



SCHOOL OF  
**PHARMACEUTICAL  
SCIENCES**

NAAC  
GRADE **A++**

# Aushadh Patrika<sup>2025</sup>

School of Pharmaceutical Sciences  
Lovely Professional University | [www.lpu.in](http://www.lpu.in)

Think**BIG**

## Editorial

School of Pharmaceutical Sciences, Lovely Professional University, is pleased to present its annual magazine, Aushadh Patrika-2025.

The magazine primarily reflects the strong research-driven spirit of the School. It highlights sustained progress in research through publications, patents, funded projects, doctoral research, and interdisciplinary collaborations. These contributions demonstrate the School's commitment to advancing pharmaceutical sciences through rigorous inquiry, innovation, and ethical research practices, while strengthening its academic and scientific standing.

Building on this strong research foundation, the magazine documents the academic progress and scholarly activities of the School of Pharmaceutical Sciences. It presents key academic initiatives, including conferences, seminars, workshops, guest lectures, and faculty development programs, which have contributed to academic rigor, knowledge exchange, and professional growth. The magazine further highlights the achievements of students and faculty in research and academics, including recognitions, placements, professional engagements, and institutional contributions. Coverage of social outreach, health awareness initiatives, and community engagement reflects the School's commitment to societal responsibility and the development of ethically grounded healthcare professionals.

I am deeply thankful to all the contributors for their valuable inputs.

As Editor-in-Chief, I hope this magazine serves as a meaningful record of the School's progress, collective efforts, and academic culture, while inspiring continued excellence in research, education, and service to society.



**Editor-in-chief:**

**Dr Deepshikha Patle**

Associate Professor

School of Pharmaceutical sciences,  
Lovely professional university



**Student coordinator:**

**Ms Bushra Bashir**

PhD scholar

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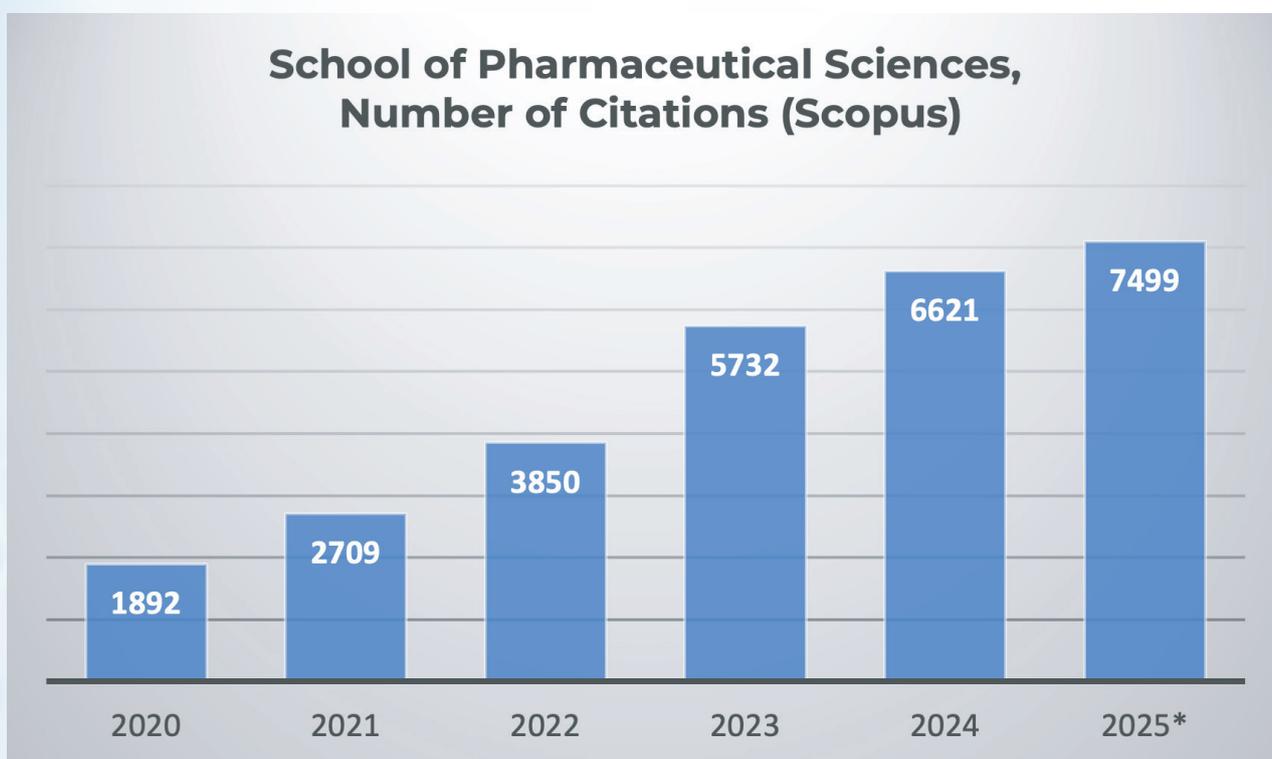
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# Research Achievements

The students and faculty members of the School of Pharmaceutical Sciences have successfully attained the following achievements during last one year.

- Scientific papers published in indexed journals: 371
- Book chapters published with Scopus-indexed publishers: 57
- Scopus-indexed books: 04
- Patents published: 45
- Patents granted: 08
- Copyrights granted: 16



**Ranks LPU**  
**5<sup>th</sup>**  
**IN INDIA**  
**(56<sup>th</sup> in Asia)**

IN QS WORLD UNIVERSITY RANKINGS ASIA 2026  
**INTERNATIONAL RESEARCH NETWORK**  
 Including all Government (even IITs & NITs), & Private Institutions  
 PROUDLY INDIAN, TRULY GLOBAL !

Ministry of Education, Government of India

**Ranks LPU**  
**13<sup>th</sup>**  
**IN PHARMACY**

amongst both Government and Private Universities

## Inspiring Excellence

**Inspiring Excellence: Ms. Alka Awasthi, a student of M. Pharm (Ayurveda, 2023-25)** from the School of Pharmaceutical Sciences, Lovely Professional University, has brought great pride to the institution by receiving the prestigious MY Bharat-NSS Award 2022-23, conferred by the Hon'ble President of India. This remarkable recognition celebrates her dedication, commitment, and outstanding contribution to community service through the National Service Scheme (NSS). Her achievement is a true inspiration for fellow students.



### Representation at the United Nations ENERGYNOW SDG7 Action Forum:

Ms. Archita Dutta Student of M. Pharm Pharmacy Practice was nominated from India by the UNESCO Association Guwahati (UAG) to attend the ENERGYNOW SDG7 Action Forum 2025, organized by the United Nations and supported by UN DESA, held in New York City on 24-25 September 2025, alongside the 80th Session of the United Nations General Assembly.

**Ms. Yvette Mbewe**, alumna of the School of Pharmaceutical Sciences, LPU, has been recognized for her exceptional leadership and global engagement. She was honored to experience an enriching journey through the Mandela Washington Fellowship, where she had the opportunity to learn alongside 24 outstanding young leaders from across Africa. This fellowship strengthened her belief in the power of youth-driven change and further deepened her commitment to advancing health, education, governance, and community development. Building on this remarkable leadership experience, Ms. Mbewe has also been selected to join Global Youth Voices at COP11 of the WHO FCTC in Geneva. This prestigious platform brings together youth advocates from around the world to champion stronger tobacco control policies and protect the health of future generations. As the conference begins, she stands united with young leaders globally, boldly urging governments to prioritize youth health over tobacco industry profits. Their collective voice demands the removal of industry influence from policymaking and calls for full accountability for the harms caused by tobacco. Through her dedication, courage, and unwavering commitment to public health, Ms. Yvette Mbewe continues to inspire and lead efforts toward justice, global well-being, and a smoke-free future.



## Consultancy Projects

**Dr. Bimlesh Kumar, Dr. Monica Gulati, and Dr. Rakesh Kumar** secured a project by **Pharma Instinct Pvt. Ltd., Noida, Uttar Pradesh, India.**

**Dr. Biplab Pal** received a project from **Arogyam Ayurveda Pvt. Ltd., Delhi/NCR.**

**Dr. Mandeep Kaur** received a project from **Trishveda Naturals Pvt. Ltd., Ludhiana, Punjab.**

**Dr. Biplab Pal, Dr. P. Yanadaiah, Dr. Bhupinder Kapoor, and Dr. Rajesh Kumar** each completed a project funded by **Mangrove Creations LLP, New Delhi.**

## Placements

- The School of Pharmaceutical Sciences achieved strong placement results, with **76 unique students** placed and a total of **88 offers** secured by students from the graduating batches of B. Pharm and M. Pharm, with the highest package exceeding ₹10 LPA.
- Major recruiters include **Paraxel, Novo Nordisk, Merck, Dr Reddy's, Alembic, Overseas, Jubilant Biosys Ltd., IQVIA, IKS Healthcare, Databridge Market Research, GRG Health, Systacare, Pharmafile SARL Ubipharma, and Roots Analysis Private Limited**, among others.
- **Fida Housen Irfan, an M. Pharm (Pharmacy Practice) student**, has secured a placement package of **₹12 LPA at Pharmafile SARL Ubipharma.**
- **Ms. Yakubu** has been selected as a **Legislative Aide in the Office of the Speaker, House of Representatives, Nigeria**, with a monthly remuneration of **1,200 USD plus additional benefits.**

Verto Selected by

**PHARMAFILE SARL UBI PHARMA**

CTC 12 LPA



FIDAHOUSSEN IRFAN

M PHARM. (PHARMACY PRACTICE) 2023-2025



OFFICE OF THE SPEAKER,  
HOUSE OF REPRESENTATIVES,  
NIGERIA

NATIONAL ASSEMBLY COMPLEX



## Other Notable Placements



**CTC** **4.8** Lacs



Aparna Vats  
M.Pharm.  
(Pharmacology)



Sarvagya Gupta  
M.Pharm.  
(Pharmacology)



Nitya Srivastava  
M.Pharm.  
(Pharmaceutics)



Aniket Sharma  
M.Pharm.  
(Pharmaceutics)



**ALOK RANJAN**

METROPOLIS



**PRATYUSH RAJ**



**ADYA PANDEY**

parexel.



**ANKUSH YADAV**

## Other Notable Placements

Verto Selected by



Roots Analysis  
BUSINESS RESEARCH & CONSULTING

CTC **4** LPA



**BHAVYA SHARMA**  
M PHARM. (PHARMACY PRACTICE)  
2023-2025

Verto Selected by



TIRUPATI  
MEDICARE LTD

CTC **4** LPA



**VAISHNAVI**  
M PHARM. (AYURVEDA)  
2021-2023

Verto Selected by



GRG HEALTH

CTC **3.3** LPA



**ADITYA VIKAS MANE**  
M PHARM. (PHARMACEUTICS) 2023-2025

Verto Selected by



JUBILANT BIOSYS LTD

CTC **3.1** LPA



**SWATI**  
M PHARM. (PHARMACEUTICAL CHEMISTRY)  
2023-2025

## Our Alumni and faculties Listed in the 2025 world ranking of Top 2% scientists released by Stanford University, USA



Dr Saurabh Satija



Dr Rubiya Khursheed



Dr Ankit Awasthi



Dr Leander Corrie



Dr Sukriti Vishwas

## Faculties listed under Top 2% Scientists



Dr Monica Gulati



Dr Sachin Kumar Singh



Dr Vijay Mishra



Dr Bhupinder Kapoor



Dr Rajesh Sachdeva



Dr Harish Vancha

## Awards of Doctorate Degree



**Dr. Rachana Sameer Bhimanwar** completed her Ph.D. on the topic “Design, Synthesis, and Evaluation of Some New Coumarin Derivatives for Antidiabetic Activity” in Pharmaceutical Chemistry under the supervision of Dr. Vikas Sharma. During her Ph.D., she published two research papers and one review paper. She also worked as a Co-Investigator on a funded project with the University of Wisconsin, Madison. Her current H-index is 9 and i10-index is 8.



**Dr. Neha Srivastava** was awarded a Ph.D. degree under the supervision of Dr. Vijay Mishra on the topic “Formulation Development, Characterization, and Evaluation of Anti-HIV Potential of Dendrimer–Carbon Nanotube Conjugates (DENDRITUBES)” in Pharmaceutics. She has published four research articles, two review articles, and one book chapter, and has been granted one copyright.



**Dr. Vibhu Khanna** completed her Ph.D. under the supervision of Dr. Saurabh Singh on the topic “Development and Pharmacological Evaluation of Polyherbal Nanoemulsion for the Treatment of Second-Degree Burns” in Ayurvedic Pharmacy. She has filed two patents and one copyright, published two research articles, and has two book chapters in press.

## Awards of Doctorate Degree



**Dr. Arun Kumar** completed his Ph.D. on the topic “Development and Pharmacological Evaluation of Polyherbal Microemulsion for the Treatment of Psoriasis” in Ayurvedic Pharmacy under the supervision of Dr. Saurabh Singh and co-supervision of Dr. Bimlesh Kumar. He published two research papers and filed one copyright during his Ph.D.



**Dr. Sukriti Vishwas** was awarded a Ph.D. degree under the supervision of Dr. Sachin K. Singh and co-supervision of Dr. Monica Gulati on the topic “Formulation, Development, and Evaluation of Fisetin-Loaded Oral Nanoemulsion for the Treatment of Alzheimer’s Disease in Rats” in Pharmacology. During his Ph.D. tenure, he published two research papers, seven review articles, two book chapters, one Indian patent, and two copyrights. Her current H-index is 21 and i10-index is 45



**Dr. Sweta Kumari** was awarded a Ph.D. degree under the supervision of Dr. Sanjeev Kumar Sahu on the topic “Cosmetic Utilization and Associated Adverse Events: Prevalence and Risk Factors Analysis” in Pharmacy Practice. She has published three research papers, fourteen review articles, and three book chapters. Additionally, one copyright has been granted and two are under process.



**Dr. Reena Gupta** completed her Ph.D. on the topic “Development, Optimization, and Pharmacological Evaluation of a Novel Topical Formulation of Capsiate and Aged Garlic Extract for the Prevention of Extreme Cold Injuries” in Pharmacology under the guidance of Dr. Monica Gulati. Her research led to the publication of one original article, two review papers, a Springer book chapter, and the grant of an Indian patent for her innovative formulation.



**Dr. Gambhire Hanumant Pandurang** received his Ph.D. in Pharmaceutics under the supervision of Dr. Monica Gulati, and co-supervision of Dr. Sachin Kumar Singh and Dr. Atul Nasa, for his work titled “USFDA Warning Letters Issued to Pharmaceutical Industries for cGMP Violations Pertaining to Sterile Products: Analysis and Guidance



**Dr. Srinivas Sutrapu** completed his Ph.D. in Pharmacology under the supervision of Dr. Rashmi Saxena Pal and co-supervision of Dr. Govindaiah Pilli, with a thesis titled “Extraction, Pharmacological, and Pharmacoinformatic Evaluation of Active Constituents of Dalbergia latifolia as Potential Antidiabetic Agents

## Awards of Doctorate Degree



**Dr. Somanaboina Padmakar** was awarded a Ph.D. in Pharmacy Practice under the supervision of Dr. Biplab Pal on the topic "Assessment of Drug Prescribing Pattern, Quality of Life, and Depression in Generalized and Localized Vitiligo Patients of Andhra Pradesh"



**Dr. Nikhil Gupta** was awarded a Ph.D. in Pharmaceutics under the supervision of Dr. Sheetu for his research titled "Development of Solid Dosage Forms Using Platform Technology for Oral Delivery"



**Dr. Gautam Kumar** received his Ph.D. in Pharmaceutics under the supervision of Dr. Narendra Kumar Pandey for his thesis on "Solid Dosage Form Design and Evaluation of Berberine HCl for Colon Delivery."



**Dr. K. M. Rishu Yadav** completed his Ph.D. in Pharmaceutics under the supervision of Dr. Narendra Kumar Pandey for his study titled "Development and Evaluation of Emulgel Loaded with Green Tea Extract-Based Silver Nanoparticles and Vitamin D for Wound Healing"



**Dr. Kashid Snehal Uttam** received her Ph.D. in Pharmacognosy under the supervision of Dr. Ashish Sutte for her study titled "Development and Evaluation of Herbal Formulation for Immunomodulatory Activity"



**Dr. Nissar Ahmad Dar** was awarded a Ph.D. in Pharmacognosy under the supervision of Dr. Iqbal Singh on the thesis "Development, Evaluation, and Characterization of a Novel Anti-Vitiligo Ointment from Himalayan *Heracleum candicans* Wall. ex DC"

## Awards of Doctorate Degree



**Dr. Sayantika Chakraborty** successfully completed her Ph.D. under the supervision of Dr. Navneet Khurana on the topic “Ameliorative Effect of Gamma Oryzanol and Morinda citrifolia in Polycystic Ovary Syndrome Using an Animal Model” in Pharmacology. Her research was focused on evaluating the therapeutic potential of Gamma Oryzanol and Morinda citrifolia to improve the quality of life of women of reproductive age affected by PCOS. As part of her research output, she published a research papers and secured an Indian copyright for her research work.



**Dr. Sharfuddin Mohd** successfully completed his Ph.D. under the supervision of Dr. Vikas Sharma on the topic “Synthesis and Antidiabetic Investigation on Thiazole Derivatives” in Pharmaceutical Chemistry. During his doctoral research, he made significant contributions to medicinal chemistry by exploring novel thiazole-based compounds with potential antidiabetic activity. As part of his research output, he published two research papers, one review paper, and secured one Indian copyright as the first author, reflecting his strong commitment to scientific innovation and scholarly excellence.

## Conference held



The 4th International Conference of Pharmacy (ICP-2024) was held on October 18-19, 2024, at Lovely Professional University's School of Pharmaceutical Sciences, in collaboration with the Indian Pharmacy Graduates' Association (IPGA). The conference centred on the theme "Pharmaceutical Innovations and Challenges: Designing a Sustainable Healthy Society." It brought together leaders in pharmaceutical sciences, researchers, and academicians to discuss advancements and challenges in the field. Notable international speakers included Dr. Flavia Zacconi from Pontificia Universidad Católica de Chile, who focused on organic chemistry in pharmaceutical research; Dr. Kamal Dua from the University of Technology Sydney, Australia, who shared insights on innovations in drug delivery systems; and Dr. Yap Wei Hsum from Taylor's University, Malaysia, who discussed pharmaceutical microbiology. Dr. Vetrivelan Subramaniyan from Sunway University, Malaysia, elaborated on advancements in molecular medicine. In Scientific Session 11, Dr. Dinesh Kumar Chellappan from the International Medical University in Kuala Lumpur presented his work on nanotechnology in drug delivery. In Scientific Session 12, Prof. Dr. Goh Bey Hing from Sunway University shared ground-breaking research on bifunctional molecules. The event featured a series of scientific sessions, fostering interdisciplinary knowledge exchange. On Day 1, sessions were led by experts such as Prof. (Dr.) Deepender Singh, Chairman of the Education Regulation Committee, Pharmacy Council of India, who discussed recent advancements in pharmaceutical education; and Prof. (Dr.) Rashi Mathur from the Institute of Nuclear Medicine & Allied Sciences, DRDO, who spoke on radiopharmaceuticals for therapeutic purposes. Day 2 included sessions by Dr. Bikash Medhi from PGIMER, Chandigarh, who delivered an in-depth lecture on pharmacovigilance and its future role in ensuring drug safety; and Prof. (Dr.) Anand K. Chaudhary of Banaras Hindu University, who enlightened the audience on Rasa Shastra and Bhaishjya Kalpana, traditional Indian medicinal practices. The conference concluded with a valedictory function recognizing outstanding contributions, underscoring the event's success in promoting interdisciplinary collaboration and innovation in pharmaceutical sciences.

## SHE- SCIENCE Conference



The national conference SHE-SCIENCE 2025, held on 26 August 2025, centred around the theme “Sustainable Health and Empowerment in Science,” with a special focus on the role of women in shaping sustainable global health. The event brought together experts from academia, healthcare, industry, and policy to reflect on emerging challenges such as climate change, public health crises, and the need for inclusive scientific leadership. The presence of Chief Guest Dr. Annam Visala, Guest of Honour Dr. Upendra Nagaich, and keynote speakers Dr. Rashi Mathur, Dr. Ankur Kaul, and Sh. Anil Swarup added great value to the discussions and intellectual exchange. The conference also received strong support from the university leadership, including Honourable Chancellor Dr. Ashok Mittal, Pro-Chancellor Col. Dr. Rashmi Mittal, and Vice-Chancellor Dr. J. S. Sandhu. With 35 oral and 167 e-poster submissions from 55 institutions across India, the scientific sessions witnessed enthusiastic participation, especially on the theme “Empowering Women in Pharmaceutical Innovation: A Roadmap to Global Health Equity.” Overall, the conference offered a meaningful platform for knowledge sharing, collaboration, and inspiration for students, researchers, and professionals alike.

## National Pharmacists Week Celebrations

National Pharmacists Week was celebrated at the School of Pharmaceutical Sciences from October 3 to October 9, 2024. The event, themed “Pharmacists: Meeting Global Health Needs,” engaged 250 participants in a diverse range of activities, including a Quiz Competition, Extempore, Best Out of Waste, Fun Activities, Poster Making, Rangoli Competition, Group Dances, a Skit on pharmacy-related themes, and a White Coat Ceremony. Winners of the competitions were awarded first, second, and third prizes in recognition of their excellence. The event was widely promoted through banners and brochures distributed among students, ensuring extensive engagement and awareness.



## Science Spectrum 2.0



The School of Pharmaceutical Sciences, in collaboration with the WAO Federation, hosted Science Spectrum 2.0 from February 19 to 21, 2025. The event began with a series of intellectually stimulating activities including essay writing, e-poster presentation, debate, and the creative “Hashtag Hustle,” offering students a platform to express their scientific ideas. On the second day, participants attended an insightful guest lecture by Mr. Ganesh Kumar Sharma and Dr. Ravindra from Galgotias University, who shared their expertise on emerging trends in the pharmaceutical sector. The event encouraged scientific dialogue, analytical thinking, and peer interaction in an engaging environment.

## Bio creations 2025- Where Science Meets Creativity

The School of Pharmaceutical Sciences, in collaboration with the WAO Federation, hosted Science Spectrum 2.0 from February 19 to 21, 2025. The event began with a series of intellectually stimulating activities including essay writing, e-poster presentation, debate, and the creative “Hashtag Hustle,” offering students a platform to express their scientific ideas. On the second day, participants attended an insightful guest lecture by Mr. Ganesh Kumar Sharma and Dr. Ravindra from Galgotias University, who shared their expertise on emerging trends in the pharmaceutical sector. The event encouraged scientific dialogue, analytical thinking, and peer interaction in an engaging environment.



## HER CARE: OUR SHARE Promoting Menstrual Hygiene

The School of Pharmaceutical Sciences, in collaboration with the student organization MEDICRATES, organized HER CARE: OUR SHARE on March 28, 2025. The event aimed to spread awareness about menstrual hygiene among women living in the slum areas near LPU. Faculty members conducted sessions to educate women about safe menstrual practices and break common myths. Sanitary pads were also distributed to over 100 women during the visit. The initiative encouraged open conversations around menstruation and supported better health and hygiene in the community.



## Ink and Earth: Where Ideas Take Root

The School of Pharmaceutical Sciences, in collaboration with the student organization MEDICRATES, organized Ink & Earth: Where Ideas Take Root on May 3, 2025, to pay tribute to Dr. B.R. Ambedkar. The event combined a Plantation Drive and an Essay Writing Competition, encouraging students to reflect on social justice, sustainability, and responsible citizenship. The activities promoted environmental awareness and honoured Dr. Ambedkar's values through creative expression and action. The initiative helped build a stronger sense of community, academic engagement, and commitment to social and environmental causes.



## Industrial visits



The School of Pharmaceutical Sciences organized an industrial visit for third-year B. Pharmacy students to Scott Edil Pvt Ltd., Baddi, Himachal Pradesh, on 6th August, 2024. This visit provided valuable industry insights and helped bridge the gap between classroom learning and real-world applications

The School of Pharmaceutical Sciences organized an industrial visit to Macleods Pharmaceuticals Ltd. on February 4, 2025, for B. Pharmacy students. The visit provided valuable exposure to pharmaceutical manufacturing processes, including formulation, quality assurance, quality control, and packaging. Students gained insights into Good Manufacturing Practices (GMP), research opportunities, and the role of excipients in drug formulation, enhancing their understanding of industry standards and real-world applications.



## Industrial Visit to NIPER, Mohali

As part of Science Spectrum 2.0, students visited the National Institute of Pharmaceutical Education and Research (NIPER), Mohali, on February 21, 2025. The visit offered hands-on exposure to research infrastructure and real-time applications of pharmaceutical technologies. It helped students connect academic learning with industrial practices, enhancing their understanding of advanced drug development, quality control, and regulatory standards.



# Alumni Engagement

The Alumni Lecture on Healthcare Market Research, organized by the School of Pharmaceutical Sciences, LPU, on July 26, 2024, featured Ms. Pemba (B. Pharma, 2016), Senior Manager at Roots Analysis, Chandigarh. The session was attended by nearly 100 participants and covered the fundamentals of healthcare market research, methodologies, industry trends, and real-world applications. Ms. Pemba shared insights on AI integration, digital health, and market strategies, followed by an interactive Q&A session and career guidance. The lecture provided valuable practical knowledge and professional insights, inspiring students to pursue careers in healthcare market research.



**Mr. Vineet Rastogi**, Managing Director, Healium Futuristic Pvt. Ltd., delivered an insightful guest lecture on International Overdose Awareness Day, held on August 31, 2024, at the School of Pharmaceutical Sciences. The session was organized through the initiative of Mr. Sibasis Bhattacharya, an alumnus (B. Pharm, 2015) and currently serving as an Analytical Researcher at Teva Pharmaceuticals. Attended by around 200 participants, the lecture focused on overdose prevention, effective intervention strategies, and active student engagement. Key highlights included current trends in overdose cases, preventive approaches, an interactive Q&A session, and guidance on treatment resources. The event successfully enhanced awareness, encouraged academic dialogue, and inspired meaningful action in the field of overdose prevention.



**Mr. Sharwan Hudda**, an alumnus of LPU and Assistant Professor at Maulana Azad University, Jodhpur, delivered a lecture on the KAPS (Australian Pharmacy Council) Exam on September 6, 2024. The session provided valuable insights into the exam structure, effective study strategies, and alumni experiences. Key highlights included a keynote address, an interactive Q&A session, resource distribution, and networking opportunities. The event successfully enhanced students' understanding of the exam, offered actionable preparation strategies, and strengthened alumni-student connections.



## Entrepreneurship events

The School of Pharmaceutical Sciences organized the "Pharma Innovate: Turn Concepts into Reality" Boot Camp on September 16, 2024. The one-day offline event was led by Mr. Rohit Vij, Assistant Professor in the Department of Start-ups at LPU, and attended by 37 M. Pharmacy students and 15 faculty members. The boot camp aimed to bridge the gap between theoretical knowledge and practical application in pharmaceutical sciences. Mr. Vij provided insights into startup culture, entrepreneurship, and strategies for turning innovative pharmaceutical ideas into marketable products. The event fostered collaboration, encouraging participants to develop entrepreneurial skills and explore opportunities within the pharmaceutical industry.



## School Level Project Expo to Showcase Innovation in Pharmaceutical Sciences

The School of Pharmaceutical Sciences, LPU, organized a School Level Project Expo on April 21, 2025, at Block 4 Corridor. The event offered a platform for students to present their innovative pharmaceutical projects and research concepts. Dr. Rohini Sharma, Director of Rohini Biocare Research, Paonta Sahib, Himachal Pradesh, graced the event as the chief guest and provided valuable feedback to the budding researchers. With participation from 41 students and 5 faculty members, the expo fostered a spirit of innovation, hands-on learning, and collaborative growth. The event successfully encouraged students to transform theoretical knowledge into practical applications, while also strengthening their presentation and teamwork skills.



## Seminars and Guest Lectures

The School of Pharmaceutical Sciences organized a guest lecture "Demystifying Leprosy," on May 8, 2024, at the Baldev Raj Mittal Auditorium. The session featured eminent speakers Mr. Aftab Pasha and Mr. Shubhendra Sachan from the Sasakawa-India Leprosy Foundation, who engaged 358 participants in a thought-provoking discussion. They debunked common myths, addressed the stigma surrounding leprosy, and provided insights into the current leprosy landscape in India. The lecture also highlighted the foundation's dedicated efforts toward leprosy eradication and the rehabilitation of affected individuals.



## Guest lecture on World Hepatitis Day

The School of Pharmaceutical Sciences, LPU, organized a lecture on July 29, 2024, at the Baldev Raj Mittal Auditorium, featuring Mr. Sanchit Bajaj from Joshi Hospital, Jalandhar. The session, attended by 150 participants, aimed to raise awareness about hepatitis, its global impact, and the significance of World Hepatitis Day. Key discussions included an overview of different hepatitis types, challenges in disease management, notable success stories, and an engaging interactive Q & A session. The event effectively promoted awareness, community involvement, and strengthened professional networking among attendees.



## Guest Lecture on Entrepreneurship in Healthcare

The School of Pharmaceutical Sciences organized a guest lecture on Entrepreneurship Opportunities in Healthcare on February 21, 2025. The session was delivered by Dr. Anand R. Bafna, Director, Priority Herbals Pvt. Ltd., Pune. He shared practical insights on third-party manufacturing, business opportunities in the nutraceutical and medical device sectors, and government schemes supporting startups. Around 80 students and 10 faculty members attended the session, which encouraged participants to explore entrepreneurial possibilities in the pharmaceutical industry.



## Seminar on Career Opportunities in Pharmaceutical Sciences

The School of Pharmaceutical Sciences organized a seminar on Career Opportunities in Pharmaceutical Sciences on April 7, 2025. The session was delivered by Dr. Ashish Baldi, Dean, Maharaja Ranjit Singh Punjab Technical University, Bathinda. He discussed diverse career options in drug development, clinical trials, regulatory affairs, quality assurance, and academia. The talk also touched on new trends in biotechnology and digital health. The session helped students understand various career paths and the skills needed to succeed in the pharmaceutical industry.



## Guest Lecture on Menstrual Health and PCOS

On May 2, 2025, the School of Pharmaceutical Sciences organized a guest lecture on Common Period Problems in Young Girls and Women – Focusing on PCOS. The session was delivered by Dr. Gaganjot Kaur, Consultant Obstetrician and Gynecologist, Panacea Women and Heart Care Centre, Jalandhar. She discussed menstrual health issues, especially Polycystic Ovary Syndrome (PCOS), its symptoms, causes, and management. The session helped students understand the importance of early diagnosis, lifestyle changes, and awareness to manage such conditions effectively.

## Sports Achievement Highlights



Dr. Vikas Sharma from the School of Pharmaceutical Sciences received two silver medals (singles and doubles) in the Pickleball Tournament held in April 2025. Students of the school also performed well in various athletic and indoor sports events, contributing to the school's overall success. The school secured the 8th position in the General Sports Championship 2025, reflecting active participation in university-level competitions.

Dr. Deep Shikha Sharma from school of Pharmaceutical sciences, Secured a silver medal in the chess competition during "Sanidhya 2024: Uni-Staff Sports Fest" held on December 23, 2024, showcasing her strategic skills and excellence.



## National Pharmacy week Celebration

School of Pharmaceutical sciences celebrated National Pharmacists' week from 11th Oct-17th Oct 2025 on the theme "Think Health, Think Pharmacist. highlights for the event: Guest lecture was conducted by alumni Ms. Yevette



The School of Pharmaceutical Sciences celebrated "One India" on October 8-9, 2025, with the theme "Gatha-e-Bharat." During the event, the school proudly represented the state of Manipur, showcasing its rich cultural heritage through vibrant performances, traditional displays, and interactive sessions. The celebration promoted unity in diversity and provided students with an opportunity to appreciate the cultural essence of different Indian states.



## Scientific contributions by students



**Shikha Mondal**

**B. Pharmacy, Batch (2022-2026)**

**Expanding mRNA Vaccine Platforms: A New Horizon in Therapeutics:** The ground-breaking success of mRNA technology, highlighted by the rapid development of COVID-19 vaccines, has revolutionized the pharmaceutical landscape. Beyond COVID-19 vaccines, mRNA-based platforms are being explored for diseases such as tuberculosis (TB), HIV, cancer, and Zika. This innovative approach leverages mRNA's ability to instruct cells to produce target proteins, inducing an immune response without relying on live viruses or traditional methods. Key advancements in mRNA vaccines include enhanced protein translation, immune response modulation, and improved delivery systems. Their production, based on in vitro transcription in a cell-free system, allows for rapid adaptability and scalability, making them well-suited for emerging infectious diseases and broad-spectrum immunization strategies. The World Health Organization (WHO) recognizes the transformative potential of mRNA platforms, emphasizing their ability to address diverse diseases, accelerate vaccine development, and enhance global health outcomes. As of November 2022, COVID-19 has claimed 6.6 million lives, underscoring the urgency of expanding global mRNA vaccine production to counter dangerous mutations, improve affordability, and ensure equitable access. This rapidly evolving technology represents a major advancement toward a more resilient and prepared global healthcare system.



**Nandini Chahal**

**B. Pharmacy, Batch (2021-2025)**

**India's First Indigenous Antibiotic: Nafithromycin:** Community-Acquired Bacterial Pneumonia (CABP) is a bacterial lung infection that causes inflammation and impaired gas exchange, primarily affecting vulnerable groups such as children, the elderly, and individuals with chronic illnesses like diabetes and cancer. Drug-resistant pneumonia accounts for over two million deaths annually, with India contributing to 23% of the global burden. The rising resistance to frontline antibiotics like Azithromycin has worsened concerns over multidrug-resistant pathogens, including *Streptococcus pneumoniae* and *Klebsiella pneumoniae*. Addressing this challenge, India has introduced its first indigenously developed antibiotic, Nafithromycin. Supported by the Biotechnology Industry Research Assistance Council (BIRAC) and commercialized as "Miqnaf" by Wolkardt, Nafithromycin was officially launched by Union Minister Dr. Jitendra Singh on November 20, 2024. Nafithromycin has demonstrated exceptional efficacy against both typical and atypical pathogens, achieving a 96.7% clinical cure rate-proving ten times more effective than Azithromycin. Its shorter three-day regimen offers superior safety, minimal gastrointestinal side effects, no significant drug interactions, and food-independent efficacy, enhancing patient convenience. Currently awaiting final manufacturing approval from the Central Drugs Standard Control Organisation (CDSCO), Nafithromycin marks a significant advancement in India's fight against Antimicrobial Resistance (AMR) and highlights the nation's growing pharmaceutical innovation. The Indian government plans to include it in the Ayushman Bharat scheme to improve accessibility, reinforcing its commitment to public health. This breakthrough fosters public-private collaboration and paves the way for future innovations aimed at tackling global health challenges and saving lives.

## Scientific contributions by students



**Rakesh Chandra Kalita**  
M. Pharmacy Batch: 2024-2026

Advancement of 3D culture technology in drug discovery: 3D cell culture technology is transforming drug discovery by providing more physiologically relevant models for preclinical testing, enabling better predictions of drug efficacy and safety. Unlike traditional 2D cell cultures, which fail to replicate the complexity of human tissues, 3D cultures—such as spheroids and organoids—mimic the in vivo environment more accurately by preserving cell-cell and cell-extracellular matrix interactions. This enhances the ability to predict drug candidate performance in the human body. The adoption of 3D cell culture has accelerated, especially after the 2022 US Congressional law lifting the FDA's animal testing requirement, paving the way for more advanced preclinical models.

High-throughput screening combined with 3D cultures enables large-scale compound testing and the study of patient-derived cells, facilitating personalized medicine. Emerging innovations—including hydrogels, spheroids, organoids, and 3D bioprinting—are further enhancing its applications in drug discovery. Looking ahead, the integration of cutting-edge technologies such as CRISPR gene editing and microfluidics is set to expand the role of 3D cell cultures in personalized medicine and revolutionize drug development.



**Rizwan Rahman Burah**  
B Pharmacy (2021-2025)

AI in Drug Discovery: Transforming the Future of Medicine: AI is transforming drug discovery, making it faster, more efficient, and cost-effective. Companies like Insitro and NVIDIA are leveraging AI to analyse vast datasets, identify potential drug candidates, and predict their interactions within the body. Insitro collaborates with pharmaceutical leaders like Eli Lilly, while GSK's partnership with Relation Therapeutics focuses on AI-driven solutions for diseases like osteoarthritis. Similarly, NVIDIA is advancing healthcare through collaborations with Medtronic and CytoReason, enhancing diagnostics and precision medicine. A ground-breaking achievement in AI, Alpha Fold by Google DeepMind, has revolutionized protein structure prediction, accelerating drug target identification and the development of custom biomolecules. Additionally, AI-powered nanorobots are paving the way for precision medicine, particularly in cancer therapy, by delivering treatments directly to tumor cells with minimal side effects. Despite challenges in safety, biocompatibility, and ethical concerns, AI's integration into drug discovery and nanomedicine is set to reshape the future of healthcare, enabling more personalized treatments and improved patient outcomes.

way for precision medicine, particularly in cancer therapy, by delivering treatments directly to tumor cells with minimal side effects. Despite challenges in safety, biocompatibility, and ethical concerns, AI's integration into drug discovery and nanomedicine is set to reshape the future of healthcare, enabling more personalized treatments and improved patient outcomes.

## Write-ups by Faculty Members



**Prof. (Dr.) Vijay Mishra**  
School of Pharmaceutical Sciences,  
Lovely Professional University, Phagwara (Punjab)

Amalgamation of nanotechnology with artificial intelligence in healthcare: The integration of nanotechnology with artificial intelligence (AI) holds tremendous promise for revolutionizing healthcare. Nanotechnology involves the manipulation of materials at the nanoscale (1-100 nm) to create structures with unique properties. In healthcare, nanotechnology has been utilized for drug delivery systems, diagnostics, imaging agents, and tissue engineering. AI algorithms can analyse complex medical data, interpret images, predict outcomes, and optimize treatment plans. AI can control nanoscale robots (Nanorobotics) for precise drug delivery or surgery within the body, responding dynamically to real-time physiological data with high accuracy. Smart nanomaterials

embedded with AI algorithms can monitor biomarkers, release drugs in response to specific conditions, or communicate data to external devices for continuous health monitoring. Under personalized medicine, AI algorithms can analyse genetic, molecular, and environmental data to tailor nanoparticle-based therapies for individual patients, optimizing treatment outcomes. This interdisciplinary approach has the potential to significantly advance diagnostics, treatment, and patient care in the future healthcare landscape.

## Write-ups by Faculty Members



**Dr. Pankaj Wadhwa**  
Associate professor

Entrepreneurship in Medicinal Chemistry: Turning Ideas into Innovations: In the dynamic world of pharmaceutical sciences, medicinal chemistry has long served as a bridge between molecular understanding of disease and the development of life-saving therapeutics. Once confined to academia and R&D labs, the field is now shifting—driven by a spirit of entrepreneurship. Medicinal chemists are emerging as innovators and founders, translating discoveries from bench to bedside. This transformation is fueled by greater access to drug discovery technologies, increased biotech support, and a mindset shift toward translational research. By aligning chemical insight with market needs, chemists can identify therapeutic gaps, design novel molecules, and develop scalable solutions. Turning a promising compound into a viable product requires more than scientific brilliance—it demands strategic planning, regulatory knowledge, and business acumen. Many successful ventures have grown from academic research, supported by incubators, funding, and clinical partnerships. Navigating intellectual property, preclinical trials, and regulatory approvals is complex—but the impact on global health is profound. Emerging tools like AI-driven molecular modeling, 3D cell cultures, and high-throughput screening are expanding innovation possibilities. As India and the global pharma sector embrace the startup culture, institutions must foster ecosystems that empower chemists to become problem-solvers and risk-takers. With rising healthcare challenges, entrepreneurship in medicinal chemistry is not just an option—it's a necessity to redefine the chemist's role in modern medicine.

## Research on Alzheimer's disease leading to Publication in high-impact journals



**Ms. Pooja Rani**  
(PhD Scholar)



**Ms. Bushra Bashir**  
(PhD Scholar)



**Mr. Kaustubh Ajit Kolekar**  
(PhD Scholar)



**Ms. Siya Sharma**  
(M.Pharm Batch 2024-2026)



**Mr. Pratim Biswas**  
(B. Pharm)



**Ms. Tripti Sharma**  
(B.Pharm)



**Ms. Nandini Andotra**  
(B.Pharm)



**Mr. Prince Sharma**  
(B.Pharm)

The School of Pharmaceutical Sciences, Lovely Professional University continues to strengthen its research excellence in the field of neurodegenerative diseases, particularly Alzheimer's disease. Demonstrating outstanding academic contribution, Ms. Pooja Rani (Ph.D. Scholar), Ms. Bushra Bashir (Ph.D. Scholar), Mr. Kaustubh Ajit Kolekar (Ph.D. Scholar), Ms. Siya Sharma (M.Pharm), Mr. Pratim Biswas (B. Pharm), Ms. Nandini Andotra (B.Pharm), Ms. Tripti Sharma (B.Pharm) and Mr Prince Sharma (B.Pharm) have published their extensive review work on Alzheimer's disease and gut-brain axis-based therapies in the prestigious Ageing Research Reviews (Impact Factor: 12.5, Q1).

# Students Achievements and success stories



Shivam Kumar Mishra

Ankita Saxena

**LPU PHARMACEUTICAL SCIENCES** **NAAC A++**

## SUCCESS STORY

Proud moment for LPU! **Priyanka Chaudhary** from the **M.Pharm (Ayurveda) 2022-24** batch has successfully cleared the Himachal Pradesh Public Service Commission exam for the post of Ayurvedic Pharmacy Officer in Ayush Vibhag. Wishing her continued success in her professional journey!

**Priyanka Chaudhary**  
M.Pharm(Ayurveda) 2022-24

**LPU PHARMACEUTICAL SCIENCES** **NAAC A++**

## SUCCESS STORY

Mr. Souvik Mohanta, M.Pharmacy (2016-2018), is excelling as an Epidemiology Analyst at an MNC. With 20K+ LinkedIn followers, he's a known name in data analytics and consulting. He has mentored 400+ students with a 4.8-star course rating. A skilled analyst and passionate educator, he continues to inspire many.

**Mr. Souvik Mohanta**  
M.Pharmacy (2016-2018)

**CERTIFICATE OF PARTICIPATION**

**AJITPAL SINGH SIDHU**  
took part in a **GUINNESS WORLD RECORDS™** attempt

The largest Indian folk variety dance consists of 5,194 people, and was achieved by the Ministry of Culture, Govt. of India (India), on the occasion of 76th Republic Day celebrations, in Delhi, India, on 24 January 2025.

**OFFICIAL ATTEMPT**

**GUINNESSWORLDRECORDS.COM**

**LPU PHARMACEUTICAL SCIENCES** **NAAC A++**

## SUCCESS STORY

Mr. Akash Singh, a B.Pharmacy graduate (Batch 2017-2020), currently works as a Digital Creator at Delta, British Columbia. His journey began with a diploma in pharmacy and continued at LPU through lateral entry. Despite initial challenges in finding a job as a registered pharmacist

**Mr. Akash Singh**  
B.Pharmacy Batch (2017-2020)

**LPU PHARMACEUTICAL SCIENCES** **NAAC A++**

## ALUMNI SUCCESS STORY

We are pleased to announce that our B. Pharmacy student, **Mr. Navneet Singh**, has secured **100% scholarship admission at the Deggendorf Institute of Technology, Germany (Public University)** for his higher studies. A proud moment for the School of Pharmaceutical Sciences, LPU as our student continues to make a mark on the global stage!

**Mr. Navneet Singh**  
B. Pharmacy(2020-2024)



**Nandini Chahal**

**GPAT, NIPER JEE 2025 Qualifier**

## Academic and Co-curricular Success Stories



**NATIONAL PHARMA TECH FEST  
AND YOUTH FEST 2025**



**Rondip Dhingia**  
Amiyaprabha Chaudhuri  
Memorial Photography

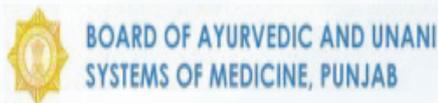
## About the School

The School of Pharmaceutical Sciences is a distinctive institute approved by the Pharmacy Council of India (PCI). It is recognized by various National and International ranking bodies. The curriculum is enriched by academics and industry experts to nurture young brains into responsible Pharma professionals. In addition to the fundamental study, skills are strengthened with significant practical work simulating industrial/clinical set-ups. The school aims to establish an environment for research that will increase awareness and equip students to address problems on a local, national, and international scale.

Established: 2002

## Approvals & membership

Approved by



Memberships



# Approvals & membership

## Prominent Recruiters

## RESEARCH ALLIANCES

## Vision

To be the pre-eminent school of Pharmaceutical Sciences, known for impacting human health through innovations in teaching and learning, industry, entrepreneurship, research and leadership at global level

## Mission

- To create an academic ambience fostering the development of lifelong learners committed to advancing the profession of pharmacy
- To bridge the gap between academia and industry by imparting practical orientation, innovation, and professional ethics to students
- To develop professionals and entrepreneurs trained to assume leadership roles in a dynamic healthcare environment with a focus on patient care
- To create local, national, and international collaborations with academia, hospitals, and clinical organizations for optimum exposure of students to clinical nuances of the profession
- To create a research ecosystem imparting sensitization and capability of addressing local, national, and global challenges

## Programmes offered

### UNDER GRADUATION

- B. Pharmacy

#### Lateral Entry

- B. Pharmacy (Lateral Entry)

### POST-GRADUATION

- M. Pharm (Pharmaceutical Chemistry)
- M. Pharm (Pharmaceutical Analysis)
- M. Pharm (Pharmacy Practice) in tie-up with Christian medical college (CMC).
- M. Pharm (Pharmaceutics)
- M. Pharm (Pharmacology)
- M. Pharm (Ayurveda)

### DOCTORAL

- Ph.D. (Ayurvedic Pharmacy) Full Time & Part Time (minimum 3 years)
- Ph.D. (Pharmaceutics) Full Time & Part Time (minimum 3 years)
- Ph.D. (Pharmacology) Full Time & Part Time (minimum 3 years)
- Ph.D. (Pharmaceutical Chemistry) Full Time & Part Time (minimum 3 years)
- Ph.D. (Pharmaceutical analysis) Full Time & Part Time (minimum 3 years)
- Ph.D. (Pharmacognosy) Full Time & Part Time (minimum 3 years)
- Ph.D. (Pharmacy Practice) Full Time & Part Time (minimum 3 years)

# Ranking



**Ranks LPU**  
**2<sup>nd</sup>**  
**IN INDIA**  
**Worldwide - 301-400**  
**MEDICAL AND HEALTH**  
PROUDLY INDIAN, TRULY GLOBAL !



**Ranks LPU**  
**9<sup>th</sup>**  
**IN INDIA**  
**Global - 251-300**  
**PHARMACY & PHARMACOLOGY**  
PROUDLY INDIAN, TRULY GLOBAL !



**Ranks LPU**  
**3<sup>rd</sup>**  
Atal Ranking of Institutions on Innovation Achievements (ARIIA)  
\* University & Deemed University (Self-Finance/ Private) (Technical)



Ministry of Education, Government of India

Ministry of Education, Government of India  
**Ranks LPU**  
**13<sup>th</sup>**  
**IN PHARMACY**  
amongst both Government and Private Universities



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