 300000/- to Medical Degree each year. DIPSAR under DPSRU is an AICTE approved centre to offer B.Pharmacy seats to J&K and Ladakh students through AICTE.

#### 6. AICTE-QUALITY IMPROVEMENT PROGRAMME

The main objective of the programme is to upgrade the qualification of the faculty members of the degree level and diploma level AICTE approved pharmacy institutions in the country. Scholarship @Rs. 15000/- PM for 36 Months are given to Ph.D Scholars and Rs. 9000/ PM for 24 months are given to M.Pharm Scholars. Total 106 QIP centers (Engineering) and 11 QIP Centers (Pharmacy) are in the country. At present, DIPSAR being constituent institute of DPSRU is the Nodal centre for Pharmacy AICTE-QIP Centres.

#### 7. Government of NCT of Delhi Scholarships through e-portal

##### a. Merit-cum-Means Linked Financial Assistance Scheme for Pursuing Higher Education in State Universities of Delhi

The objective of the Scheme is to extend financial assistance to the meritorious and needy students pursuing higher education in NCT of Delhi. Under this Scheme the Delhi Higher Education

Trust through Directorate of Higher Education (DHE), GNCTD will fully or partially reimburse the tuition fee paid by the students. The extent of reimbursement will be (i) 100% tuition fee of the meritorious students belonging to economically weaker section i.e. wards of parent/s who are beneficiaries and possess relevant card issued under the National Food Security Scheme

- (ii) 50% of the tuition fee to meritorious students having annual family income up to Rs.2.50 Lakh and not covered under the National Food Security Scheme
- (iii) 25% reimbursement of tuition fee to meritorious students having annual income above Rs.2.50 Lakh but below Rs.6 Lakh.

It is anticipated that the Scheme will lead to participation of meritorious economically weaker sections of the society in gaining access to quality higher education of which they were deprived till now due to financial constraints.

**b. Merit Scholarship for SC/ST/OBC/ Minority Students, Delhi**

This Merit cum Means scholarship is a state government scholarship started to financially support bright students who belong to the underprivileged class. The selected students receive maintenance allowance and other benefits to complete their higher studies. The scholarship registration can be done online through the E-district portal of Delhi Government. The applicants must be the domiciles of Delhi and belong to SC/ST/OBC/

Minority category; must be pursuing UG/PG courses from recognised educational institutions and have scored at least 60% marks in the previous academic exam; annual family income must not exceed INR 2 Lakh.

The undergraduate students of B. Pharm. and BPT courses of DPSRU are benefitted through the scholarship schemes of Government of NCT of Delhi

**8. Central Govt. Scholarships through National Scholarship Portal**

**a. Post-Matric Scholarship Schemes**

**CS** – The scholarship is to be awarded for studies in India in a government or private higher secondary school/college/university, including such residential institutes of the Government and eligible private institutes selected and notified in a transparent manner by the State Government/Union Territory Administration concerned. It will also cover technical and vocational courses in Industrial Training Institutes/ Industrial Training Centres affiliated with the National Council for Vocational Training (NCVT) of classes XI and XII level including Polytechnics and other courses (any course of less than one year duration is not covered under this scheme; Certificate courses are also not covered).

**ELIGIBILITY:** Scholarship will be awarded to the students who have secured not less than 50% marks or equivalent grade in the previous final examination and the annual income of whose parents/guardians from all sources does not exceed Rs.2.00

lakh. It is awarded to OBC (PMS-OBC), SC(PMS-SC), ST(PMS-ST) and Minorities [Muslims, Sikhs, Christians, Buddhists, Jain and Zoroastrians (Parsis)] students.

**b. Merit-cum-means Scholarship for professional and technical courses**

**CS (Minorities)** - This Merit cum Means scholarship comes under the ambit of MOMA Scholarships which are provided by the Ministry of Minority. Under this national scholarship scheme, poor but meritorious students belonging to minority community get monetary support to complete their studies. Scholarship will be awarded to the students who have taken admission in technical/professional courses at UG/PG level; must have secured not less than 50% marks or

equivalent grade in the previous final examination and the annual income of whose parents/guardians from all sources does not exceed Rs.2.50 lakh. Scholarship will be awarded to the students belonging to Muslims, Sikhs, Christians, Buddhists, Jain and Zoroastrians (Parsis) who have been notified as minority communities under Section 2 (c) of the National Commission for Minorities Act, 1992.

The Indian Pharmacy Graduate Association (IPGA) and the Indian Pharmaceutical Association (IPA) is also providing financial assistance to Pharmacy students of DPSRU. The Ph.D. Scholars of DPSRU have been receiving JRF and SRF from various Govt. funding agencies like ICMR, DST-INSPIRE, DST, DBT, CSIR, NFST etc.

## EXTRACURRICULAR & CULTURAL ACTIVITIES



*Prof. Rajiv K. Tonk and Dr. Minakshi Garg*

### 74<sup>th</sup> Independence Day Celebrations

On this auspicious occasion of the 74<sup>th</sup> Independence Day, the security personnel conducted the Honourable Vice Chancellor Prof Ramesh K Goyal to the saluting base where a troop presented general salute to the VC under the leadership of Mr Aditya Kaushik, Section officer (Ex-Navy) along with Sh Krishan Kumar EPABX Operator (Ex-Army). Honourable Vice Chancellor hoisted the National flag, followed by the salute and parade by the guard contingent

comprising several elite services viz. Army, CISF, SSB, BSF, etc.

The unfurling of the tricolour was synchronized with the National Anthem after which Honourable VC delivered the customary address to the University. He expressed his concern over the pandemic and the University Campus being deserted in absence of the students. He also communicated his concern on the career prospects of the students after the pandemic. He congratulated the faculty and staff for



their exclusive curricular and extracurricular as well as research work during the lockdown period amidst all difficulties and appreciated their enthusiasm to accept the challenges. Most of all he illustrated the confidence and the philanthropic approach through which our University Corona Warriors performed their duties. The badges 'DPSRU Corona Warriors' was accorded to Dr Priyanka our Medical Officer on duty, Staff nurse Ms Suhasini, Dr Swaminathan faculty DPSRU, Mr Aditya Kaushik, Section Officer, Mr Ankit Goyal Section Officer-Law and Mr Akash from the Sanitation staff for their relentless efforts all throughout the pandemic. The Corona Warriors were felicitated by Honourable VC, Prof Harvinder Popli Offg Registrar DPSRU, Director DIPSAR Dr DP Pathak and Dean Student's Welfare Dr Rajiv Kumar Tonk and Dean Academics Dr Geeta Aggarwal.

The audience also applauded the motivating words by Prof Harvinder Popli who consented with the Prime Minister's words at the Red Fort on this day stating "Make in India as a major national programme of India and to foster innovation and make for the world", thus appreciating the innovations done by our University and DIIF and their continual effort on the same. Last but not the least revered Dr D P Pathak, took us into the flashback, visualising the sacrifices of our great freedom fighters

and their constant suffering and willingness to make small contributions towards the nation. He insisted and called for such minuscule contributions from our youngsters to furnish national integrity. The program was followed by a short cultural session which made the ambience reverberate with the immense patriotism. Prof Rajiv Kumar Tonk, Mr Rajeev Bhalla, Dr Amrita Parle, Prof Richa H Rai, Dr Mukesh Nandave and also Vice Chancellor himself sang in appreciation of our National Heroes. The elate moment was when the children performed, Ms Dhvani, Mr Garv, Ms Lakshita & Ms Harshali and made us all bereft of speech.

## 2nd Faculty Induction and Development Program

Delhi Pharmaceutical Sciences and Research University, India's First Pharmacy University organized 2nd Faculty Induction and Development Program during August 21-27, 2020 at its campus on M.B. Road, Pushp Vihar, New Delhi. The program was envisioned and organized under the patronage of the Vice Chancellor Prof. (Dr.) Ramesh K. Goyal for the newly inducted faculty members of University. Program execution was handled by Dr. Saurabh Dahiya, Convener and Dr. Ajit Kumar Thakur Co-Convener of the program. The program was operated in both offline and online modes keeping all social distancing norms in force as





per State guidelines. The first day was marked with special presence of Chief Guest Prof. (Dr.) Arun Agarwal, Professor of Excellence-ENT, Former Dean MAMC and BOG Member DPSRU. He shared his experiences and motivated the newly inducted faculty members to contribute towards nation building. The Vice Chancellor delivered the welcome address and threw light on the objectives and possible outcomes of the FIDP. He emphasized that instead of philosophical lectures, design of this program is centered around imparting working knowledge to the new employees of the University. Prof. D.P. Pathak, Director-DIPSAR narrated the important milestones from a polytechnic institute established in 1964 till the university coming into existence in 2015 through an Act passed by Delhi Assembly, GNCTD in 2008. Further, Prof. Goyal being the first regularly appointed Vice Chancellor of India's First Pharmacy University shared his Vision- 2030 for this seat of higher learning and how all team members need to contribute and work harmoniously to make this a global place of study and research in Pharmaceutical Sciences. He was very generous to share experiences of his own career to show the path of academic progress and eminence to the faculty participants. He was successful in igniting a spark in the minds of the young teachers. The second day was exhaustively devoted to training of administrative skills. Dr. Shreenibas C. Prusty, Registrar-Indian

Law Institute (Deemed University) New Delhi enlightened the participants about the basics of administration and duties and responsibilities of government service personnel. Sh. Salman Qamar Khan, Sr. Law Officer, Ministry of Petroleum and Natural Gas alongwith Sh. Ankit Goyal S.O. Law, elaborated the practical aspects of Right to Information (RTI) Act. Sh. R.K. Bhalla, Senior Accounts Officer detailed about the handling of finances in the university system, preparation of files in the offices, official notings, R & I functioning etc. further Sh. Sudhir Singh Verma, Deputy Controller of Accounts, Transport Dept., GNCTD covered very exhaustively all the practically useful details of Pay and Emoluments, Leaves, LTC, Service rules, Govt. accommodation, Income tax, NPS, admissible allowances etc. applicable to govt. employees. On the third day, Prof. P.K. Sahu briefed the participants about New Education Policy 2020 recently floated by MHRD, Govt. of India. Dr. S. Latha and Dr. Meenakshi Chauhan gave easily understandable interpretations of schemes and policies of accrediting and funding agencies such as PCI, AICTE, DST, DBT. Further, the program was blessed by the presence of Prof. Dileep N. Malkhede, Advisor AICTE, who appreciated the efforts of DPSRU to stand apart from the crowd and also highlighted the historical aspect of how technical education dissemination in India progressed with AICTE efforts. Further during the day, the program got

augmented with the scientific discussions of two luminaries Dr. P.L. Sahu, Scientific Director, NDTL and Dr. Jai Prakash, Senior Principal Scientific Officer & Secretary-cum-Scientific Director Indian Pharmacopoeia Commission. Dr. Sahu talked on dope testing in relation to pharmacy as well as sports sciences and Dr. Jai Prakash discussed about the efforts undertaken by IPC in making the drug standards and monographs for India. Both scientists opened up a plethora of activities on which tie-ups and collaborations can be worked out. Day four was dedicated to activities pertaining to DPSRU Innovation and Incubation Foundation and was led by Prof. H. Popli, Director DIIF. A guest talk by Dr. Manish Diwan, Head, Strategic Partnership and Entrepreneurship Development, BIRAC opened up funding avenues for faculty members. Prof. Popli conducted design thinking session along with highlighting activities of DPSRU Innovation and Incubation Foundation. In the afternoon session, Dr. Sushama Talegaonker discussed the Ethics, Integrity and Fairness in Research. Further, Stalwart of Pharmacy profession, Dr. G.N. Singh, Ex-Drug Controller General of India and Member-General Council DPSRU shared his words of wisdom with the participants and acknowledged that recruitment of the new faculty members by the Hon'ble Vice Chancellor shall be a great milestone in the journey of DPSRU. On the last day of FIDP, the program started with training of Nuclear Biological &

Chemical Defense Damage Control by Mr. Aditya Kaushik, S.O. and Ex. Indian Navy officer followed by session on Technology Integration in University Activities by Mr. Anshul Bagai, Director, ASSRM. Another important area mandated by AICTE on Holistic development by understanding the universal human values was covered by Prof. Rajiv Kumar Tonk, Dean Students Welfare. The Valedictory session was graced by Sh. Azimul Haque, Director, TTE, Govt. of NCT of Delhi. The Hon'ble Vice Chancellor Prof. Ramesh K Goyal delivered a gist of the entire activities at DPSRU and emphasized on Vision 2040 concentrating on long-term planning and goals for the university. Sh. Haque shared his thoughts on producing globally acceptable competent technical manpower to suit the changing needs of the industry. He appreciated the initiative of the worthy Vice Chancellor for designing and organizing this FIDP. The program concluded with vote of thanks by Dr. Saurabh Dahiya, Conve

## Perfect Health Mela 2020

Delhi Pharmaceutical Sciences and Research University organised auditions for students on October 20 2020 to select them for the participation in Heart Care Foundation of India 27<sup>th</sup> Annual Edition of 'Perfect Health Mela' on virtual platform, the focus of which was "Safe Guarding from Covid19 infection".



'The Divya Jyoti and Medico Masti Youth Festival' an inter-college competition thus witnessed participation of students from all walks of life on 2- 3 November 2020 on digital platform. Single entries were called from each school/college for Kavita Path, Debate, Singing, Qawwali, Dance, Mono act, Fashion show and as many for Painting and Slogan Writing competitions. DPSRU bagged several prizes in the same in almost all the categories our students participated in. Ms Anandita from School of Pharmaceutical Sciences and Ms Poornima from School of Physiotherapy brought laurels to the university by winning the first prize in Debate and Dancing competitions respectively. Mr Prateek from ASSRM bagged the 2nd prize in Kavita Path, in which the third and the 4th position was also held by DPSRU students Ms Sakshi from School of Physiotherapy and Ms Kritika from Allied Health Sciences. Ms Deepshikha from School of Physiotherapy won the third prize in Monoact competition.

## World Mental Health Day: Poster Competition

School of Allied Health Sciences celebrated World Mental Health Day on October 10, 2020 with the objective of raising awareness of mental health issues and mobilizing efforts in support of mental health. A digital poster making competition was organized by the Department of Public Health of School of Allied Health Sciences on the theme "**MENTAL HEALTH FOR ALL: Greater Investment Greater Access**" for the students. Around 50 students from different colleges and Universities participated in competition. Ms. Pallavi Mahto bagged first prize while second and third prize were bagged by Mr. Sanjay Bisht and Ms. Anushka Kulkarni respectively. E certificates were provided to the winners and all other participants. A day filled with awareness-building exercise thus, reinforced the message that mental illness is nothing to be ashamed of. Neither is talking

**MENTAL HEALTH FOR ALL : Greater Investment Greater Access**  
 MENTAL HEALTH IS ONE PART OF THE HOLISTIC HEALTH AND WELLNESS OF A PERSON.

**WARNING SIGNS OF MENTAL ILLNESS**

1. LONG LASTING SADNESS OR IRRITABILITY
2. EXTREMELY HIGH AND LOW MOODS
3. EXCESSIVE FEAR, WORRY, OR ANXIETY
4. SOCIAL WITHDRAWAL
5. DRAMATIC CHANGES IN EATING OR SLEEPING HABITS



**WORLD MENTAL HEALTH DAY**  
10<sup>th</sup> OCTOBER

**WAYS TO PRIORITIZE MENTAL HEALTH**

1. DEEP BREATHING
2. EXERCISE
3. GARDENING
4. READING
5. SOCIAL INTERACTION



**FACTS ON MENTAL HEALTH**

1. ACCORDING TO THE WORLD HEALTH ORGANIZATION, ONE PERSON LOSES THEIR LIFE TO SUICIDE EVERY 40 SECONDS .
2. WORLDWIDE, 300 MILLION PEOPLE HAVE MENTAL ILLNESS .
3. IN INDIA, 60-65 MILLION PEOPLE HAVE MENTAL ILLNESS.



PALLAVI MAHTO , 3<sup>RD</sup> SEMESTER , DPSRU

Poster that received First Prize Poster on World Mental Health Day

about it. It's "Time to Talk, it's Time to Change". The event was coordinated by Dr. Jaseela Majeed and Dr. Puneeta Ajmera, SAHS, DPSRU.

Poster that received First Prize Poster on World Mental Health Day

### Internship Orientation for BPT students: October 28, 2020

Before the declaration of result of BPT 8<sup>th</sup> semester Batch 2016 and annual Batch 2015, an orientation was held online on Google Meet Platform on Oct 28, 2020, to convey to the 38 students of Batch 2016 and 5 students of BPT Batch 2015 the mandatory formalities & procedures pertaining to internship, issuance of certificates, other ex-student matters as well as the voluntary starting of internship in the period of pandemic. The meeting was chaired by Hon'ble VC Prof Ramesh K Goyal, convened by Dr Richa H Rai (Professor SOP) & was attended by expert members of SOP - Dr Shilpa HOD and Dr Sheetal Kalra and all faculty members of SOP: Dr Jyoti Dahiya, Dr Varsha Chorsiya, Dr Manish Kumar, Dr Parul Sharma and Dr Sapna Dhiman.

### World Heart Day 2020

On the event of the World Heart Day, Dr Monica Jain was invited to conduct a session on Rejuvenating Heart Mindfully. Dr Monica

Rotary Rotaract DPSRU

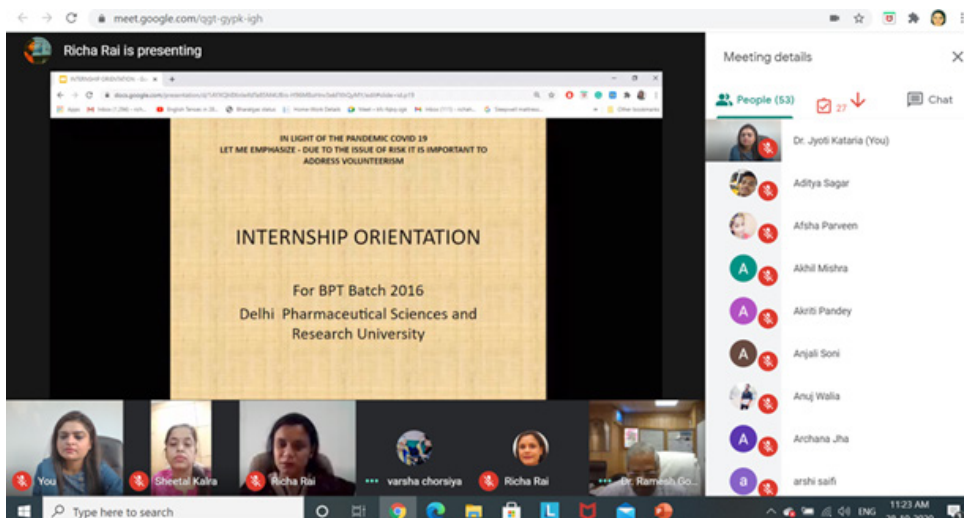
ROTARACT CLUB OF DPSRU  
brings you a webinar on  
**REJUVENATING HEART MINDFULLY**  
with  
**DR. MONICA JAIN**  
Master Clinician at Mount Sinai hospital in New York & Outpatient PT at Stamford Hospital CT, USA

under  
**PROJECT हृदय** | **3rd October 5:30 PM**

**E- certificates to all attendees** | **REGISTER NOW!**

EVENT HEAD	ORGANISER	CLUB PRESIDENT
Rtr. Kashika Bhatia	Prof. Dr Richa H Rai, SOP, DPSRU	Rtr. Ankit Monga

Jain is a renowned Physical Therapist with an experience of over 18 years and is a Master Clinician at Mount Sinai Hospital in New York. She is also an expert in mindfulness, yoga and a Reiki Practitioner. Dr. Jain's vision and passion is to integrate conventional medicine with complimentary techniques such as Yoga, mindfulness meditation with a focus on complete healing of mind, body and heart. Dr Jain strives to make mindfulness **ACCEPTABLE, ACCESSIBLE AND ENJOYABLE** for everyone. She is also the author of the book 'Healing the Heart Mindfully' that talks about practical approach to holistic



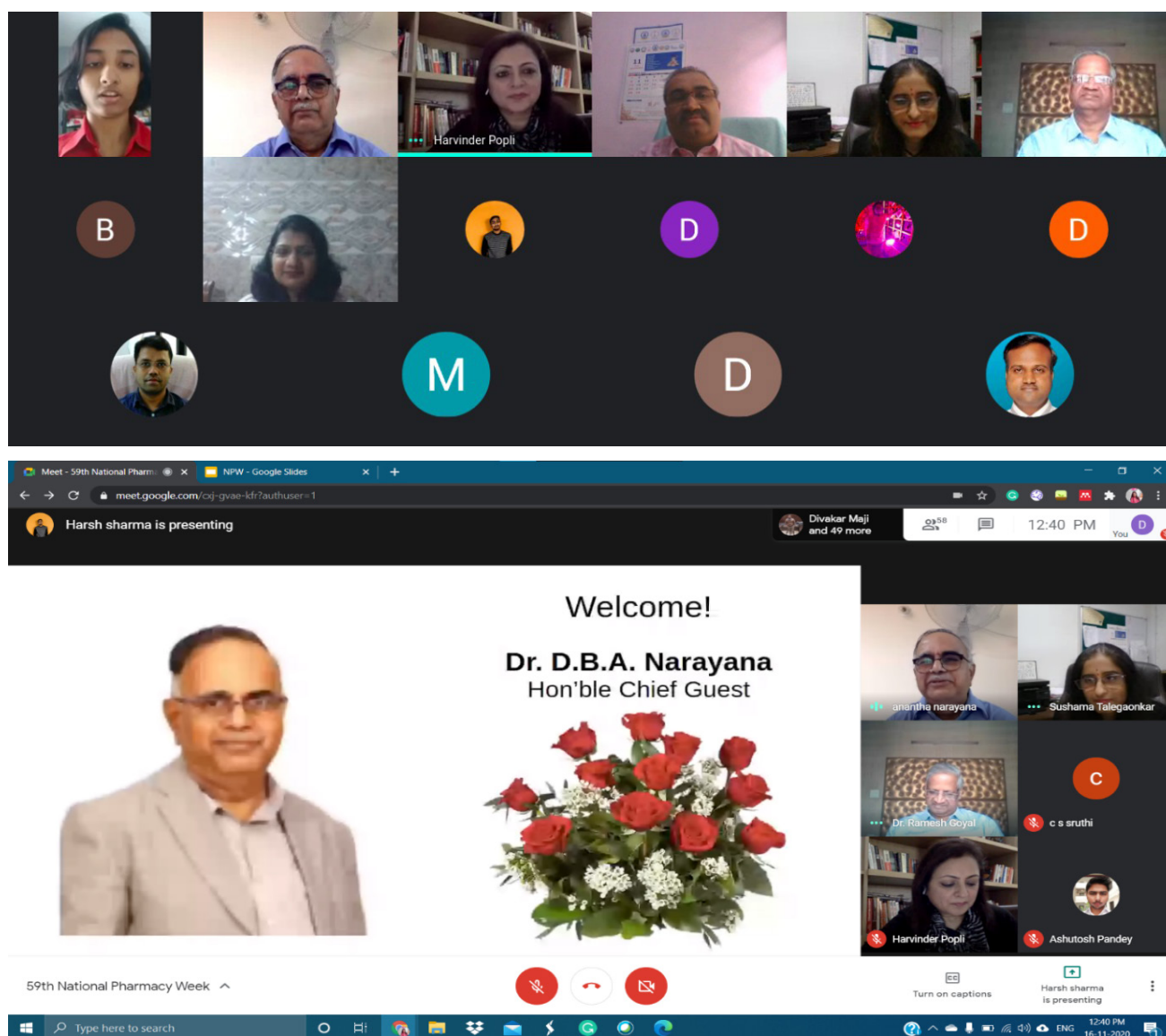
rehabilitation after Cardiac Surgery. The event was organised by Prof. Richa Hirendra Rai and the student Coordinators of this event Mr. Ankit and Ms. Kanishka helped with the technical YouTube live and formatting the Quiz for the event.

### 59th Pharmacy Week Celebration: November 16-22, 2020

Keeping with the same spirits as previous years, Delhi Pharmaceutical Sciences and Research University virtually celebrated the 59th National Pharmacy week from November 16-22, 2020 with great enthusiasm and participation of the students and faculty alike. The program was coordinated by Dr Sushama Talegaonkar.

It commenced on the November 16 with an inauguration program and welcome address by Prof. Geeta Aggarwal followed with words of wisdom for Pharmacy students by Prof. Harvinder Popli. Attendees also had the delight to hear from Prof. Ramesh K. Goyal, Hon'ble Vice Chancellor, DPSRU where he shared his vision for the University. The Esteemed Chief Guest for the inauguration was Dr. DBA Narayana, Chief Scientific officer, Ayurvedyde Trust, Bangalore.

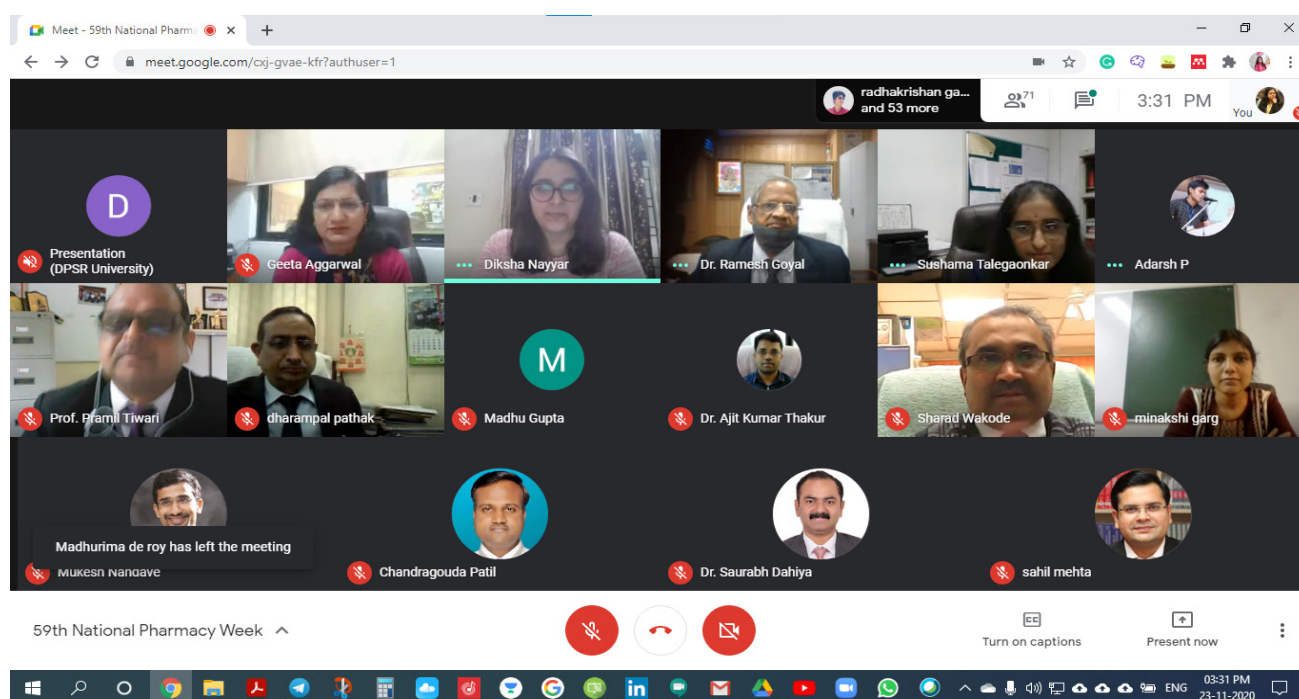
Throughout the week, various engaging online events were conducted with the theme- **'Pharmacists: The frontline professionals'** wherein students from all across the country participated with great zeal and fervor. On the inaugural day, a Flow Diagram Making



competition was held where participants were asked to draw a flowchart on a randomly assigned topic. The submissions were judged based on their content, Clarity of concept, creativity, and general aesthetics. A Label Making event was also organized where participants sent in digital or drawn entries. On day 2, a Debate competition was held on the topic **'Should India adopt the western method of drug dispensing?'** It attracted a wide mass of debaters who kept their points with utmost diligence. A Sales Pitch contest was also held where participants sent a two-minute video pitching a pharmaceutical product to prospective investors. The videos were judged based on their content, delivery, body language, and tone. Kavyanjali- A Poetry Competition was also held as a part of the celebrations where participants sent in a poem in either Hindi or English. On the third day, Inquisitive - A Live Pharma Quiz was organized with the theme Pharmacist: the frontline Professionals. An online Article writing competition on the theme- **Pharmacists thwarting Coronavirus** where the participants were asked to write an article. The submissions were judged based on their content, originality of content, creativity, and objectivity of the text.

The last day observed an AdMad competition which was held where the participants were allocated random pharmaceutical articles on which they had to prepare an innovative digital advertisement poster/ leaflet for the same. A Theme Photography competition was also held on the theme **'The New Normal'** We received entries from outside our university as well wherein participants had to submit a write-up along with the photo explaining the composition of their picture.

On 23rd November, valedictory function was organized. Dr. Pramil Tiwari, Head, Department of Pharmacy Practice, NIPER, Mohali was the chief guest and who graced the occasion with their kind words. Prof D P Pathak, Director, DIPSAR highlighted the contribution of Pharmacists to a world where everyone benefits from access to safe, effective, quality and affordable medicines and health technologies. Prof R K Goyal Hon'ble Vice Chancellor, DPSRU, discussed various facets of Pharmacy profession along with the responsibilities and challenges present in front of the Pharmacy professionals. Winners of all the competitions were announced and



certificates were presented to them virtually. Report of Pharmacy week and vote of thanks were presented by Dr Sushama Talegaonkar.

### Journal Club: December 04-18, 2020

The Journal Club activity under the School of Allied Health sciences was conducted from 4<sup>th</sup> December 2020 to 18 December 2020 in which all the students and their respective faculty members were participate from different streams like MBA Pharmaceutical Management, MBA Hospital Management and Master in Public Health to guide their students regarding how to conduct Literature Review for conducting research in their concern field. The students presented an outline of the research topics supported with literature review which are concern with pharmaceutical industry developments, Consumer awareness and perception towards pharmaceutical product, Medical healthcare insurance, Child nutrition and personal hygiene and quality service in hospital sector. The presentations are evaluated by their respective guides on the basis of their presentation skills, topic content and communication skills. The Journal Club activity

allow student to explore new research topics with innovative idea to enhance their knowledge and understanding towards pharmaceutical and healthcare industry.

### National Girl Child Day Celebrations

School of Allied Health Sciences celebrated Save Girl Child Day on January 24, 2021 as a part of University's Community extension activity with an objective of raising awareness about importance of girl child. Beti Bachao Beti Padhao (Save Girl Child) is the most recent initiative started by the Government to actively encourage the people to save girl children. The programme was organized to support the Government's initiatives in saving girl children and to create awareness about women's rights and facilitate positive change for girl children in India. Event was inaugurated by Honourable Vice Chancellor, Prof. (Dr) Ramesh K. Goyal and Registrar, Dr O.P. Shukla. A string of activities was organized under the guidance of Dr. Jaseela Majeed, Head School of Allied Health Sciences and were coordinated by faculty members, Dr Puneeta Ajmera and Dr J. Swaminathan and students of the Department of Public Health.

**Humans are neither created in labs, nor they grow in farms,  
If you really want to save the future, welcome them with open arms.**

Collectively, as a society we must ensure:

- Our girl children get equal opportunity when it comes to education.
- Create a safe environment for all women.
- Support women's resistance to violence.
- Recognize, redistribute and reduce care work.
- Motivate and help them to achieve their goals.
- Encourage gender equality at our homes as well as at our workplace.

**People love to have a MOTHER, WIFE, SISTER and of course a GIRLFRIEND too then why not a DAUGHTER?**

**“SAVE GIRL CHILD”**

**बेटी बचाओ**  
save the girl child

SCHOOL OF ALLIED HEALTH SCIENCES, DPSRU, NEW DELHI



universities registered and participated in the competition.

2. Small gift hampers including baby care essentials, masks and immunity boosters were distributed to the parents of new born baby girls at Rural Medicare Centre, a Community hospital near Saket Metro Station in the presence of Director of RMC, Dr Toor and administrative staff of the hospital as a celebration of girl child birth. Students of Master of Public Health Programme provided awareness on girl child, importance of breast feeding and immunization programmes.
3. Pamphlets were distributed at Rural Medicare Centre, University premises and amongst local community in the vicinity.

Education and awareness can contribute in improving attitudes towards the nation's female population. A day filled with awareness-building exercise thus, reinforced the message that

*“Humans are neither created in labs, nor they grow in farms, If you really want to save the future, welcome them with open arms”.*

## Republic Day Celebrations

The 72<sup>nd</sup> Republic Day was celebrated in DPSRU campus to mark the day when the Constitution of India came into effect after India gained independence having had an extensive struggle



for freedom. After the unfurling of the Indian National Flag by the Honourable Vice Chancellor Prof Ramesh K Goyal at the saluting base, a troop presented general salute to the VC under the leadership of security In-charge Sh. Krishan Kumar (Ex- serviceman). This was followed by the march past parade by the University guards contingent comprising several elite services viz Army, CISF and BSF, etc.

Hon'ble VC heralded the event by his inspirational and patriotic orate. This was followed by a motivational talk by Director, School of Pharmaceutical Sciences, Prof. Harvinder Popli. The heart-warming and impressive cultural performance which exhibited the immense talent in our faculty and their families filled the ambience with patriotic fervour. Ms Lakshita and Ms Harshali presented the glory of our motherland and a dance on patriotic songs, Mr Abhiyank orated a patriotic poem, Ms Vaishvi-Marathi Mulgi depicted the culture of the state of Maharashtra and Ms Anshika sung the national anthem for us. The superlative poem by Prof. Rajiv K Tonk, Dean Student Welfare added grandeur to the event. Melodious songs sung by Dr Amrita Parle, Dr Mukesh Nandave

and Prof. Richa H Rai added to the zeal. Dean Academics Prof. Gita Aggarwal delivered the vote of thanks profoundly appreciating the efforts of all the faculty and staff and concluded the event with words which instilled the feeling of nationalism again. All dispersed in high spirits celebrating this occasion & enjoying the flavours of refreshments and ladoos.

## World Cancer Day: Awareness Program

### *"Cancer Preventions – How Much Effective"*

The School of Allied health Sciences organized a webinar in collaboration with Rajiv Gandhi Cancer Institute and Research Centre (RGCIRC) Niti Bagh New Delhi to create awareness on Cancer Prevention on the occasion of World Cancer Day on 3rd February 2021. The theme of webinar was "Cancer Preventions – How Much Effective".

Dr Leena Dadhwal, Consultant, Surgical Oncology, RGCIRC was keynote speaker for the webinar. The session was opened by introductory remarks from Honorable Vice Chancellor followed by welcome address by Dr. Jaseela Majeed, Head, School of Allied



Health Sciences. Dr Dadhwal discussed about commonest cancer in India followed by environmental factors, risk factors and various screening measures available for different types of cancer. She highlighted the importance of early screening and primary prevention. The session was moderated by Ms. Rakhi Ahuja, and coordinated by Dr. Puneeta Ajmera, Dr. Abhishek Dadhich and Dr. J. Swaminathan.

### Saraswati Pooja Celebrations

In honour of Maa Saraswati, and to mark the arrival of spring, Basant Panchami is celebrated all over the country. This day being the fifth day of the Magha month of the Hindu Calendar, was observed by offering Pooja and shlokas to Goddess Saraswati, on the Feb 16, 2021 this year. Hon'ble Vice Chancellor Prof Ramesh K. Goyal, Director DIPSAR Prof P. K. Sahoo, Director School of Pharmaceutical Sciences, Prof Harvinder Popli, Dean Student's Welfare Prof Rajiv K. Tonk, Dean Academics Prof Gita

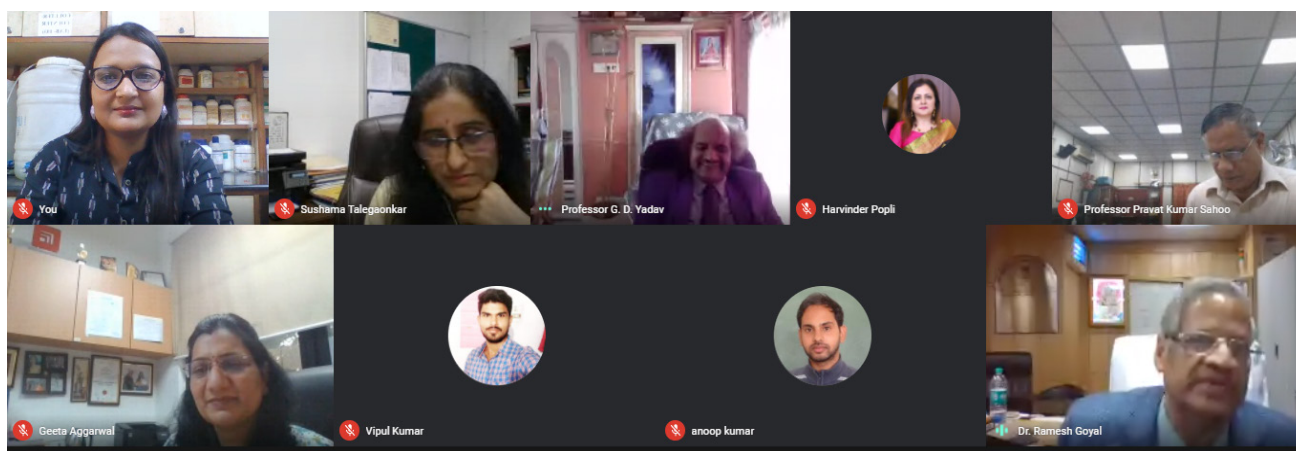


Aggarwal, Prof D. P. Pathak along with all faculty and staff adorned the event observing all precautions and unanimously and with their hands folded, prayed to the Goddess to bestow her blessings on DPSRU/DIPSAR family. Yellow being the favourite color of the deity, yellow fruits were then distributed amongst all throughout the campus.

### National Science Day Celebrations

Delhi Pharmaceutical Sciences and Research University virtually celebrated the National Science Day 2021 on March 01, 2021 with great enthusiasm and participation of the students and faculty alike. The theme for this year was FUTURE OF SCIENCE, TECHNOLOGY AND INNOVATION: IMPACT ON EDUCATION, SKILLS AND WORK.

The celebration was held on this day 4 PM onwards with an inauguration program in the presence of eminent personalities. The event started with the Saraswati Vandana to shower all with blessings of guidance and knowledge. Moving ahead a welcome address was given by Prof. Geeta Aggarwal followed with words of wisdom for all the participants by Prof. Harvinder Popli, Director DPSRU. Prof P.K. Sahoo, Director, DIPSAR also graced all the participants with his enlightening words. Attendees also had the delight to hear from Prof. Ramesh K. Goyal, Hon'ble Vice-Chancellor, DPSRU where he shared his vision for the university and

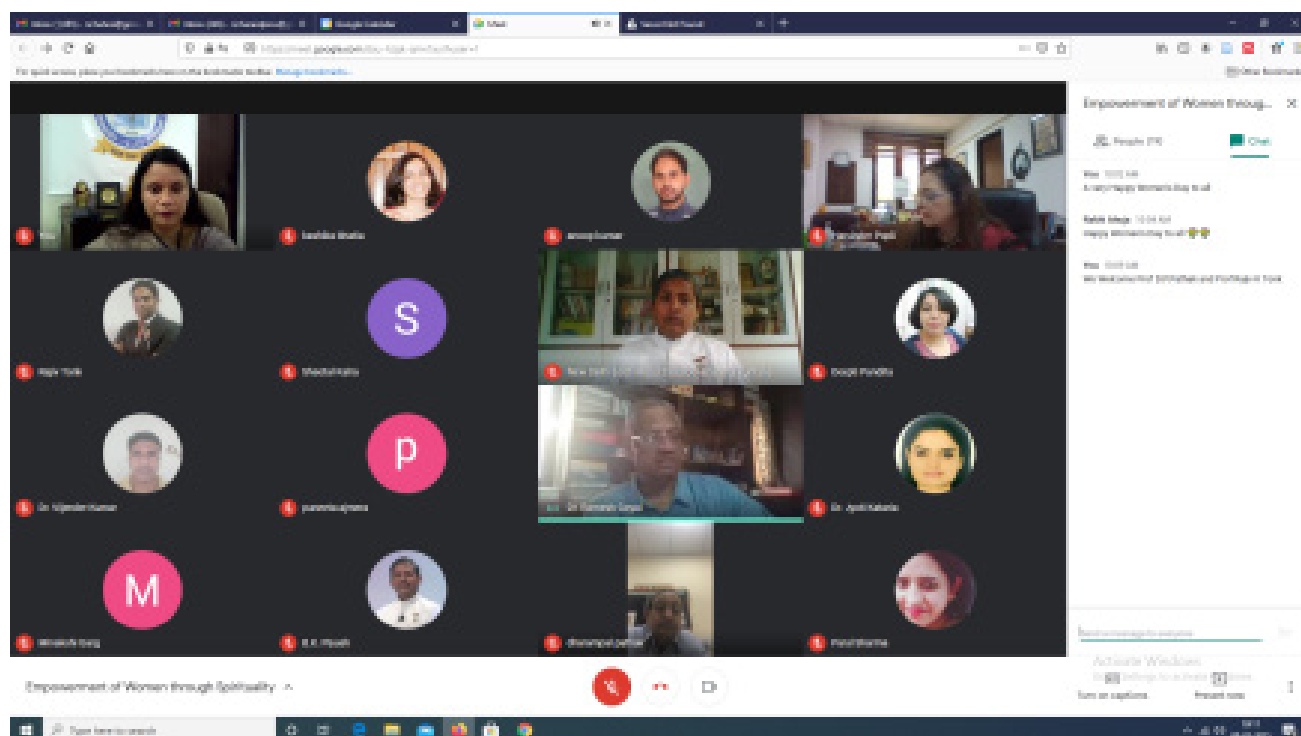


importance of science and technology in the current scenario of pandemic. The Esteemed Chief Guest for the celebration was Prof (Dr.) G.D. Yadav, PadmaShri awardee, currently holding the titles of Emeritus Professor of Eminence and J.C. Bose National Fellow in ICT, Mumbai. He through his words of wisdom talked about the need of science, technology and innovation and how Pharmaceutical industries and universities can grow for the betterment of the society. He described universities as the innovation hub. After his inspiring and motivating words, the faculty members had a great interaction with him on the same topic. At the end the event organizer Dr. Sushama Talegaonkar gave a vote of thanks and the event was called to an end with the national anthem.

equally important to recognise the challenges and acknowledge her strengths which our Honourable Vice Chancellor Prof Ramesh K Goyal has never refrained from. With his kind acquiescence, the morning saw the eternal bliss for all faculty at DPSRU amidst the busy routine, as we heard the essence of spiritualism from none other than BK Piyush which was followed by a tranquilizing meditation session from BK Girijaji who has been practicing meditation from more than 30 years now. This online session was organised by DPSRU and DIPSAR in collaboration with WICCI and SPER Forum and conducted by Prajapita Brahma Kumaris

## International Women's day Celebrations

The International Women's day was first observed in the early part of 19<sup>th</sup> Century, since then this day has been celebrated across the globe to uphold the social, economic, cultural, and political achievements of women. It is



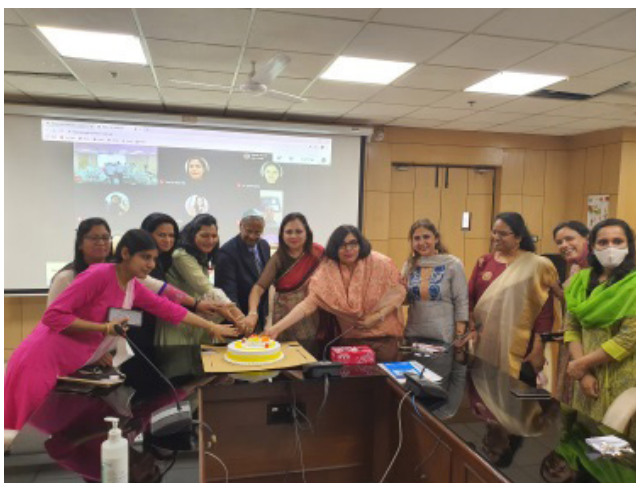
Ishwarya Vishwa Vidyalaya. This Vishwa Vidhyalaya is known both for its grassroot skill development and holistic development program, inculcating self-righteousness in hearts of all.

This was followed by a small cake cutting ceremony observing social distancing where Hon'ble VC very fondly expressed how all the Veda and cultures in India enunciate 'feminine energy as the essence of the universe'. Dr O.P. Shukla, Registrar, DPSRU, and Prof P.K. Sahoo Director DIPSAR sent their e-wishes to the entire DPSRU and DIPSAR family. Prof. Harvinder Popli, Director SPS, also expressed how the women silently observe all their roles and stand behind all odds of the family. Prof. D.P. Pathak expressed how women are the empowering force in Indian Culture and showered his blessings. This was followed by an immensely touching quote by Prof Rajiv K Tonk, Dean Student Welfare, on women and their diverse duties, their roles, their power and their immense motherhood. Prof Geeta Aggarwal expressed her best wishes to all, followed by a hymn of praise to almighty by Prof Richa H Rai ensuing which we had a discussion on the Quality of life in rural and tribal women initiated by our PRO Ms Pritha and remarks by Dr. Shilpa Jain, Dr Minakshi Garg, Dr Madhu Gupta, Prof. Deepti Pandita, Dr Jaseela Majid, Ms Archana Mehta. We were fortunate to have amongst us Dr Saroj Jain, Principal, Hindu College of Pharmacy, Sonipat Haryana and a proud moment to mention that she is our own

Alumni of College of Pharmacy, DIPSAR. Faculty showed great enthusiasm by joining us online for the event.

## Shri Guru Tegh Bahadur Jayanti: April 02, 2021

As per the suggestion from Department of Higher education to commemorate the 400<sup>th</sup> Shri Guru Tegh Bahadur Jayanti and celebrate Shri Guru Tegh Bahadur Jayanti Prakash Parab Samaroh at all Educational Institutions by organising literary events to spread awareness amongst the young generation on the inspirational life story of Shri Guru Tegh Bahadur and his supreme sacrifice, with the kind permission from Hon'ble Vice Chancellor, DPSRU celebrated the event on April 02, 2021. An online intercollege essay competition (In Hindi as well as in English) for the students of DPSRU and DIPSAR. The topic for Essay writing for English was Guru Tegh



Delhi Pharmaceutical Sciences & Research University (DPSRU)

# "THE WRITTEN OLYMPICS"

## ESSAY WRITING COMPETITION

ORGANIZED BY:  
DEAN STUDENT WELFARE'S OFFICE

On the auspicious occasion of Guru Teg Bahadur Jayanti, DPSRU is organizing an Online Essay Competition

**THEME:** "The Life of Guru Teg Bahadur"

Registration Link  
<https://bit.ly/dpsruessay>

- Language: English/Hindi
- Maximum Word Limit: 500 words
- Mode of Submission: Online
- E-Certificates for all participants
- Eligible: All students of DIPSAR and DPSRU

**CASH PRIZES**

1st Prize: Rs. 2,100/-  
2nd Prize: Rs. 1,100/-  
Consolation Prize: Rs. 500/-  
(Prizes for each language)

For more details contact:  
Prof. Richa Rai      Ankit Monga  
Extracurricular Coordinator,      Student Coordinator,  
Faculty, DPSRU      Faculty, DPSRU

Collaborators:

Bahadur- The protector of Human Rights and that for Hindi was Guru Tegh Bahadur- Hind ki Chaadar. Cash prizes were planned for the event to boost the youngsters and a panel of judges had judged the event. Dean Student's Welfare Prof. Rajiv Tonk and Extracurricular faculty coordinator Prof. Richa H Rai, Dr Jyoti Dahiya and Dr Manish Kumar along with student's coordinator Mr Ankit Monga had organised and conducted the event. The winners are still to be announced.

### World Pharmacists Day-2020: September 25, 2020

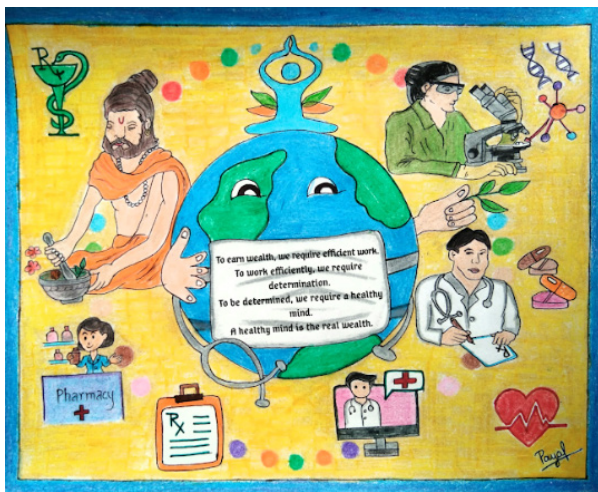
World Pharmacists Day was celebrated on 25th September 2020, at Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi. Pharmacist Day 2020 was

celebrated with tremendous joy by all faculty as well as the students of the University. Prof R K Goyal, Honorable Vice-Chancellor, DPSRU presided the function. Dr. V. Kalaiselvan Principal Scientific Officer at Indian Pharmacopoeia Commission and Prof. S. S. Sharma, Professor, NIPER graced the occasion.

The event started with welcome address by Dr. Rajani Mathur, Assistant Professor, DIPSAR. Prof. Geeta Aggarwal, Dean Academics highlighted the contribution of DPSRU faculty in fight against Covid-19. She further said that the most important aspects for a pharmacist should be professionalism and the ethics. Prof. Harvinder Popli, Director, School of Pharmaceutical Sciences explained the theme for this year of Pharmacist day i.e. Transforming global health. She energized the students to



Placard wish Collage by Students of DPSRU and DIPSAR wishing World Pharmacists Day



Few Posters submitted by students

do something unique and not become one in the crowd. Prof D. P Pathak, Director, DIPSAR acknowledged the gathering by introducing himself as a proud pharmacist. He discussed various facets of Pharmacy profession along with the responsibilities and challenges present in front of the Pharmacy professionals. Dr. S. S. Sharma, Professor, NIPER highlighted the contribution of Pharmacists to a world where everyone benefits from access to safe, effective, quality and affordable medicines and health technologies.

Prof R K Goyal, Vice Chancellor highlighted the role of Pharmacist in present COVID pandemic situation and how they can play vital role in transforming global health. He also informed the gathering about the discovery of various drugs and also mentioned that the university will take initiative in the areas like materiovigilance and precision medicine. Prof. Goyal advised students to have Pride in self profession and also inspired the budding minds to achieve excellence. He encouraged the research scholars to be creative, innovative, to

implement their idea and finally earn laurels for university and themselves.

The program proceeded further by making a verbal promise, i.e. “Oath Ceremony” by Prof. Rajiv Tonk, Dean Students’ Affairs, where in all the dignitaries along with the students took the “OATH”. This event was concluded by Vote of Thanks by Dr. Rajani Mathur.

In the evening, Dr. Sushama Talegaonkar, Associate Professor, DPSRU organized different on-line activities including poster and slogan making competition with the theme ‘Transforming Global Health’, wherein students participated with great zeal. A huge, diversified responses from students of various Pharmacy institutions from Delhi NCR and other states including Andhra Pradesh, Karnataka, and Maharashtra were received. Another interesting activity namely ‘Placard Wish Collage’ was also conducted by the students very enthusiastically under the guidance of Dr. Sushama Talegaonker. It was one-of-a-kind experiences to celebrate this day in online mode due to the pandemic situation.

# VOLUNTEERING ACTIVITIES FOR THE DISTRIBUTION OF OXYGEN CONCENTRATORS FOR COVID-19 PATIENTS IN COLLABORATION WITH AN NGO DISTRESS MANAGEMENT COLLECTIVE INDIA

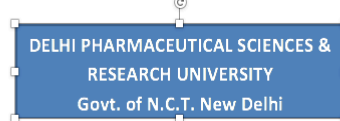


*“Crisis strengthens humanity. Humanity strengthens resilience”.*

In order to battle the second wave of Covid-19, the civil society organisations in India gears up holding hands each other, upholding that even if the entire system struggles to handle the surge in COVID cases, humanity works to save lives with essential support services. The School of Allied Health Sciences, joined the endeavour titled ‘Praan Vaayu’ (which means Life Force in Sanskrit)’with Distress Management collective India, a voluntary organization under the guidance of Dr. Jaseela Majeed, Head SAHS with three Masters students of SAHS, Ms. Pooja Rathore (MBA-PM), Ms. Chetna Kathuria (MHM) and Ms. Amena Sherwani (MPH) to provide Oxygen Concentrators for home care of COVID-19 patients when second wave of pandemic hit the country. The team is distributing oxygen concentrators free of costs to Covid-19 patients with proper sanitization protocols. The volunteers are involved in tracking the concentrators, performing inventory management and other support activities of these oxygen concentrators. In addition to that, tele counselling and prescription support were given to Covid-19 patients.



are help guide actions to ensure safety for the faculties and staff while working from University considering the COVID-19 pandemic. Since Delhi Pharmaceutical Sciences & Research University is in a relatively close setting with shared spaces like corridors, elevators, stairs, meeting rooms etc, making the faculty and staff more vulnerable to COVID-19. Hence, to contain the spread of covid-19, the SOPs should be followed by the faculty and staff members and were displayed on the website.



## Collation of Standard Operating Procedures (SOPs) during COVID19

The Standard Operating Procedures (SOP's) to be followed during the working in University during COVID-19 have been prepared by faculty of School of Allied Health Sciences, Dr. Jaseela Majeed, Dr. Puneeta Ajmera and Dr. Sheetal Yadav. The Standard Operating Procedures

### STANDARD OPERATING PROCEDURES DURING COVID – 19



Help guide actions to ensure our own and others' safety while working from University in light of the COVID-19 pandemic

Delhi Pharmaceutical Sciences & Research University is in a relatively close setting with shared spaces like corridors, elevators, stairs, meeting rooms etc, making the faculty and staff more vulnerable to COVID-19. Hence, in order to contain the spread of covid-19, the following SOPs should be followed by the faculty and staff members.

## DIPSARU ALUMINI FORUM (DAF)



**Prof. Harvinder Popli & Mrs. Manju Vyas**

The legacy & successful history of more than 55 years of College of Pharmacy, New Delhi (now DIPSAR-Delhi Institute of Pharmaceutical Sciences and Research University), from the grounds of Pusa Institute to the new journey of pharmaceutical sciences, presently the first Pharmacy university of India, Delhi Pharmaceutical Sciences & Research University, has successfully created its alumni forum DAF (DPSRU Alumni Forum).

DAF joins the experience and rich heritage of over 50 years of presence of DIPSAR, with the current strengths of healthy foundation and skills at DPSRU (Delhi Pharmaceutical Sciences and Research University).

The newly elected DPSRU Alumni forum, under the leadership of **Dr. Rajiv Gulati** boasts of the strengths of the legacy & rich experience of industry & academia, with the power of strong networking to usher an environment of cohesiveness & collaboration between the rich past & the upcoming future.

Dr. Rajiv Gulati is currently a Director on the Boards of VST Industries and Encube Ethicals. He also assists Infinion Bio Pharm and Multiples Private Equity firm, as an advisor.

His expectations from the vibrant Alumni association are where past graduates can provide mentorship and guidance to current students. In many cases the help may extend to scholarships and assisting with employability as well. Apart from that it's a powerful forum for the past graduates to harness each other's expertise. There is a spectrum of knowledge with senior Alumni across Quality, Manufacturing,

Regulatory, Sales, Marketing, and Research etc. The possibilities to assist each other are immense. This vision is not possible to realize by one individual or even a handful of well-meaning individuals. Let's reach out to as many Alumni as possible, across the Globe, and harness the collective strength with the Use of powerful social media tools can negate the Physical distances.

DAF is a voluntary association, with an objective to uplift, support and strengthen associations amongst the alumni & students who have graduated out of DIPSAR (earlier College of Pharmacy) and DPSRU. DAF has been created with an objective to engage in & facilitate consultations on varied scholarly, industrial, academic and social issues in the areas of pharmacy, public health, healthcare innovation & more. We hosted some interesting events under the aegis of DAF.

### **DPSRU ALUMNI FORUM Members**

**President** – Dr. Rajiv Gulati

**Vice- President-** Mr. Brij Mohan Aggarwal

**Secretary-** Ms. Monika Targotra

**Joint Secretary-** Dr. Kriti Soni

**Executive Members-** Dr. Sarika Madan, Prof. (Dr.) Vandana Arora Sethi, Ms. Reena Bhattacharya, Mr. Surender Kamal, Dr. Sachin Kumar, Ms. Nupur Goel

**Nominated Members** Dr. Manish Diwan, Dr. GP Singh, Dr. SL Nasa

**Treasurer-** Dr. Rajiv Tonk

### **Ex Officio Members:**

**Patron:** Prof. Ramesh K. Goyal, Vice Chancellor  
DPSRU

**Co Patron:** Prof. Harvinder Popli, Dean and Off  
Registrar

Prof. D. P. Pathak, Director DIPSAR

### **Vision for DAF by Our Other Alumni Forum Members**

Our vibrant **Executive Member, Ms. Reena Bhattacharya** is a Strategy Consultant & Managing Director, Renuto Consulting and visiting faculty at DPSRU also shares her vision for the alumni forum. Her vision for the Alumni association is to build a platform for personal & professional network for bridging

the gaps between industry & the institution. Our association would also foster connects, create engagements & build a community that works to uplift the profession of Pharmacy.

Mr. Surender Kamal, working as a Senior Manager-Regulatory Affairs, GSK Consumer Healthcare Ltd in Nutrition and Digestive Health Category shares his vision to have a commitment on transparency of goals and actions, along with a respectful, congenial and strong ties to industries in promoting mentorship, internship and career opportunities **for students and Alumni."**

Acknowledgement: We are thankful to Ms. Reena Bhattacharya and Ms Monika Targohtra for their help in collating the information.



## दिपसरु - कुलगीत

भेषज विज्ञान के कल्पतरु हे दिपसरु,  
भारत भेषज के वैभव हे विपदहरु,  
भेषजीय विज्ञान अभिज्ञान भेषजगुण विज्ञान दिपसरु।  
स्नातक परास्नातक वारिधि के गुरुकुल हे विषम हरु॥ भेषज...  
भेषज गुण औषधीय वृक्ष, विज्ञान के संगम हे दिपसरु,  
हे दिपसरु महान तुम्हारी जय हो जय जय जय हो॥१॥ भेषज...

ज्ञान भारती मातु शारदे, ईशु नानक धनवंतरी हो।  
भेषज के इस विद्यापीठ को अपना मंगला शिक्षा दे दो॥ भेषज...  
बहे निरंतर दिग दिगंतर, ज्ञान की धारा, ये यश पूरित कर दो।  
इस परिसर में तकनीकी ज्ञान को विश्व पलक पर रख दो॥ भेषज...  
सुजान प्रदान कर दो, बने विमल मति आस यह पूरी कर दो,  
हे दिपसरु महान तुम्हारी जय हो जय जय जय हो॥२॥

प्रोफेसर (डॉक्टर) श्रीधर द्विवेदी





## DELHI PHARMACEUTICAL SCIENCES AND RESEARCH UNIVERSITY

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