



भैषजिक समाचार@DPSRU

Newsletter

of

Delhi Pharmaceutical Sciences and Research University

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

M.B. Road, Pushp Vihar, Sector 3, New Delhi - 110017

GOING TO NEXT LEVEL FROM INNOVATIVE DISCOVERIES

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"The greatest glory in living lies not in never falling, but in rising every time we fall."

-Nelson Mandela

“ A Message from Vice Chancellor's Desk



As we come to the dusk of the year 2020 with a hope of dusk to the dreaded COVID-19, I am pleased to note that our “University converted the Adversities into Opportunities” during this period and has marched forward with new vistas. On 22nd December we had the 3rd Convocation of our University. This day turned out to be the most auspicious day because it was unique Solstice Day of the Universe, with three planets (Jupiter, Saturn and Earth) coming in one line after 800 years. Our University did not differentiate D. Pharm. students and 413 degrees with first batch of BPT, BSc (Sports Sciences) and Ph.Ds of our University were conferred during this convocation. The presence of the doyen of pharmacy in India Prof. B. Suresh, Mysore, added a flavor this occasion. Just before the start of convocation the news of our faculty getting the Commonwealth Fellowship from UK (Dr. Mahaveer), Research grant of Rs. 67 Lakhs from SERB, DST (Dr. Sushma Talegaokar) and a grant of 5.45 Cr from our own DTTE for the establishment of the Precision Medicine Center infused everlasting excitement. The success of herbal formulation in Clinical trials added fuel to fire of excitement.

Research, innovation and incubation have been the priorities of our university. With consistency in awards to faculty for research including name of some faculty in the top 2% scientists list, publication of patents, and now our university been shortlisted by SiliconIndia for "10 Best Campuses for Research and Innovation in India-2020 make our University very proud.

Over and above when the first batch of BPT coming out this year from the University the news that our School of Physiotherapy has been included in 10 best Physiotherapy institutes, feels us like “सोने पे सुहागा”. Our School of Physiotherapy has taken yet another initiative of bringing together different state physiotherapy councils of India under the leadership of Prof. Arun Aggrawal and Dr Shilpa Jain.

This year although there was delay in the admissions and academic sessions but “Orientation Programs” were held as usual and added to this was a successful launch of “Journal Club Activity”. The base of our University DIPSAR continues to shine. We had four AICTE sponsored QIPs with participation of over 300 faculty and resource persons from over 10 countries.

We welcome our New Director, our own Professor P. K. Sahoo, who happens to have the highest number of years of experience being the faculty also in the institute in the apex body of technical education, AICTE.

Woods are Lovely Dark & Deep
And Miles I go Before I Sleep,
And Miles I go before I sleep

Thank you One and All

Prof. Ramesh K Goyal
Vice-Chancellor, DPSRU

A Message from Registrar's Desk



On the behalf of Administration, faculty and staff of Delhi Pharmaceutical Sciences and Research University, I would extend warm welcome to the new students. Congratulations to them for making a very positive choice in becoming a student and member of our DPSRU family. We would share with you the efforts at DPSRU to maintain high standards of health and safety at campus towards ensuring continuity of education for all students. The university stands committed to ensure that it provides a healthy and safe

environment to all personnel and enable efficient and uninterrupted continuity of education to all its students. DPSRU has set many milestones in a few years of its establishment in terms of Research, innovation and incubation. The university administration will always be available to support academic activities, in interest of students and faculty.

Dr. O.P. Shukla
Registrar, DPSRU

"The way to get started is to quit talking and begin doing."

-Walt Disney

Prof P K Sahoo taking over as Director, DIPSAR

Prof.P.K.Sahoo has taken over as the Director, Delhi Institute of Pharmaceutical sciences and research (DIPSAR), in 2020. With an academic and research experience of 32 years, Dr Sahoo is M.Pharm., Ph.D from Andhra University and MBA from Xavier Institute of Management. He was earlier Professor and Head Department of Pharmacy, University of Delhi -Delhi Institute of Pharmaceutical Sciences and Research (DIPSAR) since 2014. He was Director AICTE from 2010 to 2013 and earlier from 1998-2004. He was also Director Continuing Education Program of AICTE at Bangalore 2002. Dr Sahoo has been a Convenor, Continuing Education Program (CEP) of AICTE, an Expert committee member: AICTE Project Evaluation, Expert for BIRAC Project Evaluation, Member, Visiting Committees of PCI, NAAC expert committee member, CSIR extramural Division expert member and Expert member for NTA GPAT Exam. He has received National award for Best Research Paper of APTI in 2007 and Best Professor award in 2019 awarded by Debang Mehta National Awards. Dr Sahoo has been President of Delhi State Branch of APTI 2008-11 (Association of Pharmacy Teachers of India). He conducted Northern Zone conference for Development of Herbal Monograph in 2009.



Message

I am very much delighted to express that the competent authorities of DPSR-University has reposed their faith on me to assign me the job of leading the prestigious institution of Pharmacy profession-DIPSAR. The institution with a rich and glorified history has given rise to the offshoot institution in the form of DPSR-University to further broaden the scope of the profession while remaining itself as a constituent flagship institution of the university. I am very happy to mention here that the institution gets special attention from the very experienced knowledgeable and visionary Vice Chancellor of the University, who is determined to reposition it as the premier institution of the country in terms of NIRF ranking, NAAC accreditation any in many more research platforms. I am very happy and committed to give my full support to strength the efforts of the authorities and make their vision a grand success to bring up the institution to the apex level.

Prof. P.K. Sahoo
Director, DIPSAR

“ Launch of New formulation

LAUNCH OF HERBAL FORMULATION AND SUCCESS IN CLINICAL TRIALS FOR COVID-19: COROQUIL-ZN

Collaborations: Delhi Pharmaceutical Sciences and Research University collaborated with Aravali Biodiversity Park, Remedium Therapeutics and Jammi Wellness Clinic.

Scientific Team Members: Prof. Ramesh K Goyal, Prof. C.R. Babu, Dr Subbu Apparsundaram, Dr. Pat Krishnan, Dr. Jammi Narsimham, Dr Jaseela Majeed, Prof. Rajiv Tonk, Dr Mahaveer Dhobi, Dr. Bhoomika Patel



DPSRU in collaboration with Remedium therapeutics has developed a herbal formulation targeted to prevent and treat COVID-19. The early laboratory investigations were done by partnering with University of Missouri, USA.

Based on the unmet prophylactic and therapeutic need, the team under the guidance of Prof. Ramesh K. Goyal identified potential medicinal plants from Delhi's Aravalli Biodiversity Park targeting ACE-2 enzymes which play a major role in the pathophysiology of COVID-19. The team investigated the molecular interactions between phytochemicals and host or pathogen target proteins by in-Silico molecular modelling followed by further investigation using cell-based functional assays.

Functional analyses of these phytochemicals guided in choosing the appropriate plant extracts for formulating new product. The finalized formulation has gone into clinical studies for investigating the efficacy and mechanism of action.

Currently CoroQuil-Zn is in Phase 3 Clinical trials with 80 patients registered and undergoing treatment using an Open-Label Parallel Design Two-Arm Study at Bangalore for mild and moderate COVID-19 as per the WHO ordinal scale. The results so far have been good where 93% of the patients under the test arm have turned COVID-19 negative on the 7th day of administering the drug as against the Standard-Of-Care where 53% of the patients turned COVID-19 negative providing a statistical significance that CoroQuil-Zn is effective. The test arm patients (CoroQuil-Zn) have also exhibited 200% and 700% of viral load reduction on day 5 and day 7 respectively.

The team is planning to launch the CoroQuil-Zn herbal formulation very soon for the treatment of not only COVID-19 but beneficial for post COVID effects like lung fibrosis.

Research means what you dont know but you are willing to find out.

-Charles F. Kettering



DEVELOPMENT OF DPSRU-CENTRE FOR PRECISION MEDICINE AND PHARMACY (DCPMP) UNDER DELHI KNOWLEDGE DEVELOPMENT FOUNDATION (DKDF)

Funding Agency: Delhi Knowledge Development Foundation (DKDF), DTTE, Govt. of NCT of Delhi.

Sanctioned Amount: Rs.5,45,40,000/-

Team Members: Prof. Ramesh K. Goyal (Chairman), Prof. Geeta Aggarwal, Prof. C. R Patil, Dr. Jaseela Majeed (Member Secretary), Dr. Ajit Kumar Thakur, Dr. Mukesh Nandave and Dr. Rajani Mathur.

Delhi Pharmaceutical Sciences & Research University is establishing the DPSRU Centre of Precision Medicine and Pharmacy (DCPMP) under Delhi Knowledge Development Foundation (DKDF), DTTE, Govt. of NCT of Delhi.

The specific objective of the Centre is to establish the human and technical infrastructure to foster transdisciplinary national-scale research collaborations to focus on the precision medicine and have affordable diagnostics and treatment modalities for Indian patients. It also aims to develop novel methods to integrate individual, contextual and genomic data to accurately identify precise groups at risk and being resistant to a specific medication.

DPSRU, being the first Pharmacy University in the country has the mandate for the inter and trans disciplinary research and training.

As the University is well connected and has collaborations with various hospitals, Pharma-Biotech Industries, National and International Academia and Research institutions, the proposed Centre will develop as a state of the art facility for research and training in Precision Medicine.

The Centre can provide diagnostic services for Covid-19 testing as well. The DPSRU Centre of Precision Medicine and Pharmacy (DCPMP) plans to conduct short term training programs for Pharma-biotech industries and academic institutions catering B.Pharm, M.Pharm and M.Sc Biotechnology. The development of skill courses for aspirants in Biotechnology is also in pipeline.

The DPSRU Centre of Precision Medicine and Pharmacy (DCPMP, has a Monitoring Committee of Prof. Ramesh K Goyal, Hon'ble Vice Chancellor, Sh. Azimul Haque, Director DTTE Govt. of NCT of Delhi; and Dr. O. P Shukla, Registrar, DPSRU along with eminent experts Dr. Ashok Rattan, Advisor, Pathkind Labs, Gurugram; Dr. Shailendra Asthana, Sr. Research Scientist, THSTI-DBT, Faridabad; Dr. T. Velpandian, Professor, AIIMS, New Delhi. This Centre has also constituted Scientific Advisory Committee with eminent Scientists in the field of Genomics to name a few Prof. Dhavendra Kumar, Clinical Geneticist, St. Bart's Hospital, UK; Prof. V.M Katoch, Former Director General, Indian Council of Medical Research, New Delhi; Dr. Anil Mishra, Scientist Institute of Nuclear Medicine Allied Sciences (INMAS) DRDO, New Delhi.

This Centre of Precision Medicine and Pharmacy in DPSRU will be the first integrated facility in a Pharmacy University that can bring together multi-disciplinary expertise in a seamless patient-centric manner.

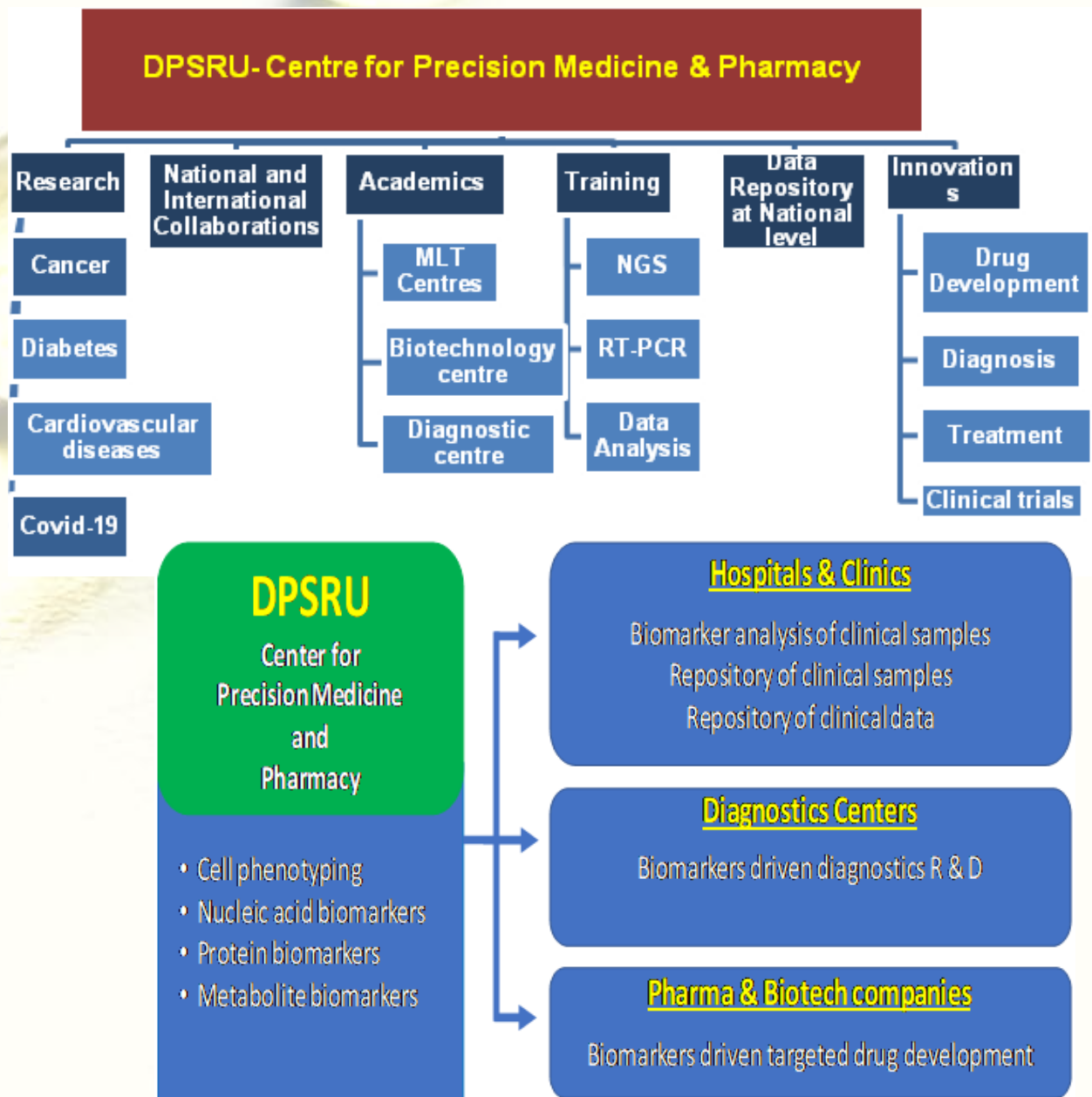
"I find that the harder I work, the more luck I seem to have."

-Thomas jefferson

Objectives of DCPMP:

- State-of-the-art Facility in Biotechnology & Genomics with a focus of research in the precision medicine for the development of affordable diagnostics and treatment of certain communicable and non-communicable diseases in Indian context
- To develop novel methods integrating individual, contextual and genomic data to identify precise groups at risk and being resistant to a specific medication.
- To identify the variations in drug sensitivity for serious non-communicable diseases like cancer, diabetes & cardio-metabolic disorders and infectious diseases through research leveraging genomic and phenotypic data.

Strategy of DCPMP:



Go confidently in the direction of your dreams! Live the life you've imagined."

-Henry David Thoreau

Delhi Pharmaceutical Sciences Research University' shortlisted by SiliconIndia for "10 Best Campuses for Research and Innovation in India- 2020



10 Most Promising Campuses in India for Research & Innovation - 2020

A prime destination for investors around the world for research and innovations, for technology and non-technology branches, India ranks sixth on scientific publications and ten on patents (only resident applications), according to IBEF. The Indian Brand Equity Foundation also states that the country was placed at the 13th position at the Nature Index in 2017, based on the counts of high-quality research outputs in natural sciences and it stood in the third place in the number of science and engineering publications in the world.

The Indian Government is supporting the research and innovation development with hefty investment for sectors like agriculture, healthcare, space research, and nuclear power through scientific research. With the growing developments, India is slowly becoming self-reliant in nuclear technology. The Union Budget of 2020-21 by the Government allocated Rs. 6,302 crore for the Ministry of Science and Technology, Rs. 2,787 crore for the Department of Biotechnology, and Rs. 5,385 crore for the Council for Scientific and Industrial Research.

There are colleges and universities further amplifying the research and innovation progress in their campus, through requisite infrastructure facilities, guidance, and financial aids. After scrutinizing the list of such colleges and universities, siliconindia magazine has prepared a list of "10 Most Promising Campuses in India for Research & Innovation - 2020". The colleges and universities present in the listing are focused on changing the human lives for the better and create a wonderful tomorrow. The following list has undergone deep examination by a panel of judges that include CEOs, analysts, and the siliconindia editorial team.



Company:	Description:
Delhi Pharmaceutical Sciences and Research University (DPSRU)	India's first and world's third pharmacy university with a focus on innovation, research & incubation.
Key Persons:	Website:
Prof. Ramesh K. Goyal, Vice Chancellor	dpsru.edu.in

TOP 10 MOST PROMISING CAMPUSES IN INDIA FOR RESEARCH & INNOVATION - 2020

DPSRU: Championing Pharmacy Research, Innovation & Incubation

Pharmacy as a profession and pharmaceutical sciences, one of the most dynamic fields in the healthcare system has undergone several paradigm shifts in last century. Most recently, advances in genomic technologies and personalized medicine have pushed the need for pharmacy to become an interdisciplinary science, which requires various disciplines to come together to keep pace with the development and needs of the world. Keeping up with the need for university grade education in the pharmacy sector in Delhi Pharmaceutical Sciences and Research University (DPSRU), India's first and the world's third Pharmacy University.

With its origins dating back to 1964, DPSRU was declared a university in 2010. The university currently offers a plethora of UG courses such as B. Pharm., B. Pharm. R.P.T., PG Courses for M. Pharm., Pharm. MBA, M.Phil. & Ph.D. in Pharmaceutics, Pharm. Chemistry, Pharmacology, Pharmacognosy, Clinical Research, Biotechnology, Drug Regulatory Affairs, Quality Assurance, Physiotherapy, Management and other allied subjects. Counting research, innovation and incubation as its prime focus, DPSRU is nurturing the pharmacy education sector.

Research & Innovation Focused
At the helm of affairs is Prof. Ramesh K. Goyal, the first regular Vice Chancellor of the University, who strongly believes that pharmacy education cannot be college run because the profession of pharmacy is multidisciplinary and requires extensive research-in-order to integrate various sectors of health.

A staunch believer in making DPSRU research-centric, under Dr. Goyal's tenure, DPSRU has had a legacy of having Centers of Excellence for Ocular Pharmacology, cardiovascular research and nanotechnology based novel drug formulation development. "We have DPSRU Innovation and Incubation Foundation with 16 start-ups of which five have already scripted success stories," says Dr. Goyal with pride. The university also has a research-based nutraceutical/foundation for critical care patients specially those undergoing dialysis, a first of its kind in India.

Distinguished Faculty & Teaching Methodology
DPSRU follows well-designed curriculum as defined by prestigious governing bodies such as PCI, DCPOI for various graduate programs in various disciplines of Pharmacy and Allied Sciences. The university conducts workshops, seminars, lectures and programs to enhance the practical skills of its students in terms of contemporary topics. Students receive latest updates and hands-on training sessions for advanced technology instruments in areas such as management forum in healthcare, international conferences, entrepreneurship workshops, physiotherapy workshops and sports trainings. DPSRU also focuses on making students interact with regulatory and quality professionals from the industry in order to make them industry ready. "In addition to academic activities, several workshops, seminars and guest lectures, our University continues to have strong tie ups with industry," adds Dr. Goyal.

In addition to its industry focused teaching methodology, DPSRU ensures that its faculty members possess required teaching and adequate research experience. All faculty members of the University are Ph.D. except some in the School of Physiotherapy who are MPT holders. Continuing to excel in research and publications, DPSRU's faculty members publish over 200 papers, file 5-10 patents and get awards consistently every year.

Most recently, during the COVID-19 crisis, the university undertook a plethora of academic, research and public health programs. Working in tandem with a pharmaceutical company, DPSRU has concluded the preliminary work towards developing a product for treating COVID-19 patients. Another major breakthrough for the university has been a grant of 4.72 Cr for establishment of BIONEST Center for state-of-the-art facility for pharmaceutical formulations and more start ups in the field of health sciences.

DPSRU has drawn an extensive Vision 2030 document that provides a road map for actionable plans in terms of education, research, innovation, entrepreneurship in the emerging areas of health care with specific role of pharmaceutical and allied sciences.

School of Physiotherapy recognized amongst 10 best Physiotherapy Institutes of India



Never let the fear of striking out keep you from playing the game.

-Babe Ruth

RESEARCH PROJECTS SUBMITTED

S No	Team Members	Project	Agency
1	Dr. Ajay Sharma, Dr. Madhu Gupta, Dr. Rajiv Kumar Tonk, Dr. Saurabh Dahiya	<i>Agrobacterium rhizogenes</i> mediated scale up of <i>Nothapodytes nimmoniana</i> hairy root cultures for greater yield of anticancer camptothecin"	AIR-Academic Innovation Research-DBT
2	Madhu Gupta, Ajay Sharma, Karma G. Dolma	Nanostructured lipid carrier system incorporated sericin integrated nanohydrogel for effective delivery of <i>Rhus mysorensis</i> phytoconstituents in the psoriasis management	DST-POWER
3	Prof. Rajiv Kumar Tonk, Parul Sharma(PT)	Formulation & Comparative evaluation of new iontophoretic gel in the treatment of knee osteoarthritis	DPSRU Innovation Incubation Foundation
4	Dr Gaurav Kumar Jain, Dr. Anamika Dubey, Dr Jaseela Majeed, Dr Puneeta Ajmera, Dr Luxita Sharma	Salivary trace elements as biomarker of infections in malnourished children and the use of micronutrients supplementation to improve immune responses and infections	DBT (Department of Biotechnology)
5	Dr. Saurabh Dahiya	Modernization of QA Laboratory for Anti-Counterfeiting, Drug Safety and Quality Assurance Training and Research	AICTE MODROBS Scheme
6	Prof Richa H Rai, Prof. Priyanshu V Rathod, Prof. Aleksandar Ignjatovic, Prof. Dragan Radovanovic	Physical inactivity and health related problems during COVID-19 pandemic –COVVorkout	India Serbia Joint
7	Prof Richa H Rai, Dr Gaurav Jain, Dr Sheetal Kalra	A Clinical Study on the Effect of Surya Namaskar on ANS and HPA biomarkers in college going Young Adults	DST
8	Prof. Deepti Pandita, Prof. Geeta Aggarwal Prof. T. Velpandian	Antimicrobial Peptides Functionalized PAMAM Dendrimers Targeting Biofilm in Diabetic Foot Ulcer and Chronic Otitis Media	DST (POWER GRANT)
9	Prof. P.K. Sahoo Dr. Gaurav K. Jain Prof. Deepti Pandita	3D Printing Technology for the Development of Advanced Drug Delivery Systems	AICTE (MODROBS)
10	Dr Gaurav Jain	Development of 3D printed Alendronate Microneedle arrays for improved treatment of Osteoporosis	AICTE RPS

PATENT PUBLISHED

Topical Nanolipidic Gel Formulation for Diabetic Foot Ulcer; Ref. Application No. 201811042714. 2020 (PCT patent), published on 16.12.2020

Team Members: **Ramesh K. Goyal**, Sayed Md Mumtaz, **Madhu Gupta**, A. Nazeerul Ameen, Bazikov Igor Alexandrovich

Research is creating new knowledge

- Neil Armstrong

RESEARCH PROJECT SANCTIONED

Development of functionalized dual loaded herbal nano-colloidal carrier: Active targeting and repositioning of teriflunomide for synergistically enhancing role of Sulphoraphane in combating triple negative breast cancer.

Funding Agency: SERB

Grant: 66.1 Lakh

Faculty: Dr Sushama Talegaonkar

Investigation of the anti-neuropathic efficacy of Homeopathic dilutions of Toxicodendron pubescens using preclinical models.

Funding Agency: CCRH, Ministry of AYUSH, India

Grant: 12.55 Lakh

Faculty: Dr. Ajit Kumar Thakur

Commonwealth Fellowship to Dr Mahaveer Dhobi from Commonwealth Scholarship Commission, UK for Infectious Diseases

Development of Nanocarrier based formulations of herbal extracts for Ophthalmic Drug Delivery, Collaborative Research Project with Walaik University, Thailand.

Team Members: Dr Geeta Aggarwal, Dr Mahaveer Dhobi, Dr Gaurav Jain and Prof Ramesh K Goyal

Oral co-delivery of Amphotericin B with Immunostimulators conjugated Lipid Nanoparticles for simultaneous Immunostimulation and target delivery to Macrophages

Funding Agency: CSIR

Team Members: Vineet Kumar Jain, Harvinder Popli.

"If life were predictable it would cease to be life, and be without flavor."

-Eleanor Roosevelt

DPSRU JOURNAL CLUB 2020-21

“Knowledge is Power, Knowledge Shared is Power Multiplied”

-Robert Noyce

Journal Club, where group of faculty and research scholars meet regularly to critically evaluate recent scientific articles in the academic literature (scientific literature/ medical literature) was initiated in DPSR University by Prof. Dr Geeta Aggarwal, Dean Academics, from November 2020. Under the guidance of honourable Vice-Chancellor, Prof. Ramesh K. Goyal and with an aim to discuss and appraise the medical literature that would help research scholars to develop their critical appraisal skills and also allow academic debate and networking between colleagues of varying seniority, Prof. Deepti Pandita planned and coordinated the online Journal Club Meetings, Thursday afternoon every week. Dr Jaseela Majeed, alongwith Dr Abhishek Dadhich co-ordinated the Journal Club meetings of MBA-PM, MHM and MPH.

It was inaugurated by the honourable Vice-Chancellor, Prof. Ramesh K. Goyal with his insightful and motivational words. He gave an insight into the importance of the Journal Club meeting in the scientific context as well as the need for the same in the current pandemic. The session was very well hosted by Prof. Geeta Aggarwal and smoothly moderated by Prof. Deepti Pandita. All the students of M. Pharm. and School of Allied Health Sciences participated enthusiastically in the session. Since its initiation 120 plus presentations have been successfully completed till date. With the active participation of research scholars and their eagerness and enthusiasm to meet every week this initiative is already a success and encouraging for the whole DPSR University’s research family.



QUALITY IMPROVEMENT PROGRAMMES (QIP)

XXXII - XXXV

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
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

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
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

Scientific advancement should aim to affirm and to improve human life

- Nathan Deal

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 ICT, 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 Biotech	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 repurposing
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

Teachers open the door, but you must enter by yourself"

- Chinese Proverb

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.

You have brains in your head. You have feet in your shoes. You can steer yourself any direction you choose."
-Dr. Seuss

2nd Faculty Induction and Development Program at DPSRU from 21.08.2020 to 27.08.2020

Convener: Dr. Saurabh Dahiya

Co-Convener: Dr. Ajit Thakur

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

"If you set your goals ridiculously high and it's a failure, you will fail above everyone else's success."

-James Cameron

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, Convener and Dr. Ajit Kumar Thakur Co-Convener of the program.



PUBLICATIONS

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- **Goyal RK and Aggarwal G.** Biomarker based drug discovery with Translational Approach. In: Contemporary issues in Biomedical Science: Futuristic Thought. 2020 (In Press)
- **Sharma P, Thakur AK and Goyal RK.** Emergence of Bevacizumab as biosimilar with ophthalmologic prospects for patients and pharma industry. Ophthalmology and Ophthalmic Surgery. 2020; 3(1):122
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- **Masi T, Goyal RK, Patel BM.** Role of liver X receptor in cardiovascular diseases. Biochemistry of Cardiovascular Dysfunction in Obesity, 77-96
- **Mumtaz SM, Gupta M and Goyal RK.** Placental therapy as panacea: An insight to its therapeutic potential. Current Traditional Medicine. 2020 (In Press)
- **Goswami S, Goyal RK, Mumtaz SM, Tonk RK, Gupta R, Pottoo FH.** Role of forkhead transcription factors in the O class (FoxO) in development and progression of Alzheimers's disease CNS Neurol Disord Drug Targets 2020: Sept 30.
- **Patel S.S, Shah R S, Goyal R.K.** Standardization and Phytochemical Evaluation of Spray-dried Powder of Fruit Juice of Emblica officinalis Gaertn. Pharm Meth 2020: 11 (1).
- **Musyumi P, Nagpal M, Goyal RK, Aggarwal G.** Nanotechnology enabled solutions to combat Covid-19: Prevention, Treatment and Diagnosis. Current Pharmaceutical Biotechnology. (In Press) Impact Factor:2.12
- **Musyumi P, Aggarwal G, Nagpal M, Goyal RK.** A Case Study: Analysis of Patents of Coronaviruses and Covid-19 for Technology Assessment and Future Research. Curr Pharm Des. 2020 Jul 20. Online ahead of printing (Impact factor 2.4) (In Press)
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To create something exceptional, your mindset must be relentlessly focused on the smallest detail.”

- Giorgio Armani

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BOOKS/BOOK CHAPTERS

- Book on ‘Regulation of Ancient Herbal Wealth in the Era of 4th Revolution’, published by Continental Prakashan in 2020
Authors: **Ramesh K Goyal, Mahaveer Dhobi**
- Chapter on “Role of Angiogenesis in Wound Healing: Their impact in Acute and Chronic Wound Healing “ in the book: *Endothelial Signaling in Vascular Dysfunction and Disease: From Bench to Bedside*, published by Academic Press, USA in 2020
Authors: **Madhu Gupta, Neha Raina**
- Textbook on “Pharmaceutical Marketing Management” published by Paging Publishers,
Author: **Prof. (Dr.) P.K. Sahoo**
- Chapter on “Amphiphilic Block Co-Polymer: A smart option for Bioactives drug delivery” in the book: *Advances and Avenues in development of novel carriers for Bioactives and biological agents* published by Academic Press, United States in 2020
Authors: **Madhu Gupta, Vikas Sharma, Nagendra Singh Chauhan, Ramesh K. Goyal**
- Chapter on Biomarker based drug discovery with Translational Approach in: *Contemporary issues in Biomedical Science Fruristic Thought 2020* (In Press)
Authors: **Prof. Ramesh K Goyal, Prof. Geeta Aggarwal.**

The real test is not whether you avoid this failure, because you won't. It's whether you let it harden or shame you into inaction, or whether you learn from it; whether you choose to persevere."

- Barack Obama

AWARDS & RECOGNITIONS

Prof Ramesh K Goyal

- Lifetime Achievement Award in Engineering, Science and Medicine, by VDGOGG Professional Association, Chennai
- Included in top 2% scientists from India, ranked by Stanford University, USA
- APP Dynamic Professional Award

Prof Geeta Aggarwal

Best Professor Award by Operant Pharmacy Federation on 25.09.2020

Dr. Prabodh Chander Sharma

Included in top 2 % of the 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.

Dr Madhu Gupta

Research Excellence Award 2020, by Institute of Scholars (INSC) Karnataka, for paper 'Development, Characterization and In-vivo Assessment of Effective Lipidic Nanoparticles for Dermal delivery of

Fluconazole against Cutaneous Candidiasis. Chemistry and Physics of Lipids, 2012: 165;454-461' on 24.12.2020

Dr. Ajit Kumar Thakur

Marquis Who's Who in the World-2020, by Marquis Who's Who, New Jersey, United States on 16.01.2021. His biography has been accepted into Marquis Who's Who, which is comprised of the top 3% of the professionals in the world.

Dr Sheetal Kalra

Physio Excellence Award, by Haryana Chartered Association of Physiotherapy during 3rd International Conference of Physiotherapy (PHYSIO HARCON 2020) on 21 – 26.09.2020 for her excellent and valuable work for Physiotherapy profession.

Dr Parul Sharma (PT)

Ist position in paper presentation in a live virtual international conference on "Recent advancement in physical therapy on 9 – 11.10.2020 by Manav Rachna International University

Faculty Invited as Resource Person:

Faculty	Date	Topic/Title	Organized by
Prof. Ramesh K Goyal	05.09.20	Pharmacotherapeutics of COVID 19	Delhi Pharmacological Society, New Delhi
	13.09.20	Discipline-A tool to channelize inner strength	SpARC Wing, Brahamkumaries, Mount Abu
	29.09.20	Story of Development of AYUSH Formulation from DPSRU in 34 th AICTE sponsored QIP	DIPSAR, New Delhi
	11.11.20	Life with COVID-19: Ayurveda to Fight COVID with Modern Approach	Vaidyas & Vadyas Association
	11.11.20	Recent Advancements in Science and Technology in the Light of Opportunities & Challenges of Covid 19	Glocal University, Baddi, HP
	07.12.20	Exploration of nascent Pedagogical Tools for Uplifting Teachers of Pharmacy in the Light COVID-19 Era	Lloyd Group of Institutes, Greater Noida, UP
	30.12.20	Challenges after 2020 of COVID -19 in Pharmaceutical Sciences As we Enter into 2021 during SVCPCON 2020	SVCP, Banur, Panjab

A man can succeed at almost anything for which he has unlimited enthusiasm."

—Charles Schwab

“Resource persons

Faculty	Date	Topic / Title	Event	Organized by
Prof. Geeta Aggarwal	25.09.20	Emerging trends in Drug Delivery	Career oriented National seminar on World Pharmacist day	RBU, Mohali
	20.11.20	Innovation to commercialization: Opportunities for Formulation Scientist	Contemporary Trends in Pharmaceutical Sciences: Endeavouring to create frontline health professionals	Rayat Bahra University
	27.11.20	Chairperson	Virtual Conference on Confluence of Biomedical and Allied Sciences for development of Pharmaceuticals	Shoolini University, Solan, HP.
Dr. C. R. Patil	12.07.20	From A Sage on the Stage to a Guide on the Screen: Basics of Online Blended Learning	Faculty Development Program	AICTE
		Conducting Online Practical Classes using Hybrid Learning: Simulations and LMSs	Faculty Development Program	AICTE
Prof (Dr.) Richa H Rai	10.09.20	Physiotherapeutic Cardiac Care in the era of COVID-19	World Physiotherapy Day 2020	IAP Women Cell Haryana State branch
	7.12. 20	Evolution of Circadian Rhythm, Oxidative Stress and Mechanisms of Circadian Dysfunction	International Congress on Chronobiology in Medicine and Sports.	Moscow, Russia, RUDN University
Dr Abhishek Dadhich	22.11.20	The Role of industry on medical education & research and how can it help in promoting transparency and community accountability through collective action across Healthcare value chain	First Ideation Meeting on Promoting Transparency and Accountability Through Collective Action Across Healthcare Value Chain in India	Global Compact Network India (GCNI)
Dr. Saurabh Dahiya	28-29.12. 20	Chair, Scientific Session	APP 11th Indo US Virtual Conference	APP and Pharmacy College, Godhara, Gujarat
	18-20.12.20	Co-Chaired Scientific Committee and Judged Poster Session	APP 9th Annual Virtual International Convention on 'Recent Advances in Pharmaceutical Sciences, Potential Role of Herbs and Health Challenges	APP and Sunrise University, Rajasthan
Dr. Madhu Gupta	24.12.20	'Pharmacist is Connecting link between health and wellness'	Guest Lecture	SRITS, Bhopal
Dr Manish Kumar (PT)	18.08.20	Current Methodology of Locomotor Disability Evaluation	Webinar on Rehabilitation Science	Rehabilitation Science Group, Pro-SEED Foundation of India
Prof. Harvinder Popli	11.11.20	Chaired the session	Webinar on Digital Health: The Future, Series III, Mobile digital health devices:	Health committee, PHD Chamber

The key to success is to start before you are ready

- Marie Forleo

“Resource persons

	20.10.20; 18/12	Chaired the session	E-conclave on Government intervention in encouraging innovation, entrepreneurship and venture development (IEV)	Start - up committee, PHD Chamber
	4.10.20	Chaired the session	ANHATA	Yoga and wellness centre DPSRU.
	17.09.20	Incubation and Mentorship support Models	My India My Start-up: 100 unicorns by 2025	Start - up Forum, PHD Chamber
	22.12.20	Chaired the session	Atamnirbhar in medical technology: Webinar on Development of National Technology Roadmap	PHD Chamber
Dr Sushama Tale gaonkar	23.08.20	Ethics in Research	e-Faculty Development program on Advances in Pharmaceutical Research	GLA University, Mathura
	26.08.20	Ethics, Integrity and Fairness in Research	e- Faculty Induction and Development Program	DPSRU
	25-09.2020	Oral delivery of anticancer drugs : Opportunities and challenges	On line Faculty Development Program on Emerging tools and trends in Pharmaceutical Research	AICTE, Amity University Lucknow
	27-11.2020	3D printing: An Emerging technology for customized drug delivery systems”	AICTE sponsored National e-Conference on "Personalized drug delivery through 3d printing: Newer challenges for pharma industries	Noida Institute of Engineering and Technology
Sapna Dhiman	19.09.20	Postural Control In Children with Cerebral Palsy	You Tube Live Session	Rehabilitation Science Group
	27.10.20	Assessment and Management of Cerebral Palsy	Guest Lecture	Amity Institute of Physiotherapy
Dr Sheetal Kalra	25.07.20	Skill Fitness Testing in Sports	Webinar	Indian association of Physiotherapy
	09.08.20	Physical Fitness during Covid-19	Webinar on Occasion of World Physiotherapy Day Celebration	Physiotherapy Deptt, AIIMS
	25.09.20	Physical activity for physical and mental health during Covid-19	National Haryana Physiotherapy Conference	Haryana Chartered Association of Physiotherapy
Dr. Prabodh Chander Sharma	21.08.20	Microbial Resistance: No action today, no cure tomorrow	National Conference on emerging trends in Pharmaceutical, Microbiology and Medical Sciences vis a vis their intervention for sustainability for human health	Career Point University, Himachal Pradesh
	09.11.20	Antimicrobial Resistance: No action today, no cure tomorrow	Webinar and Guest Lecture Series	AICCRS at Amity University Noida.
Dr Mahaveer Dhobi	29 - 31.12.20	Session Jury	International conference on current scenario in advancements of pharmaceutical Education and Research: Challenges and Prospects. SVCPCON-2020	Swami Vivekanand college of pharmacy, Punjab India

“If you want to understand today, you have to search yesterday.”

- Pearl Buck

JAMMI AT YAMUNA BIODIVERSITY FOR EXPLORATION WITH DPSRU

As part of the ongoing endeavours to give impetus to company-academia partnerships, Hon'ble Vice Chancellor, DPSRU-Prof. (Dr.) R.K.Goyal, convened and chaired the visit of Dr. Narsimham V Jammi, Director and Dr. Anitha, Director-Operations from Jammi Pharmaceuticals, Chennai, on 15-16th December, 2019 at DPSRU.

Jammi Pharmaceuticals is pioneer of Ayurvedic treatments for all diseases, especially for orphaned cases where other systems have failed. It is actively involved in increasing the popularity of Ayurveda by dispelling the fallacy surrounding it and enabling Ayurveda to be considered as mainstream Medicine. A Memorandum of Understanding (MoU) was signed between DPSRU and Jammi Pharmaceuticals with the following objectives: 1) to generate scientific evidence for Ayurvedic claims through systematic collaborative research, and 2) to translate innovative research into novel products that can be useful for the society.

Under the stewardship of Prof. (Dr.) R.K.Goyal, an interactive session was held between the faculty of DPSRU and Dr. Narsimham V Jammi, and Dr. Anitha Balachandran and numerous research ideas were exchanged over wide range of areas including liver health, cosmeceutics, COVID-19, obesity, psoriasis, drug delivery etc. Prof. (Dr.) R.K.Goyal, Hon'ble Vice-Chancellor, DPSRU took out time from his busy schedule and accompanied Dr. Narsimham V Jammi, and Dr. Anitha Balachandran to Yamuna Biodiversity Park, to explore collaborative ventures.

On this occasion, a sapling of the Shami tree was also undertaken to mark the auspicious beginning of interaction.



"Innovation is the process of turning ideas into manufacturable and marketable form."

- Watts Humphrey

“Convocation is celebrating education

DPSRU Successfully Convened 3rd ANNUAL CONVOCATION On 22.12.2020

Coronavirus pandemic, which has grappled the world for more than 10 months now, could not hack and take away the legacy and spirits of DPSRU.

Reckoning with the crisis DPSRU 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, 30 BPT 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 DPSRU 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, DPSRU has been included in ten best physiotherapy institutes in India and DPSRU 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. Expecting all the major industries to be completely automated by 2030, he opined that the world now require leaders to lead this automation. 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 at least 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

In order to be irreplaceable one must always be different.”—Coco Chanel

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 Honourable 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.

Convocation Address by Prof. B Suresh

Respected Shri Anil Baijal Ji Hon'ble Chancellor of Delhi Pharmaceutical Sciences and Research University Delhi, Sh Manish Sisodia Ji, hon'ble DCM Govt of NCT Delhi, my well-wisher and a very passionate and good friend Prof Ramesh K Goyal, the ho'ble Vice Chancellor of DPSRU, Prof Shridhar Dwivedi Ji, the Chairman of Board of Governors, Members of the Governing Council , Officers of the University, Deans, Professors and the faculty of the university, proud parents and young graduates, members of the electronic visual and print media, distinguished guests, invitees, ladies and gentleman I have been only a humble servant of the profession and also soldier of education activities in the country. I feel pride in doing what I have done and would like to continue to do so with the blessings and support from all my colleagues. At the outset I would like to extend greetings and best wishes to all of you and I thank the Vice-Chancellor for inviting me to deliver the convocation address at this 3rd convocation of the DPSRU. I was hopeful that I would be present in person and participate in this very important occasion but I think the pandemic has kept us all away and hence this has to be a virtual meet where we are looking at the young graduates receiving their degrees and awards today. So let me start off by congratulating the parents of the graduating students and convey by appreciation for their noble involvement, support and contribution for shaping the success of their children because they would have undergone lots of sacrifices to see that their children have reached this day where they are graduating as students and moving in to this world. Next I would like to also congratulate my dear young gallant graduates. You all are today qualifying with various qualifications which you have pursued and you will be having a scroll or a degree with you at the end of this

convocation which makes you a registered graduate of the profession you have chosen to pursue in your path. But universities are not meant only to award degrees, they are expected to equip you with all the life skills that you will need to succeed in your future. In this journey the staff would have inspired you, enthused you, motivated you and rewarded you. And the same way your parents would have supported, cojured and persuaded you to see that you succeed in your life, not only in getting the set of qualifications which you are getting but also to come out a very confident individual who is going to realize his own dreams and ambitions, and also help the nation develop. So congratulations to all the students who are successfully graduating today. I would also like to congratulate the outstanding young students who are going to get the awards and medals just after this speech. Congratulations to you. Your excellence and your efforts to achieve success at highest level is something admirable, and I am sure this is going to keep you pushing to the excellence wherever you go in your life. Perhaps these 6 months, which we have gone through have been not only challenging time for us, but perhaps in this whole century, it will be recorded as the six months that no one who will forget and all the history would document the challenge which the world went through and the type of political and administrative upheavals that happened, there were collapse of businesses, there were regulatory modifications, unemployment, possible economic recession which we are facing and disruption to education, uncertainty of progression, and unimaginable interruptions. All these are just because of one single situation which the world had never seen before – a health pandemic of corona virus. Now this pandemic would have been a much bigger disaster to all of us but for the

leadership which the world gave at this time. This was first time perhaps when the whole world came together to say that we will fight this war together and save the lives of our people. There were no countries, there were no borders, there were no languages that came in the way, but everyone put their efforts to see that how each other's knowledge, research, science, support, regulatory systems can help the world to survive this pandemic. They all worked hard to mitigate this crisis and also now perhaps working to avoid the re-emerging of the disease which we all are being threatened with new corona virus being identified at London and the worry is whether it is going to spread to other countries also. Already nations are taking steps that this type of challenge does not come again and during this journey we could see was that those who felt that certain things will not be acceptable, certain things will not be possible, and this type of change will never happen in the world, these were opinions many had but all became possible, acceptable, doable, just because of one pandemic which we faced, which has kept us remembering what we have to do. The pre-millennial generation that means those who were born earlier to 2000 had very strong views on technology influencing the world, and they have always resisted that technology playing a part in their lives but millennial generation which was attached to all the technology, be it the mobile phones or the various apps, they made them feel wrong by showing that technology has come in and they all have to adapt and move forward, and this is the big change that has come. Higher education was not an exception to this. When the pandemic stuck, and nobody knew what is going to happen, well they all felt that classes will be suspended for a few days and it will be a passing cloud and we all will be back to the colleges. Then the lock down came, then an extended lockdown came and the worry was how the education is going to continue and how the children are going to graduate on time. So this was the biggest concern before the higher education system. Our higher education system is so huge in our country compared to others, we have 1.3 billion population, we have got 1000 universities offering various programmes, there are 50,000 higher education institutions /colleges, and the different types of education institutions that are existing, we have got more than 30 million students studying in higher education only across the country. For all of them the need was to cater and provide education. So what did the education system do? It did not just wait, it responded very fast, adapted swiftly and innovated with courage and moved on. The online classes, the webinars, the meetings, all have been well accepted. In fact, in some places it was amazing to see that the students who were more attentive and attending fully in the online classes rather than they would have attended in the physical classes that happened. Even the regulatory bodies, be it the UGC, the PCI and the Ministry of HRD, they all moved swiftly and brought out the

regulations that are favoring the student's careers and progression. And I can say proudly that PCI was one of the regulatory bodies which even as early as March gave very clear guidance that how the academic progression will take place and the examinations will be conducted. After that we never had to amend a single word because that regulation or advisory that was brought in and kept the vision that where the education is going to progress and see that the students benefit from this at one large level. These are the challenges which the education has faced so far. But what is going to happen in the future. Are we going to go back to normal? Will the students come back to classes? Will the teachers feel comfortable coming back to university for teaching or they got used to comfort of teaching from home and students got comfort from learning from home. Are they going to look at educational institutions reopening and come back to the classes with same enthusiasm or they prefer online education they were doing. I think this is something we all have to wait and watch. But there will definitely be an impacted change that we are looking at. Similarly what will happen to the research in the universities because if the students and research scholars are not going to be present at universities, if teachers are not going to be at universities to the level which they were existing before, how the research is going to be impacted with this. And it will all be big challenge for us including the evaluation system which we are used to so far only to the physical methods of evaluation and examinations. We have to look at integrity and the online examinations and really assess the student's competencies and move forward and merely the marks may not determine the knowledge which the students have acquired in the process. I think these are some of the challenges that are going to be in front of us we have to realize which is going to win. Whether the technology is going to win over the good human resource or the good human resource is going to use technology to its advantage. I think this is something we will be working and moving forward in the coming years. Now what is the way forward ? What is going to happen if this challenge is going to continue. I think we have to realize that blended education will be something which is going to stay. That means students would come to the classes but the preferred mode of teaching may continue to be online where students can learn at their own pace and convenience besides being in the physical classes. So this type of blended education will happen. Revered faculty would be something which will be a reality. We may have faculty teaching from different parts of the world but not all the full subjects but some part of the subject or some topics would now become a reality of being teaching from different parts of the world to the students. Digital resources will be a part of our education. So more than prescribing text books we would be looking at what learning management systems are going to be

there. What e-books will be available, what e-journals will be available as resources to the students to help them to move forward and perhaps what we are waiting, is for the catalyst, the vaccine to come forward and help us go back to the normal level. Is it going to happen. Let us have a look at what is happening in the vaccine world which are have been eagerly waiting to look forward. We all are aware that the vaccine across the world is undergoing at different phases of trials. What I understand latest is that there are 170 vaccines that are being explored in various laboratories in experiments and in animals models which is there. 20 vaccines are undergoing safety tests in healthy young individuals. 12 vaccines are being tested in broader groups of individuals that means phase II trials and 10 vaccines have gone into international trials i.e. Phase III trials and people are waiting for the vaccine to come out and as we all know two vaccines have been approved and license for general use in certain countries. In India we are of course waiting for the clearance of the regulatory system for making the vaccine available to the people of our country. Now this is the status with which the vaccine is progressing. One thing amazing in this vaccine development which we should try to understand is that this challenge of pandemic has brought in collaboration which we never heard of before and these collaborations between the industry and the academia, the collaboration between the government and the industry, the collaboration between the philanthropic organization and the industry and the countries, all these things have become such a dynamic possibility now that it has showed a new way of working and perhaps the vaccine when it comes, I think is going to give us the type of confidence that we can move on with our lives. And at the same time it is going to show us how we can work together to achieve greater success. You all are aware that developing a drug or a vaccine for that matter is about five to six years of effort and billions of dollars of the investment to go with. Today we are trying to have a vaccine within nine months and how is it possible. Because it was because of the collaboration and the determination with which all the scientists, all the industries, all the governments, all the collaborators came together to see that this should be achieved, And here is where the leadership did matter and leadership is something which is very-very important. As young graduates when you are going to go out, you have to look at this changing environment and try to give your own leadership in a way where you can. You may be start this just as the first step of your life but in your journey as you move forward your leadership, whether it is taking care of your patients, whether it is taking care of your colleagues in the industry, whether it is manufacturing life-saving medicines or dispensing medicines over the counters in the hospitals or in community pharmacy, You have to be a leader in your own drive. I recall here the quote made by John Quincy Adams. He says if your actions inspire others to dream more, to learn more do more and become more, you

are a leader. So it is your actions; Are going to inspire others, Are you going to dream more and make others also dream. Are you going to learn more and make that knowledge available to the people. Are you going to do more and make see that the outcomes of your research and academic activities are beneficial to the people. And if you all do that then you are indeed a true leader. And I think this type of inspirational leadership is what the world is looking for in this challenging time. So try to be evolved about the leadership which I just mentioned to you a few minutes before. Now our respected vice chancellor also did also mention about how important role DPSRU has made in research he emphasized that some of the natural medicines which he has been exploring has been very helpful and trials are going on which may benefit the people. I think this is where the future lies and this is how the universities have to function. Universities should become more responsible towards research that is going to benefit the society rather than pure academic research which just lies as thesis in the libraries. I think this is some effort which all of us are to understand and move forward. Today graduates are coming up passing out from different disciplines. Some are graduating in sports medicine, some are graduating from physiotherapy, but large number are from pharma. So please excuse me for my tone on pharma industry or pharma sector alone a little bit it's not that others are not going to have similar path. But I think the path remains same whichever sector we are talking about. Today if you look at pharma industry, it is all set to move to the next level. They are going to the stage where I had an interaction with the industry recently. Industry leadership, they mentioned by 2030 industries are going to go to the mode what they call as lights down more that means you would not require any lighting in the industry because all processes would be automated and human intervention is going to be minimal. If this is going to the future then how are we preparing our graduate students. Are they a part of this automation, are they having the knowledge and the skills to move on with the roles which they are talking about and this is where the pharma sector is moving. It is important for us that we equip our students to achieve this type of knowledge and skills where they can respond. So not only the subject matter, but give them the skills which they can go to the industry, and continue to learn and also be able to adapt with the change and bring in innovation in the industry. I think when we are talking about the change that the industry is doing, I think it is important that pharmacy education also undergo similar change. Otherwise there will be big gap between the industry and the education system and this may be affecting the students who are passing out. So the PCI is already aware of this challenge and has been working closely with the industry and looking at the curriculum which

presently is there at the B.Pharm and M.Pharm courses and perhaps in six months' time when we look at the next academic year 2021-22, you will have a brand new curriculum which will be industry driven in the sense we look at that at least one semester which the students do at the undergraduate or postgraduate they spend that time in the industry where they can get some hands on experience. So these are some of the thoughts which we have to look at the growth of the pharma sector and the emerging technologies that are there, be it personalized medicine, be it genomics, be it nanotechnology and to be a part of the industry's way of functioning and this is not going to a science fiction anymore. This is going to be science facts and we all have to be prepared and train our students to achieve this. Now if you look at the industry, pharma sector itself, earlier we used to see the industry competing with each other, there used to be cut throat competition. If one industry is developing a molecule and it will patent it see that the patented molecule is not available to the other industries at least 30-40 years. So this is how they were functioning. But that model has changes, I just mentioned few minutes before that today they are collaborating, They are looking at businesses. How two or three big industries together can work and achieve a better outcome. So this is the approach that is happening at the global level. So this type of new roles is looking at big pharma continuing to play an important role. While this innovation bring out some new ideas, Scale up. I think you will have to go to the big pharma and the world leaders are realizing this and that is why we find world leaders talking directly to the big pharma and making sure that the vaccines are available to the people at the lowest cost and affordable rates and make available at all place across the country and the world. So this is how the pharma sectors has reimagined and redefined its growth. Now will this type of collaboration happen in education. I think it is something for us to sit and understand. Can two universities collaborate together to teach the larger number of students rather than preparing a curriculum and trying to see that it is going to teach only to its students. Can a hyper-collaboration take place in academic systems. Can a hyper-collaboration take place in the research activities in the universities. So these types of thoughts is something is what is required and then only the Indian education and particularly the pharmacy education which we are talking about can reach the next level of growth. And I would like to say here that the other graduates like physiotherapy, the sports medicine and other allied science degrees, all these things are going to have similar challenges which we have seen. I would like to go on and speaking about it but I know that there is a time constraint. So I would like to conclude by saying that once again, my dear young graduates, Congratulations to

all of you. I wish you the best of best in your careers. People say that you can learn by trial and error let me remind you trial is costly and error is deadly. No organization worth its matter will accept this approach. We know that we don't have to know that when the red light is on the street, it dangerous to walk across the street. So you don't need experience for that. It is understood when there is a red light on. I think same way it is something for us we are to wait and learn by experience and go on waiting then I think the time would have lapsed and you would be living somebody's else life trying to modify. It is the time for you to move on with life looking at these challenges with great enthusiasm, energy. You are young. You have got nothing to lose. So be confident, this is what I would like to mention here. I would like to quote again Steve Jobs who told at a convocation address That your time is limited. So Don't waste it living someone's else life. Don't let the noise of others opinions drown out your own inner voice and most important have the courage to follow your heart and intuition. So I would like to tell you my young students that you have to think what is the way you would like to take your life forward and how you are going to achieve that success which is there. You should dream now for a success and what is that dream. Write it down and keep pursuing it. There will be challenges, there will be hurdles in your way, but it is only the resilient who would come out successful in their lives and move forward. Try to have that courage. Similarly Dr Kalm also said in his message to youth. He said I quote my message especially to young people to have courage to think differently, courage to invent, to travel the unexpected path, courage to discover the impossible and to conquer the problems and succeed. These are great qualities that they must have and we all should work towards that. I think this is again we don't have a greater message than what Dr Kalam said. So I would like you to say that while you are celebrating your graduation, it is also important to acknowledge that you are making a beginning a next chapter in your life which you are going to embark on. With these degrees you are going to have a greater responsibility. People will seek your opinion. They will refer to your knowledge for answers. Look at your actions for guidance and most of all trust your expertise with their lives because you are in health profession. So you should imagine people are trusting you with their lives because they feel that you are expert and you are going to save them. But remember to live your own life with courage, dignity and humility. So I wish you all the very best in your careers and future endeavours. I thank you once again to respected vice chancellor Professor Goyal for inviting me. I wish you all a very safe and very happy new year and let the new year bring all happiness to all of us. Thank you very much.

“Other Academic Programmes

Orientation Programme for Newly admitted Students of Batch (2020-21)

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, Orientation Programmes were initiated under the guidance of Prof. Ramesh K Goyal, by Prof. Geeta Aggarwal. The university organized an Orientation Programme of Bachelor of Pharmacy - 2020 batch (nearly 160 students) on 8.12.2020 at a virtual platform.

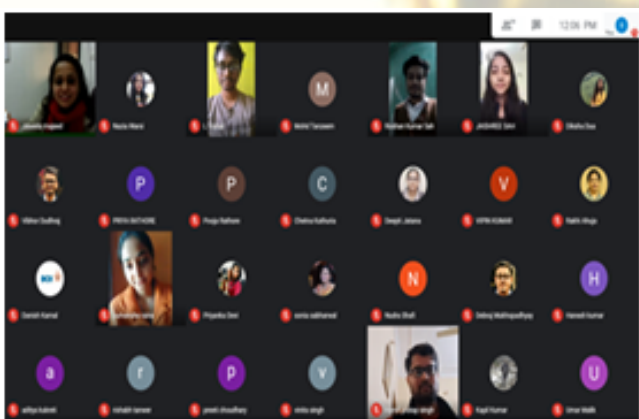
The programme commenced with the lightening of the lamp and seeking blessings from goddess Saraswati. After being suffused with inspiration through our university song, the students were provided with a glimpse of the university campus followed by the words of wisdom by Prof. Prabhat Kumar Sahoo who welcomed all the students to the University for their Future Endeavours. 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 and

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 co-ordinated by Prof. Deepti Pandita.





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. 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 was co-ordinated by Dr Sushma Talegaonkar

Orientation for Internship of BPT Final Batch: 28.10.2020

Before the declaration of result of BPT 8th semester Batch 2016 and annual Batch 2015, School of Physiotherapy organized an online orientation session 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 sir Prof Ramesh K Goyal, convened by Prof Dr Richa H Rai and was attended by expert members of SOP - Dr Shilpa Jain, HOD and Dr Sheetal Kalra and all faculty members of SOP.

WORLD PHARMACIST DAY 25-09-2020

World Pharmacists Day was celebrated on 25.09.2020, at DPSRU. Pharmacist Day 2020 was celebrated with tremendous joy by all faculty as well as the students of the university.



Placard wish Collage by Students

Award winning posters:

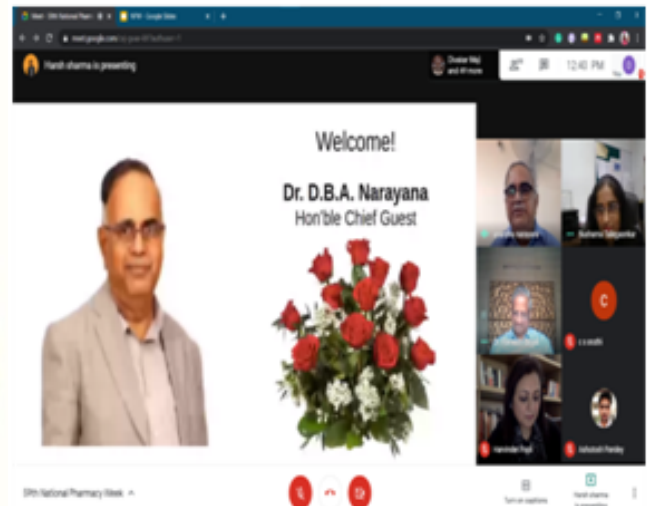
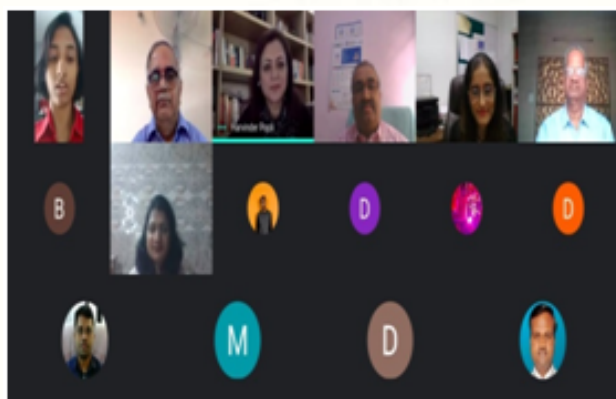


“I believe in innovation and that the way you get innovation is to fund research and learn the basic facts.” - Bill Gates



59TH PHARMACY WEEK

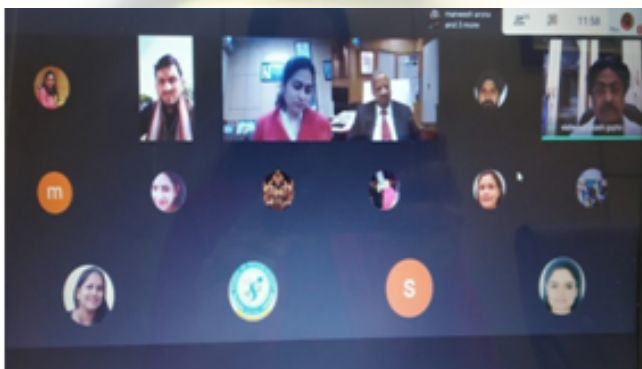
It was one-of-a-kind experiences to celebrate this day in online mode due to the pandemic situation. Dr. Sushama Talegaonkar, Associate Professor, DPSRU organized different on-line activities including poster and slogan making competition with the theme “Transforming Global Health”, wherein students participated with great zeal.



World Physiotherapy Day: 07.08.2020

On the occasion of World Physiotherapy Day, School of Physiotherapy, Delhi Pharmaceutical and Research University celebrated the day with a webinar on the topic “Recent Advancements in Manual Therapy”. The keynote speaker for the webinar Prof. Maneesh Arora is Head Department of Physiotherapy, Sardar Bhagwan Singh University Dehradun. Dr Maneesh Arora spoke at length about the topic Manual therapy and the advancements in it. He shared his experience of successfully treating patients with Manual therapy during a long span of more than 20 years. Dr Maneesh Arora emphasized on the fact that besides having a good understanding of Physiotherapy Basics, Manual therapy and functional exercises it is also very important for all the Physiotherapists to expand their horizon of assessment and evaluation which is a key in successful treatment of patients

“Everything starts with the customer.” - June Martin



School of Physiotherapy organized National Workshop on 27.11.2020.

The Workshop was conducted on 'Development of Syllabus to Improve Practice Standards of Physiotherapy, wherein more than 20 guests participated online and many joined on YouTube. There is existence of various councils and Associations of Physiotherapy in India. During the workshop the participants discussed the syllabus which is being taught and should be upgraded in the interest of students and community services keeping in mind the emerging era of digitalisation.

Webinar on "Way Forward for The Health Managers"- An Opportunity Update, organized by School of Allied Health Sciences

The School of Allied Health Sciences constituting 3 Departments, Pharmaceutical Management, Hospital Management and Public Health organized a webinar titled, "Way Forward for the Health Managers - An Opportunity Update" on 12.10.2020. The webinar showcased 3 distinguished speakers from 3 streams.

The webinar 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, IIHMR, 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 experiences.

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

The Programme was moderated by Dr Jaseela Majeed, and co-ordinated by Dr Sheetal Yadav and Ms. Rakhi Ahuja

Poster Competition on "MENTAL HEALTH FOR ALL: Greater Investment Greater Access", organized by School of Allied Health Sciences on 10.10.2020

School of Allied Health Sciences celebrated World Mental Health Day on 10th October 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 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.

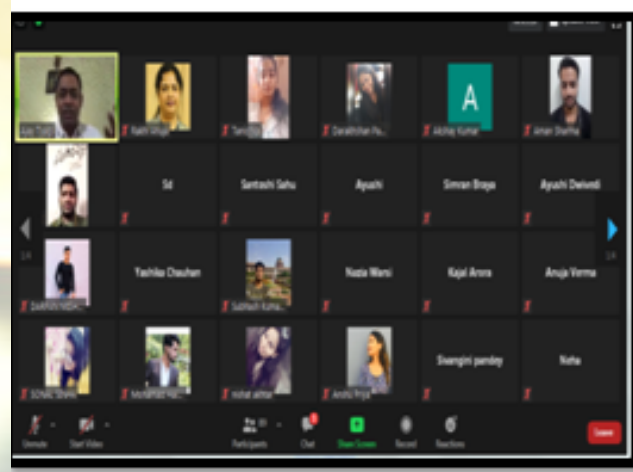
Ms. Pallavi Mahto bagged first prize while second and third prize were bagged by Sanjay Bisht and Anushka Kulkarni respectively. E certificates were provided to the winners and all other participants. A day filled with awareness-building exercise thus, reinforced the message that mental illness is nothing to be ashamed of. Neither is talking about it. It's "Time to Talk, it's Time to Change". The Programme was co-ordinated by Dr Jaseela Majeed and Dr Puneeta Ajmera.

Prize Winning Posters:



Placement cell conducted an online workshop entitled "Smart Answers to Tricky Questions" on 19.09.2020.

The eminent speaker for the workshop was Mr Ajay Tyagi. The trainer interacted with students by giving them a chance to answer some situation based questions as well as rectifying their answers simultaneously to create a perfect reply. He also told some tricks and tips to be followed while giving an interview such as the body language, smile on your face, never lose your patience and calm and many more tips to crack an interview. The students found the workshop really helpful, informed and focussed on the current pandemic scenario. The workshop built confidence and the students felt motivated after the workshop.



An investment in knowledge pays the best interest.

– Benjamin Franklin

Online Holistic Wellness Program – “Power to Youth” on 15.09.2020

DPSRU in association with 'Dhi Vidya Guru', a Delhi based soft skills training organization under the advisory arm of Dentsu Aegis Network with their brand InDeed conducted this program for all students. The objective of the program was to spread awareness on healthy living habits, maintaining a balanced life, managing peer pressure and stress and goal setting among youth in the colleges. The programme was conducted under the esteemed guidance of H'ble Vice Chancellor, Prof Ramesh K Goyal and was attended by more than 200 students and many faculty members.

Audition for Health Perfect Mela

DPSRU organised auditions for students on 20th Oct 2020 to select them for the participation in Heart Care Foundation of India 27th 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. Around 38 students participated in the auditions.

The Programme was co-ordinated by Prof Rajiv Kumar Tonk, Prof Richa Hirendra Rai, Dr. Sakshi Bajaj and student coordinator Ms Ankita Gaur.

Community Service Activity

Mega Health camp was organized at Ashram near Delhi Heart and Lung Hospital by Central Delhi Rotary and Rotaract DPSRU in Dec 2020.

Student Activity under Rotaract Club

Webinar on Rejuvenating heart mindfully on 3.10.2020 by Rotaract Club

On the event of World Heart Day, Dr Monica Jain was invited to conduct an online webinar on Rejuvenating Heart Mindfully on the 3rd of Oct 2020 with the Rotaract Club of DPSRU. Dr Monica 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 - which talks about practical approach to holistic rehabilitation after Cardiac Surgery." Nearly 150-200 students participated online.

The Programme was co-ordinated by Prof Richa Rai with Student Co-ordinators: Ms Kashika (SOP) and Ankit Monga (SOPS)

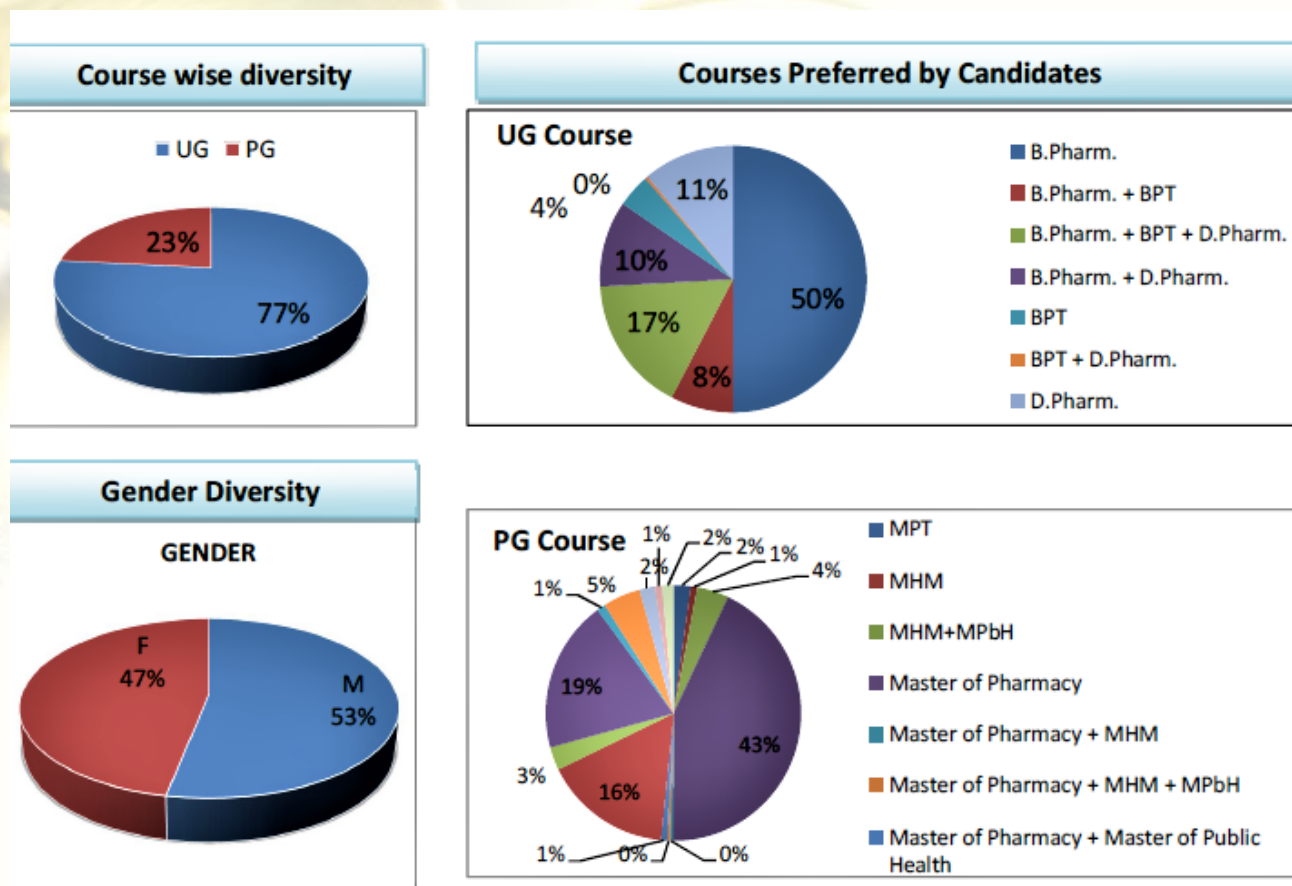
ADMISSION REPORT (2020-21)

D. Pharm., BPharm, BPT, M. Pharm. & MBA-PM/MHM/MPH

This year (2020) in DPSR University UG & PG admissions were done through online counselling to maintain the social distancing and to avoid infection due to Pandemic Covid-19. As per the direction of the Hon’ble Vice-chancellor and Registrar, the state and central government guidelines were followed during the admission process to keep the hygiene and safety of staff and students on top priority.

We have completed the admission process-2020 by the collective efforts of all the supporting staff, admission officers, and

university authorities with the continuous working of four-month. All the seats were filled for B. Pharm and M. Pharm courses during the first online counselling. For D. Pharm. and BPT all the seats were filled up to fourth counselling. The status of admissions for all the programmes are as follows. The total number of candidates applied for UG & PG courses were 2596 and 791 respectively.



“Education without values, as useful as it is, seems rather to make man a more clever devil.”

— C.S. Lewis

बढ़ चले २०२० से २०२१ में

इक्कीसवीं सदी में २०-२० साथ साथ क्या आये,
सुख और आशा के साथ, दुःख और निराशा भी साथ लाये !
२०२० की ऊषा, सुख, शांति और संपत्ति लायेगी,
ऐसी आशाओं से नये वर्ष की किरणें आयी ,
देखते देखते कुछ दिनों में काले बादल ले आयी! इक्कीसवीं

घिरते घेरते, कोरोना संक्रमण की संध्या, २०२० में लिपट गयी,
महिने - दो महिने में छाई ऐसे कोरोना की बीमारी,
चौतरफा विश्व में कोविड ले आयी रात काली ! इक्कीसवीं

रात का सन्नाटा धीरे धीरे सारी दुनियाँ में छा गया,
कर्फ्यू और लॉकडाउन के आदेश ने घर पर बिठा दिया,
ध्वनि और ज्योत जलाकर शांति उजाले की आशा जगाई ! इक्कीसवीं

जल, थल और नभ में ग्रहण चले, यात्री वाहन रुके,
यात्रा रुकी, यात्री ठहरे, यात्रा करना भी सपना हुआ,
अपनों को देखने के लिये, आँखें भी तरसने लगे ! इक्कीसवीं

रोगी सेंकडो से हज़ार, लाख और करोड़ों में होने लगे,
अस्पतालों में बिस्तर कम पड़े तो शमशान में कब्रों की कमी लगी,
मास्क, सैनिटाइज़र, काढ़ा, इम्यून बूस्टर ज़िंदगी का हिस्सा बन गयी ! इक्कीसवीं

कोरोना माहौल ने चैट तो ठीक, खाना-पीना भी ऑन लाइन कर दिया,
विद्या की देवी, ज्ञान के गुरु, ब्रह्मा के विद्वानों को भी ऑन लाइन कर दिया,
शंकर की तीसरी आँख जैसे कोविड ने संसार का संचालन भी ऑन लाइन कर दिया ! इक्कीसवीं

भले ही २०२० दूषण, विपत्ति, महामारी, गम और दुःख लाया,
पर इसका अनूठापन तो देखो, क्या - क्या नई सौगात लाया,
वैसे तो दुनियाँ में नई दवा या टीके आने में दशकों का समय लगता था,
समय ऐसा बदला कि महीनों में नई दवा और टीके ले आया,
"खॉफ-ए-कोरोना" पूरे विश्व को एक लाइन में ले आया,
800 वर्ष में करिश्मा हुआ और ब्राह्मण गुरु और शनि को एक लाइन में ले आया !

भले ही इक्कीसवीं सदी में २०-२० साथ साथ क्या आये,
सुख और आशा के साथ, दुःख और निराशा भी साथ लाये !

क्यों ना हम इस कुदरत के करिश्में को समझने की कोशिश करे,
आओ एक लाइन में अगर २०-२० की काली रातों को भूलें,
एक कदम आगे बढ़ कर २०२० से २०२१ की ओर चलें !

रोग हरा कर हर काया को निरोगी बनाए,
बिछड़ो को विसरा कर नया कारवाँ बनाए,
विपत्ति को छोड़ संपत्ति की आशा जगाए,
दुखों को भूल, सुख प्राप्ति के साधन जुटाए,
एक कदम आगे बढ़कर २०२० से २०२१ में जाए !

इक्कीसवीं सदी में २०-२० साथ साथ क्या आये,
सुख और आशा के साथ, दुःख और निराशा भी साथ लाये,
पर एक कदम आगे बढ़कर २०२० से २०२१ में जायें !

