



SHARDA
UNIVERSITY
—AGRA—

SHARDA 
SCHOOL OF PHARMACY
—AGRA—

Pharma DOZE



E-NEWSLETTER

EDITION - V

MAY TO JULY 2025

CHIEF PATRONS

Shri P. K. Gupta
Chancellor

Shri Y. K. Gupta
Pro Chancellor

PATRON

Prof. (Dr.) Jayanthi Ranjan
Vice Chancellor
Sharda University Agra

CHAIR PERSON

Prof. (Dr.) Umesh Kumar Sharma
Dean
Sharda School of Pharmacy

Co-CHAIR PERSON

Prof. (Dr.) Gyanendra Kumar Sharma
Assistant Dean
Sharda School of Pharmacy

EDITORIAL TEAM

Dr. Ritesh Kumar
Asso. Prof. & HOD

Ms. Afreen

Assistant Professor

Mr. Neeraj Madhuria
Assistant Professor



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HIGHLIGHTS

- Sharda School of Pharmacy organized a Marathon on World Athletics Day
- Sharda School of Pharmacy organized a Seminar on International Family Day
- Sharda School of Pharmacy organized an Expert Session on World Hypertension Day
- Sharda School of Pharmacy hosted an Expert Session on International Day for Biological Diversity
- Sharda School of Pharmacy observed World No Tobacco Day 2025
- Sharda School of Pharmacy organized the 3rd Board of Studies Meeting
- Dr. Ram Kumar Sahu visited Sharda School of Pharmacy
- Sharda School of Pharmacy, Sharda University Agra successfully completed AIS Presentations of Ph.D. Scholars
- Faculty Achievement

“The pharmacist is the most accessible health professional in the world.”

— William Zellmer

Sharda School of Pharmacy, Sharda University Agra

organized

Marathon on World Athletics Day

Sharda School of Pharmacy, Sharda University Agra, successfully organized a Marathon Competition to celebrate World Athletics Day on 9th May 2025. The event aimed to raise awareness about fitness and sports among students and faculty members.

The marathon was conducted under the dynamic and visionary leadership of Prof. (Dr.) Jayanthi Ranjan, Honourable Vice-Chancellor, Sharda University Agra, who consistently supports initiatives promoting the mental and physical well-being of students. Prof. (Dr.) Umesh Kumar Sharma, Dean, Sharda School of Pharmacy, also inspired students and faculty to actively participate in the competition.

Prior to the marathon, a motivational session was conducted by Mr. Hariom Singh, a seasoned athletic coach and trainer. He highlighted the numerous benefits of engaging in sports and physical activities, emphasizing the importance of maintaining fitness and an active lifestyle.

In the boys' category, the top performers were Mr. Ravindra Yadav from D. Pharm, followed by Mr. Akash Bhadouriya from B. Tech (EC), Mr. Narayan Singh from B. Pharm, Mr. Atul Kumar Yadav from B.Tech (CSE), and Mr. Ashish Singh, also from B. Pharm. In the girls' category, the winners included Ms. Ishika Yadav, Ms. Iteeca Singh, and Ms. Stuti Bhardwaj from B. Pharm., Ms. Mohini Tomar from B. Com, and Ms. Anshika Sharma from B.Tech (CSE).

The event was efficiently organized by the Sports and Cultural Committee, and witnessed enthusiastic participation, reinforcing the institution's commitment to fostering a healthy, active, and spirited campus environment.



“Pharmacists are the guardians of safe medication use.”

— Janet Woodcock

Seminar on International Family Day

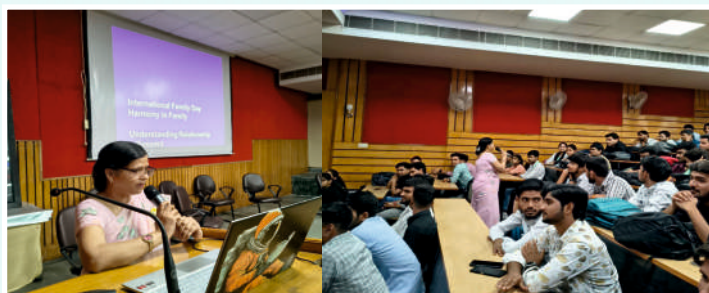
Sharda School of Pharmacy, Sharda University Agra, organized a thought-provoking seminar on 15th May 2025 to mark the occasion of International Family Day. The theme of the seminar was “Importance of Family in Modern Life”, highlighting the evolving yet vital role of families in shaping emotionally, socially, and morally balanced individuals.

The seminar was conducted under the dynamic and insightful leadership of Prof. (Dr.) Jayanthi Ranjan, Honourable Vice-Chancellor, Sharda University Agra, who has always emphasized the holistic development of students, not only academically but also socially and emotionally. Prof. (Dr.) Umesh Kumar Sharma, Dean, Sharda School of Pharmacy, encouraged the academic fraternity to reflect on the foundational importance of family structures in today's fast-paced world.

The keynote speaker for the session was Dr. Jyoti Kulshrestha, Assistant Professor, Sharda School of Business Studies, who addressed the audience with an engaging and emotionally resonant talk on how the modern generation can maintain strong familial bonds despite changing societal dynamics.

The event was smoothly coordinated by Dr. Rekha T. Rajput, Associate Professor, who served as the event In-charge along with the cultural committee, ensuring meaningful engagement and participation from students and faculty alike.

The event underlined Sharda School of Pharmacy's commitment to shaping not only competent professionals but also socially responsible and emotionally intelligent individuals.



."Pharmacists are not just drug dispensers; they are care providers."

— Richard Carmona

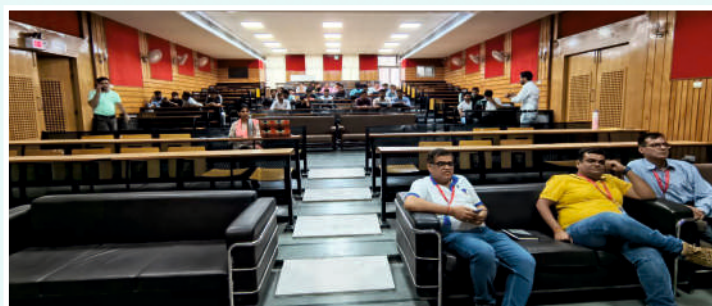
Expert Session on World Hypertension Day

Sharda School of Pharmacy, Sharda University Agra, organized an enlightening expert session on 16th May 2025 to commemorate World Hypertension Day. The session focused on two highly relevant public health themes: Hypertension in Developing Countries: Past, Present and Future and Childhood Obesity – A Growing Global Epidemic.

The event was conducted under the visionary leadership of Prof. (Dr.) Jayanthi Ranjan, Honourable Vice-Chancellor, Sharda University Agra, whose continued emphasis on academic enrichment and public health awareness formed the foundation of this event. Prof. (Dr.) Umesh Kumar Sharma, Dean, Sharda School of Pharmacy encouraged active academic participation in issues concerning global health challenges. Prof. (Dr.) Gyanendra Kumar Sharma, Assistant Dean, played a pivotal role as the Event In-Charge.

The session featured distinguished speakers from the medical and health sectors. Dr. Md. Kausar Neyaz, Ph.D., Founder and Managing Director of Aabir Bio-Services Foundation, addressed the audience with a comprehensive analysis of hypertension trends in developing countries, discussing its historical context, present status, and prospects. Dr. Meghna Hasmukh Panchal, MBBS, MD (Pediatrics), Founder and Director of FitFuture.insight.co, and Senior Pediatric Consultant at Fortis Hospital and Blessings Polyclinic, delivered an insightful talk on the escalating issue of childhood obesity, emphasizing its alarming global rise and the urgent need for intervention.

This expert session was organized by the Cultural Committee, Sharda School of Pharmacy, with the aim of raising awareness about lifestyle diseases and fostering preventive health education among students and faculty members.



“Being a pharmacist means being part of the solution, every single day.”

— Sandra Leal

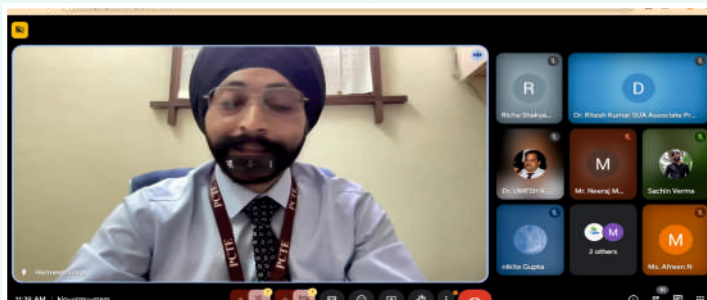
Sharda School of Pharmacy, Sharda University Agra Hosts Expert Session on *International Day for Biological Diversity*

Sharda School of Pharmacy, Sharda University Agra, organized an expert session on 22nd May 2025 titled “Harmony with Nature & Sustainable Development” on International Day for Biological Diversity.

The session was organized under the esteemed leadership of Prof. (Dr.) Jayanthi Ranjan, Honourable Vice-Chancellor, Sharda University Agra, whose continuous support promotes academic excellence coupled with environmental consciousness. The session was convened by Prof. (Dr.) Umesh Kumar Sharma, Dean, Sharda School of Pharmacy, who emphasized the role of pharmacy and allied sciences in promoting ecological health and sustainability.

The guest speaker for the session was Dr. Harmeet Singh, Professor and Head, Faculty of Pharmaceutical Sciences, PCTE Group of Institutes, Ludhiana, Punjab. His talk provided deep insights into sustainable development and emphasized actionable strategies to harmonize pharmaceutical progress with environmental conservation. The event was meticulously coordinated by Dr. Ritesh Kumar, Associate Professor and Head of the Department of Pharmaceutics, Sharda School of Pharmacy, who served as the event In-charge. The session witnessed active participation from faculty members, students, and academic staff.

The expert session organized by the Cultural Committee reflected the institution's enduring commitment to environmental awareness and global ecological responsibility. The discussions ignited critical thinking on biodiversity challenges and solutions, reinforcing the school's mission to nurture not just competent professionals but also environmentally responsible citizens.



"Without the pharmacist, there is no safe medicine."

— Thomas Menighan

Observed World No Tobacco Day 2025

The Sharda School of Pharmacy, Sharda University Agra, observed World No Tobacco Day 2025 with a thoughtful and impactful theme “Healthy Beginning, Hopeful Futures.” The program aimed to raise awareness about the adverse health effects of tobacco use and to encourage healthier lifestyle choices among students and the broader community.

The event was held under the visionary leadership of Prof. (Dr.) Jayanthi Ranjan, Honourable Vice-Chancellor, Sharda University Agra, whose continued guidance has been instrumental in fostering socially responsible and health-oriented educational initiatives across the university.

Prof. (Dr.) Umesh Kumar Sharma, Dean, Sharda School of Pharmacy emphasized the vital role of pharmacy professionals in public health promotion and the prevention of tobacco-related diseases. Prof. (Dr.) Gyanendra Kumar Sharma, Assistant Dean, Sharda School of Pharmacy, actively participated in the event alongside faculty members, staff, and students, ensuring enthusiastic engagement and community outreach.

The event was efficiently coordinated by Mr. Vikash Sharma, Assistant Professor, who served as the event In-charge. Organized by the Cultural Committee, the program featured two major segments Poster Presentation Competition and Awareness Rally within the campus, where participants carried placards and raised slogans to promote a tobacco-free lifestyle.

The observance of World No Tobacco Day at Sharda School of Pharmacy powerfully reinforced the institution's dedication to public health advocacy and educational outreach.



"Pharmacists help people live healthier, better lives."

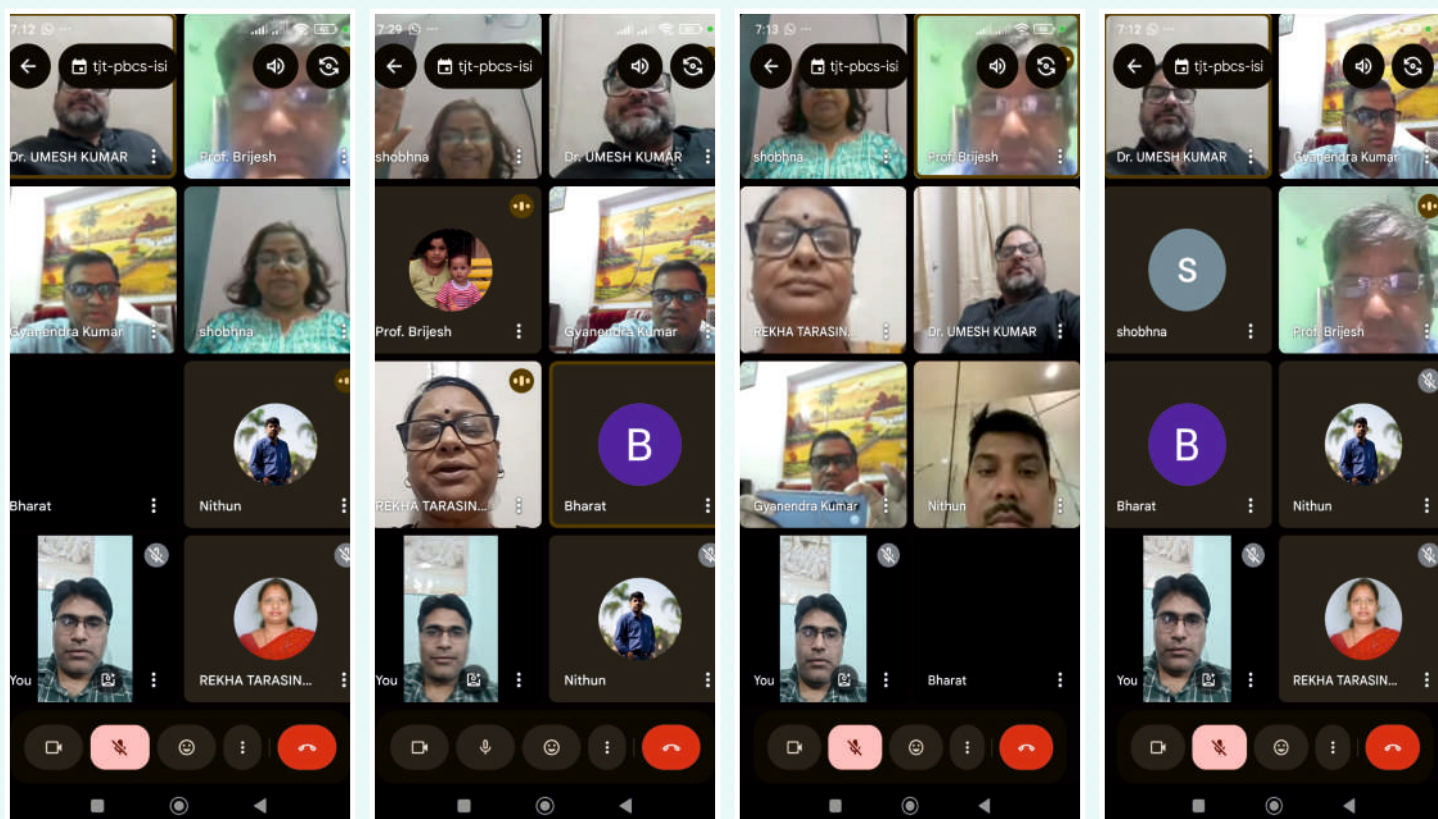
— Lucinda Maine

3rd Board of Studies Meeting

The Board of Studies meeting of the Sharda School of Pharmacy, Sharda University Agra, was convened on June 4, 2025, in Online Mode under the chairmanship of Prof. (Dr.) Umesh Kumar Sharma, Dean of the School. Internal academic members including Prof. (Dr.) Gyanendra Kumar Sharma, Dr. Rekha T. Rajput, Dr. Ritesh Kumar, Dr. Manish Pal Singh, Academic experts from outside institutions included Prof. (Dr.) Shobhna Singh from M.J.P. Rohilkhand University, Bareilly, Prof. (Dr.) Brijesh Kumar Tiwari, Head, Dept. of Pharmacy, Dr. B.R. Ambedkar University, Agra, and Dr. Nithun Saha, Director & Head, Formulation and Development, Difgen Pvt. Ltd., Hyderabad. Industry representatives Mr. Bharat Sharma from Mankind Pharma Ltd., Manesar, Gurgaon, and student members Mr. Ankush Marwah (M. Pharm. 1st Year) and Ms. Nikita Gupta (B. Pharm. 1st Year) were also present.

The meeting began with a discussion on implementing SWAYAM courses, where it was unanimously agreed that all students must enroll in at least one course per semester starting from the 2025–26 session to encourage digital and interdisciplinary learning. The proposal to launch an AI-enabled certification course from 2026–27 was welcomed, and a curriculum development committee will be formed in consultation with industry partners. The board also supported the introduction of soft skills and personal development classes across all programs, with sessions to begin next semester. The commencement of M. Pharm (Pharmaceutics) was approved, pending PCI clearance, with infrastructure and faculty deemed adequate. Lastly, the board recommended the compulsory admission of at least five full-time Ph.D. scholars in the upcoming batch, in line with UGC norms, to strengthen research initiatives.

The meeting concluded by Prof. (Dr.) Umesh Kumar Sharma, Dean who acknowledged the valuable contributions and guidance of all participating members and external experts.



“A pharmacist is the bridge between medicine and patient safety.”

— Michael R. Cohen

Dr. Ram Kumar Sahu

Visited

Sharda School of Pharmacy, Sharda University Agra

The Sharda School of Pharmacy, Sharda University Agra, had the privilege of hosting Dr. Ram Kumar Sahu, Associate Professor, Department of Pharmaceutical Sciences, Hemvati Nandan Bahuguna Garhwal University (A Central University), Tehri Garhwal, Uttarakhand on 11th June 2025. His visit aimed to foster academic collaboration, promote interdisciplinary research dialogue, and explore future avenues for institutional partnership. The event was held under the visionary leadership of Prof. (Dr.) Jayanthi Ranjan, Honourable Vice-Chancellor, Sharda University Agra, whose continued emphasis on academic exchange and research excellence continues to inspire such impactful interactions.

Prof. (Dr.) Umesh Kumar Sharma, Dean, Sharda School of Pharmacy, welcomed Dr. Sahu and highlighted the importance of collaborative research and academic networking between institutions of national repute. Prof. (Dr.) Gyanendra Kumar Sharma, Assistant Dean, Sharda School of Pharmacy, and other faculty members enthusiastically participated in the discussions and interactive sessions.

The visit was efficiently coordinated by Dr. Ritesh Kumar, Associate Professor & Head of Pharmaceutics Department and Mr. Vikash Kumar Sharma, Assistant Professor at Sharda School of Pharmacy, Sharda University Agra.

The visit of Dr. Ram Kumar Sahu was an enriching academic engagement and further reaffirmed the commitment of Sharda School of Pharmacy toward fostering national-level academic linkages and promoting excellence in pharmaceutical education and research.



“Pharmacists are often the last line of defense for patient safety.”

— Paul Abramowitz

Sharda School of Pharmacy, Sharda University Agra

Successfully Completed

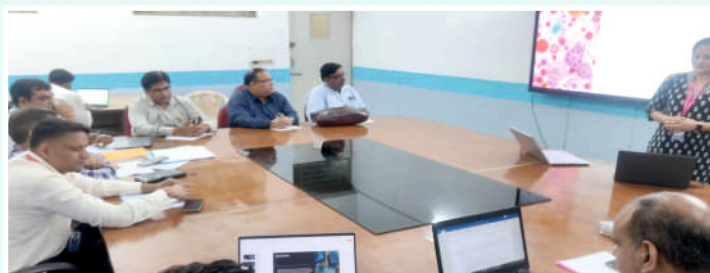
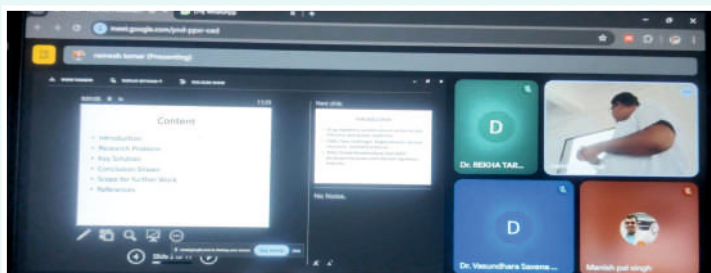
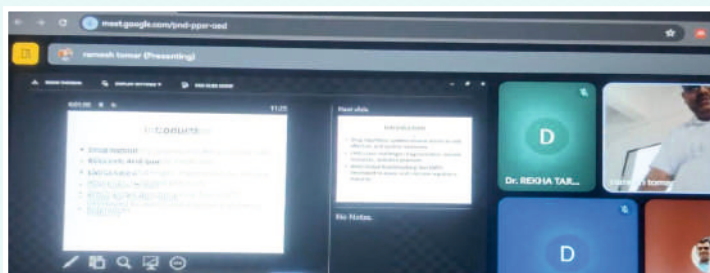
AIS Presentations of Ph.D. Scholars

Sharda School of Pharmacy, Sharda University Agra, witnessed an inspiring display of academic excellence with the successful completion of Advanced Independent Study (AIS) presentations by Ph.D. scholars on June 20, 2025. The event was held under the visionary leadership of Prof. (Dr.) Jayanthi Ranjan, Honourable Vice-Chancellor, Sharda University Agra, whose continued guidance has been instrumental in fostering a culture of research and innovation across the university.

The AIS session was conducted in hybrid mode and was chaired online by Prof. (Dr.) Umesh Kumar Sharma, Dean, Sharda School of Pharmacy. Adding to the academic rigor and collaborative spirit of the event was the presence of Prof. (Dr.) Bimal Kumar Sarkar, Dean, Research and Development, Sharda University Agra, whose active participation reaffirmed the institution's unwavering commitment to research excellence.

Each presentation was evaluated by a panel of esteemed members from the Departmental Research Committee (DRC), including Prof. (Dr.) Gyanendra Kumar Sharma, Assistant Dean, Sharda School of Pharmacy and Dean R&D Cell Nominee; Dr. Rekha T. Rajput, Head, Department of Pharmacognosy and Dean R&D Cell Nominee; Dr. Ritesh Kumar, Head, Department of Pharmaceutics; Dr. Manish Pal Singh, Head, Department of Pharmacology & SRC Coordinator; Dr. Prabhakar Vishvakarma, Associate Professor; and Dr. Vasundhara Saxena, Associate Professor.

The DRC panel provided in-depth reviews and valuable suggestions to each scholar, aimed at strengthening their research focus and academic contribution. The successful completion of the AIS presentations marked another significant milestone in the School's mission to advance research-led education. The event highlighted the university's dedication to promoting critical thinking, scientific inquiry, and scholarly excellence across all levels of academic engagement.



"Pharmacists are the unsung heroes of public health."

— Anthony Fauci

FACULTY ACHIEVEMENTS

MAY'25 – JULY'25

Prof. (Dr.) Umesh Kumar Sharma

Publications

Umesh Kumar Sharma (2025). Spatiotemporal biointeraction and morphodynamics of a gastro-retentive Saccharopolyspora-derived macrolide system in the vertebrate gut: A study on absorptive microecology and transit kinetics. J. Exp. Zool. India 28, 1743-1751. DOI: <https://doi.org/10.51470/jez.2025.28.2.0000>



Book Published

- **Sharma U.K.**, et al. AI Applications in Industrial Pharmacy, ISBN: 978-81-986560-6-3.
- **Sharma U.K.**, et al. Textbook of Research Methodology, ISBN: 978-81-986560-3-2.

Patent

- Indian design Patent Published, Application Number: 422814-001 Title: “Nano-Injector for Precision Subcutaneous Drug Delivery”
- Indian design Patent Published, Application Number: 454006-001 Title: “Smart AI Based Nanoparticle Drug Delivery Apparatus”.
- Filled Indian Design patent, Application Number: 454006-001, dated: 02/04/2025, Title: Smart AI-based Nanoparticle Drug Delivery.
- Filled Indian Design patent, Application Number: 466210-001, dated: 18/07/2025, Title: “Apparatus for Predicting Drug-Drug Interactions in Preclinical Models”
- Filled Indian Design patent, Application Number: 466210-001, dated: 18/07/2025, Title: “Apparatus for Predicting Drug-Drug Interactions in Preclinical Models”
- Filled Indian Design patent, Application Number: 465279-001, dated: 10/07/2025, Title: “AI-Based Mass Spectrometry Platform for Novel Drug Metabolite Profiling”.
- Filled Indian Design patent, Application Number: 468424-001, dated: 5/08/2025, Title: “AI-Enabled Molecular Structure Detection Device”.

Speaker For Conference

Presented poster on “Formulation and Evaluation of Kaemferol Containing Solid Dispersion for Oral Delivery”, International Conference on: Exploring The Frontiers of In-silico Drug Discovery: Trends, Challenges, And Opportunities" organized by the Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India on 27th & 28th April 2025.

“Pharmacy is not just a profession; it's a passion for service.”

— Ashok Soni

Prof. (Dr.) Gyanendra Kumar Sharma

Book Published

Dr. Vijay Sharma, **Dr. Gyanendra Kumar Sharma**, Dr. Alankar Shrivastav, Dr. Amit Kumar, Mr. Saurabh Singh. (2025). Shashwat Publication, A text book of Social and Preventive Pharmacy, ISBN: 978-93-6078-296-0, page no: 1-224.



Book Chapters

- Manish Pal Singh, **Gyanendra Kumar Sharma**, Rekha Tarasingh Rajput, Harsh Bhardwaj, M. Shamshath Begum, Himanshu Bhardwaj, and Gurvinder Pal Singh, Nanobotic Intelligence: Optimizing Nucleic Acid Delivery with AI, [Pharmaceutical Science & Technology](#), CRC Press, Taylor & Francis Group, In Production. **Hard ISBN: 9781998511846**
- Mahaveer Singh, Anasuya Patil, Ravindra Singh Tomar, **Gyanendra Kumar Sharma**, K. Lakshmi, and Vaibhav Dagaji Aher, Future Possibilities for Integrating AI with Nano-Carrier Technology, [Pharmaceutical Science & Technology](#), In Production. **ISBN: 9781998511846**
- Goutham Yerrakula, Nikhitha Shanmukhan, **Gyanendra Kumar Sharma**, Hemendra Gautam, Shabari Girinath Kala, Divyadharshini S., and Arun R. Obstacles to Combining Artificial Intelligence with Nanotechnology for Nucleic Acid Delivery, [Pharmaceutical Science & Technology](#), In Production **ISBN: 9781998511846**

Patent

Sharda University, Prof. (Dr) Umesh Kumar Sharma, **Prof. (Dr.) Gyanendra Kumar Sharma**, Dr. Manish Pal Singh, Mr. Gurvinder Pal Singh, Dr. Harsh Bhardwaj, Dr. Rehka Tarasingh Rajput, Nano Injector For Precision Subcutaneous Drug Delivery , Design No. : 422814-001, Date: 04/07/2024, Date of issue : 29/07/2025.

Faculty Development Programme

Participated in Faculty Development Program (FDP) on “Role of AI in Healthcare System” organized by School of Pharmaceutical Sciences, MVN University and sponsored by Indian Pharmacy Graduates' Association from July 21st to 25th, 2025.

"Pharmacy is the science of preparing and dispensing drugs — but also the art of patient understanding."

— Dr. Hubert H. Humphrey

Dr. Rekha Rajput

Publications

- Anasuya Patil, Mrynal Chamoli, Swati Khandelwal, **Rekha Tarasingh Rajput** et al., Herbal Nanotechnology: A Novel Approach in Designing Polyherbal Formulations for Diabetic Therapy, International Journal of Environmental Sciences, Vol. 11, No. 7s, 2025: 1126-1143, ISSN: 2229-7359. (Scopus)
- Anasuya Patil, Manish R Bhise, **Rekha Tarasingh Rajput**, Mohit Kumar, Sachin Balkrishna et al., Pharmacokinetic and Stability studies of lipid based nanoformulations of Antidiabetic drugs, International Journal of Environmental Sciences, Vol. 11, no. 06, 2025: 322-333, ISSN: 2229-7359.(Scopus)
- Ansuya Patil, Anjali Khantal and **Rekha Tarasingh Rajput** et. al., , “Green synthesis and Phytochemical analysis of a polyherbal formulation for Diabetes mellitus”., Journal of Neonatal Surgery, Vol. 14, Issue 8, 2025: 259-267, E-ISSN: 2226-0439.(Scopus)
- **Rekha Tarasingh Rajput**, “Phytochemical Synergy: Anti-inflammatory and Antioxidant effects of *Panax ginseng*, *Ginkgo biloba* and *Astragalus membranaceus*, European Journal of Pharmaceutical and Medical Research, Vol. 12(6)



Patent

- Indian Patent: Multi-effect Hair care kit, Application No.: 202511036982A, Publication Date: 02/05/2025
- U K Design Patent Granted: Medical Apparatus for Nanoparticle Drug Delivery, Design No.: 6454431, Grant date: 18th July 2025.
- U K Design Patent Granted: Laboratory Equipment for Isolation of Terpenoids from essential oils., Design No.: 6456323, Grant date: 8th July 2025.

Book Publications

- **Dr. Rekha Tarasingh Rajput**, Dr. Naveen Khatri, Dr. Kamla Kant, Dr. Pankaj Agrawal and Dr. Subhrajit Mantry, Sustainable Sourcing of Medicinal Plants Challenges and Innovations, ISBN: 978-81-976375-1-3, Published and printed by: Scientica Research Pharmakon Private Limited, Agra. 17/05/2025
- Dr. Vivekanand Katare, **Dr. Rekha Tarasingh Rajput**, Mr. Narendra Singh Solanki, Dr. Rajesh Kumar Sharma, Text book of Pharmacognosy- and Phytochemistry-I, ISBN: 978-93-6087-690-6, Shashwat Publication, Bilaspur, Chhattisgarh, Date of Publication: 17/06/2025.

Faculty Development Programme

- Smart Research for the Digital Age: Mastering Grant Proposal, High Impact Scopus, Patents and AI-Driven Excellence, organised by Sardar Patel College of Pharmacy, Vidhyanagar, Gujarat, from 7th to 12th April-2025.

"A good pharmacist knows the formula. A great pharmacist knows the patient."

— Anonymous Pharmacist Quote

Dr. Ritesh Kumar

Publications

- Patil A., Bhise M. R., Rajput R. T., Kumar M., Somwanshi S. B, Kumar P., Samiuddin, **Kumar R***, 2025, Pharmacokinetic and Stability Studies of Lipid-Based Nanoformulations of Antidiabetic Drugs. International Journal of Environmental Sciences, 11 (6), pp. 322-333.
- Saroj B. K., Kawade R. M., Umadevi A., Sharma S., Mehta S. L., **Kumar R.**, Sahu S. N., Sahu T. K., 2025, Investigation of Phytochemical Screening and Anti-Diabetic Activity of Bombax Ceiba (flower). The Bioscan, 20(3), pp. 85-94. doi: 10.63001/tbs.2025.v20.i03.pp85-94.
- Ankalikar A. A., Ronad P. M., Menasinakai A. S., Singh A. K., Babu L., **Kumar R.***, Jabi B. and Sharma A., 2025, Evaluation of the Hepatoprotective and Antioxidant Potential of Murraya Paniculata Methanolic Extract against Lipopolysaccharide-Induced Oxidative Stress and Hepatic Injury in HEPG2 Cells. Journal of Experimental Zoology-India, 28(2), pp. 1733-41. doi: 10.51470/jez.2025.28.2.1733.
- Thareja R., Tiwari Y., Kothari L. P., Somasundaram J., Srivastav Y., Borkar D. P., Chouhan A. and **Kumar R.**, 2025, Development and Characterization of Gastroretentive Floating Drug Famotidine. Journal of Neonatal Surgery, 14 (32s), pp. 5632-5641.



Patent

- UK Design Patent title “Moisture Detection Apparatus for Use with Concrete” is registered successfully, Design No.- 6446198, Registration date- 22 May 2025, Grant date- 02 June 2025, in class 10-05.
- UK Design Patent title “Multi-Phase Nanoformulation Computer Device for Personalized Cancer” is registered successfully, Design No.- 6455251, Registration date- 04 July 2025, Grant date- 09 July 2025, in class 14-02.
- Indian Patent published on “Comparative Efficacy of Proton Pump Inhibitors (PPIs) vs. H2-Receptor Antagonists in Peptic Ulcer Healing” Application No.-202511050064 A, Filing date- 24/05/2025 and Publication date- 13/06/2025, Issue No. 24/2025.
- Indian Patent published on “Development of Nanocarriers for Targeted Delivery of Methotrexate in the Treatment of Rheumatoid Arthritis” Application No.202541066195 A, Filing date- 11/07/2025 and Publication date- 18/07/2025, Issue No. 29/2025.

Book Publications

- Kumar, R.** et al. Text Book of Industrial Pharmacy- II, Shashwat Publication, Bilaspur, Chattisgarh, India, 2025, ISBN: 978-93-6087-640-1.
- Kumar, R. et al. Text Book of Modern Pharmaceutics, Shashwat Publication, Bilaspur, Chattisgarh, India, 2025, ISBN: 978-93-6087-935-8.

Book Chapter Publication

- Kumar, R.** Computers in Pharmaceutical Research and Development, Chapter- 1, In: Computer Aided Drug Development, Nexus Knowledge Publication, Imprint of AKT Multitask Consultancy, Bilaspur, Chhattisgarh, India, 2025; pp. 1-49, ISBN: 978-81-985724-6-2. <https://doi.org/10.5281/zenodo.15826866>.

"The role of the pharmacist continues to evolve, becoming more patient-centered each day."

— Lucinda Maine

- **Kumar, R.** Quality-By-Design (QBD) in Pharmaceutical Development, Chapter- 2, In: Computer Aided Drug Development, Nexus Knowledge Publication, Imprint of AKT Multitask Consultancy, Bilaspur, Chhattisgarh, India, 2025; pp. 50-96, ISBN: 978-81- 985724-6-2. <https://doi.org/10.5281/zenodo.15826866>.

Faculty Development Programme

- Participated and completed One Week Online Faculty Development Program on “Process Optimization in Pharmaceutical Manufacturing” Organized by Department of Pharmaceutics and Industrial Pharmacy, Vijaya College of Pharmacy, Munganoor, Hyderabad, Telangana in collaboration with Association of Community Pharmacist of India from 07th - 13th July, 2025.
- Participated in the five day Faculty Development Program over the theme “Bridging the Gap: Industry-Academic Collaboration”; organized by Institute of Pharmacy, Shri Ramswaroop Memorial University (SRMU), Lucknow, from 15th -19th July, 2025.
- Attended One Week Faculty Development Program on the theme of “Role of AI in Healthcare System” organized by MVN University, Palwal, in collaboration with Indian Pharmacy Graduate Association from 21st to 25th April, 2025.

Presentation at International Conference

- **Kumar R.** “AI- Powered Drug Discovery and Personalized Medicine” 24th International Medical, Pharmaceutical, Cosmeceutical, and Health Science Symposium (iMPaCHS) with the theme “Integrating AI and Digital Therapeutics: Advancing Patient- Centric Healthcare” at Management and Science University (MSU), Malaysia, on 3rd July 2025.
- Singh K. and **Kumar R.** “Optimizing Gastric Drug Retention through Novel Strategies for Peptic Ulcer Therapy” 24th International Medical, Pharmaceutical, Cosmeceutical, and Health Science Symposium (iMPaCHS) with the theme “Integrating AI and Digital Therapeutics: Advancing Patient-Centric Healthcare” at Management and Science University (MSU), Malaysia, on 3rd July 2025.
- Singh A. P. and **Kumar R.** “Nose to Brain Drug Delivery: A Revolution in CNS Therapeutics” 24th International Medical, Pharmaceutical, Cosmeceutical, and Health Science Symposium (iMPaCHS) with the theme “Integrating AI and Digital Therapeutics: Advancing Patient-Centric Healthcare” at Management and Science University (MSU), Malaysia, on 3rd July 2025.

Award

International Researcher Best E-Poster Presenter Award for the title “Integrating AI and Digital Therapeutics: Advancing Patient-Centric Healthcare” at the 24th International Medical, Pharmaceutical, Cosmeceutical, and Health Science Symposium (iMPaCHS) with the theme “Integrating AI and Digital Therapeutics: Advancing Patient-Centric Healthcare” held at Management and Science University (MSU), Malaysia, on 3rd July 2025.

Webinar

Participated in the International Webinar on “The Pharmacist Role beyond the Counter: Mastering Survey Tools and Elderly Patient Care” Organized by Chettinad School of Pharmaceutical Sciences, Chettinad Academy of Research and Education, Chennai in association with Faculty of Pharmacy, AIMST University, Kedah, Malaysia, on 2nd July 2025.

Dr. Manish Pal Singh

Publications

- Sandeep Rathor, Prerna Rana, Rishi Pal, Aman Sharma, **Manish Pal Singh**, Mayank Joshi and Yogesh Vashisth, Exploring the Potential Role of Phospholipid Complexes in Drug Delivery Systems for Enhanced Applicability, Current Pharmaceutical Biotechnology, 2025, DOI: 10.2174/0113892010353686250413171451 (Accepted/Published by Bentham Science; SCIE/PUBMED/ Scopus Indexed ; IF- 2.4;Cite Score 5.6).
- Tushar Parija, Vikash Kumar, Sumit Gupta, **Manish Pal Singh**, Sandeep Rathor, Artificial Intelligence-Powered Drug Delivery Systems: A Paradigm Shift in Pharmaceutical Efficacy and Targeting, Current Pharmaceutical Biotechnology, 2025, DOI: 10.2174/0113892010330974241219065631 (Accepted/Published by Bentham Science; SCIE/PUBMED/ Scopus Indexed ; IF-2.4; Cite Score 5.6)



Dr. Prabhakar Vishwakarma

Publications

- Munesh Mani, Preeti Shrivastava, Koppula Maheshwari, Anu Sharma, Trishna Mani Nath, Farhad F Mehta, Bishal Sarkar and **Prabhakar Vishwakarma*** (2025) Physiological and behavioural response of guinea pig (*Cavia porcellus*) to gastric floating *Penicillium griseofulvum*: An in vivo study. J. Exp. Zool. India 28, 1647. DOI: <https://doi.org/10.51470/jez.2025.28.2.0000>
- Sarvesh Kumar, M. Manoyogambiga, Shalu Attar, Kiranjeet Kaur, Narpat Singh, Shilpy Shakya, Naveen Sharma and **Prabhakar Vishwakarma*** (2025) Experimental evaluation of hepatorenal and hematopoietic system responses to *Solanum xanthocarpum* in *Rattus norvegicus*: A vertebrate organ-level study. J. Exp. Zool. India 28, 1681. DOI: <https://doi.org/10.51470/jez.2025.28.2.0000>
- Sambit Kumar Parida, **Prabhakar Vishwakarma**, Amol Dagdu Landge, Yasmin Khatoon, Naveen Sharma, Subham Kumar Dogra, Farhad F Mehta and Umesh Kumar Sharma (2025) Spatiotemporal biointeraction and morphodynamics of a gastro-retentive Saccharopolyspora-derived macrolide system in the vertebrate gut: A study on absorptive microecology and transit kinetics. J. Exp. Zool. India 28, 1743. DOI: <https://doi.org/10.51470/jez.2025.28.2.000>
- Deepti Bhagchandani, Shriyanshi, Fahmeeda Begum, Rangiseti Chandra Sushma, Sazedur Rahman Akanda, Sailesh Narayan, Kumari Sonu and **Prabhakar Vishwakarma***, “Exploring the Hepatoprotective Synergy of Humulus Lupulus and Silymarin in Mitigating Liver Damage”, Biochem. Cell. Arch. Vol. 25, No. 1, pp. 915-919, 2025, DOI: <https://doi.org/10.51470/bca.2025.25.1.915>



“All drugs are poisons; the benefit depends on the dosage.”

— Galen

- **Prabhakar Vishvakarma**, Jaspreet Kaur, Gunosindhu Chakraborty, Dhruv Kishor Vishwakarma, Boi Basanta Kumar Reddy, Pampayya Thanthathi, Shaik Aleesha and Yasmin Khatoon (2025) Nephroprotective potential of Terminalia arjuna against cadmium-induced renal toxicity by in-vitro study. J. Exp. Zool. India 28, 939-944. DOI: <https://doi.org/10.51470/jez.2025.28.1.939>

Patent

- Smart AI based Nanoparticle Drug Delivery, Indian Design Patent Application Number: 454006-001 (Certificate Issued)
- Apparatus for Predicting Drug-Drug Interactions in Preclinical Models, Indian Design Patent Application Number: 466210-001 (Applied)
- Automated Pharmacokinetic Simulation and Testing Unit, Indian Design Patent Application Number: 464833-001 (Applied)
- AI-Based Mass Spectrometry Platform for Novel Drug Metabolite Profiling, Indian Design Patent Application Number: 463702-001 (Applied)
- AI-Powered HPLC System for Predictive Retention Time Estimation, Indian Design Patent Application Number: 463497-001 (Applied)
- AI-Based Nanoparticle Synthesizer for Controlled Release Formulations, Indian Design Patent Application Number: 462175-001 (Applied)
- Deep Learning-Based Drug-Drug Interaction Analyzer, Indian Design Patent Application Number: 461467-001 (Applied)
- AI-Powered 3D Printing Apparatus for Custom Oral Dosage Forms, Indian Design Patent Application Number: 461882-001 (Applied)

Conference

- Presented poster on “Formulation and Evaluation of Kaemferol Containing Solid Dispersion For Oral Delivery”, International Conference on: Exploring The Frontiers of In-silico Drug Discovery: Trends, Challenges, And Opportunities" organized by the Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India on 27 & 28 April 2025.

Faculty Development Programme

- Participant in One Week National Level e-FDP 4.0 on PPAI-2K25 from 7th to 12th July 2025 Organized by the Department of Pharmacognosy in association with CEP Unit, Shri Venkateshwara College of Pharmacy, Puducherry on topic “Pharmacognosy and Phyto formulation in Modern Era: Bridging the gap between Academia and Industry”.
- Participant in Five Days National Level FDP on "Artificial Intelligence, Big Data Analytics, and Cloud Computing for Digital Transformation" from 23 June to 27 June 2025, organizer by Sr A.C.T Academy, Kerala.
- Participant in Five Days Faculty Training & Development Program (FTDP) on “Artificial Intelligence for Academicians” organized by Sharda School of Business Studies, Sharda University Agra, from 30th May to 3rd June 2025.
- Participant in 5 Day National Level FDP (virtual mode) on "Artificial Intelligence, Big Data Analytics, and Cloud Computing for Digital Transformation" on 23 June to 27 June 2025 Organized by A.C.T Academy Kerala, & Tamil Nadu.

"Medicine heals doubts as well as diseases."

— Karl Marx

Dr. Vasundhara Saxena

Publications

Vasundhara Saxena, Sushil Giri, Goldee Yadav, Anushka Verma, Sayantan Datta, Sulakshana Pal Singh. (2025). Characterization and pharmacological evaluation of β -lactone derivative with novel functional groups from *macrotyloma uniflorum*. Journal of pharmaceutical analysis, 243–255.



Dr. Gurvinder Pal Singh

Book Published

Dr. Gaurav Deep Singh, **Dr. Gurvinder Pal Singh**, Prof. Shruti Chandrakant Sonawane, Dr. Ashish Balasaheb Jadhav, Milind B. Kshirsagar. (2025). Shashwat Publication, Text Book of Instrumental Methods of Analysis. ISBN : 978-93-6087-715-6



Faculty Development Programme

Attended One Week Faculty Development Program on the theme of “Role of AI in Healthcare System” organized by MVN University, Palwal, in collaboration with Indian Pharmacy Graduate Association from 21st to 25th April, 2025.

Dr. Gaurav Singh Sikarwar

Faculty Development Programme

Successfully participated in a One Week Online Faculty Development Program on “Process Optimization in Pharmaceutical Manufacturing”, organized by Department of Pharmaceutics and Industrial Pharmacy, Vijaya College of Pharmacy, Hyderabad in collaboration with Association of Community Pharmacists of India (ACPI-TS) during 07th July – 13th July, 2025.



Publication

Sikarwar, Gaurav Singh; Porwal, Prateek; Singh, Shailendra; Gupta, Prakhar; Kumar, Rohit. A Comprehensive Review on Natural Polymers Used for the Formulation of Pharmaceutical Dosage Forms. JETIR, July 2025, Volume 12, Issue 7, ISSN 2349-5162.

Book Published

Sikarwar, Gaurav Singh. Text Book of Pharmaceutics According to Latest Syllabus of B. Pharm – 1st Semester of Pharmacy Council of India. Shaswat Publications, 2025.

Mr. Vikas Sharma

Faculty Development Programme

Attended One Week Faculty Development Program on the theme of “Role of AI in Healthcare System” organized by MVN University, Palwal, in collaboration with Indian Pharmacy Graduate Association from 21st to 25th April, 2025.



Ms. Afreen N

Book Chapter Publication

Afreen, N., & Gupta, R. (2025). Role of generative AI in healthcare. In R. Kumar & A. Bhatia (Eds.), An ease of listening and learning: Healthcare with machine learning. Cambridge Scholars Publishing. ISBN 1-0364-4943-2.



Faculty Development Program

Successfully participated in a One Week Online Faculty Development Program on “Process Optimization in Pharmaceutical Manufacturing” organized by Department of Pharmaceutics and Industrial Pharmacy, Vijaya College of Pharmacy, Hyderabad in collaboration with Association of Community Pharmacists of India (ACPI-TS) during 07th July – 13th July, 2025.

Short Term Training Program

- Successfully participated in the Collaborative Online Training Program on “Cultivating Happiness in Workplace”, organized by National Institute of Agricultural Extension Management (MANAGE), Hyderabad; Amity Institute of Organic Agriculture, Amity University Uttar Pradesh (AUUP), Noida; and Amity University Rekhi Foundation Centre for Science of Happiness during 14th – 16th May, 2025.
- Successfully completed UGC-sponsored One-Week Online Short Term Programme on “Innovative Teaching: e-Content Development, Artificial Intelligence & Online Pedagogy”, organized by: UGC-MMTTC, Guru Jambheshwar University of Science & Technology (GJUS&T), Hisar, under the Malaviya Mission Teacher Training Programme (MMTTP), during 07th July – 12th July, 2025.

Course

- Successfully completed the course “Introduction to Cybersecurity” offered by Sharda University Agra through the Cisco Networking Academy program on 19th May 2025.

Webinar

- Actively participated in the 94th SPSR Webinar on “Nanotechnology-based Colon Targeted Drug Delivery: A New Paradigm in Pharma Research”, organized by Society of Pharmaceutical Sciences and Research (SPSR) on 6th July, 2025

"Each patient carries his own doctor inside him."

— Norman Cousins

Mr. Neeraj Madhuria

Conference

Participated as a Presenter in the International Conference on “Intellectual Property Rights” organized by Wegrow Pvt Ltd held at Taj Hotel Mumbai on 13th July 2025.

Awards

Got Best IP Research Award 2025 From Bakliwal Foundation College of Arts ,Commerce and Science Vashi in association with Wegrow Pvt Ltd in recognition of outstanding contribution and excellence in IP research, on 11th July 2025.

Workshops

- Attended As a Guest of Honour in one day National Workshop on “Indian Innovation and Problem Statements” organized by Reena Metha College of Arts, Science , Commerce and Management studies in Mumbai in association with Wegrow Pvt Ltd, on 12-07-2025 at RMC Campus, Mumbai.



Ms. Gunjan Sharma

Publication

Sharma Gunjan, Mamta, Tyagi Priyanka, Upasna, Mishra Amiyakanta. Optimization and in- vitro evaluation of cisplatin-loaded chitosan nanoparticles against lung cancer cell lines. Journal of Neonatal surgery, vol. 14, 2025.

Faculty Development Program

Attended Faculty Development Program on Navigating The Right Journals: The research-based approach, Dept. of Management (BBA), Arka Jain University, Jharkhand, 17th -23th June 2025.

Workshops

- Attended Wadhwani foundation training program organized by Sharda University on 23rd – 25th July 2025.
- Received an award for maintaining a healthy BMI during Yoga Celebration Week 2025, organized by Sharda University Agra.

Webinar

- Attended International Webinar on “Management of Common Skin Conditions and Ailments in the Community Pharmacy organized International Pharmaceutical Federation (FIP) by on 31 July, 2024.
- Attended International Webinar on “Management of Common Skin Conditions and Ailments in the Community Pharmacy organized International Pharmaceutical Federation (FIP) by on 4 July, 2025.



Mr. Umakant Singh

Conference

Participated as a delegate in the INSPIRE Conference Series-1 on Regulatory Pathways for Drug Approvals: Emerging Trends and Innovation; held on 2nd May 2025, organized by the College of Pharmacy, JSS University, Noida.



Faculty Development Programme

- Attended Faculty Development Programme on “Role of AI in Healthcare System” organized by MVN University, Palwal, Haryana, 21st July -25th July, 2025.
- Attended Faculty Development Programme on “Navigating the right journals: The research-based approach” organized by Arka Jain University, Jharkhand, 17th June - 23rd June, 2025

Webinar

- Attended Webinar on “The evidence is clear: Invest in prevention” jointly organized by JSS University Noida, University of Kashmir and APTI-J&K state branch on 6th July, 2025.

Mr. Saurabh Bhardwaj

Patent

Utility Patent Title: AI-Enabled Automated Healthcare Diagnosis and Treatment Planner, Application No.202541045925 A, Date of filing of Application: 13/05/2025; Publication Date: 06/06/2025.



Webinar

Participated in One-Day Webinar held on the occasion of the International Day against Drug Abuse and Illicit Trafficking by JSS University, Noida on June 26, 2025.

Ms. Richa Shakya

Faculty Development Programme

- Attended E-Faculty Development Programme on “Artificial Intelligence Enabled Pharmaceutical Research: From Drug Discovery to Clinical Trials” 26th -30th May 2025.
- Attended 3 days International Faculty Development Program (FDP) on Fostering Innovations In Pharmaceutical Research And Their Ip Protectionse Organized by Faculty Of Pharmaceutical Sciences; Rama Institute Of Pharmacy, Rama University, Kanpur, From 21st -23rd July 2025.



“Time is generally the best doctor.”

— Ovid

Workshops

- Attended Workshop on “Introduction to Cybersecurity” organized by Sharda University Agra through the Cisco Networking Academy program.
- Attended National Online Workshop on “Molecule to Medicine: Discover, Develop, Deliver-the Science of Drug Innovation” 14th June 2025.

Webinar

- Attended 94th SPSR Webinar on 'Nanotechnology based colon targeted drug delivery: A new paradigm in Pharma research “; organized by the Society of Pharmaceutical Sciences and Research (SPSR) on 6th July 2025.
- Attended 91st SPSR Webinar on “Pharmacovigilance in Clinical Practice: Importance of ADR Reporting and Patient Safety” organized by the Society of Pharmaceutical Sciences and Research (SPSR) on 8th June 2025.

Mrs. Kamini Kumari

Faculty Development Programme

- Certificate awarded for completing “E-FDP - Artificial Intelligence Enabled Pharmaceutical Research: From Drug Discovery to Clinical Trials held from 26th May 2025 to 30th May 2025, organized by Amity Institute of Pharmacy, Amity University Uttar Pradesh, Lucknow Campus.
- “Role of AI in Healthcare System,” held from July 21st to 25th, 2025, and for contributing to its successful completion, School of Pharmaceutical Sciences, MVN University, Palwal



Mr. Sachin Verma

Faculty Development Programme

- Attended One Week Faculty Development Program on the theme of “Role of AI in Healthcare System” organized by MVN University, Palwal, in collaboration with Indian Pharmacy Graduate Association from 21st to 25th April, 2025.



Workshops

- Participated in Short Course “Explore in Bioinformatics” on 11th July 2025.

"The science of today is the technology of tomorrow."

— Edward Teller

EDITORIAL TEAM



DR. RITESH KUMAR
(Asso. Prof. and Head of
Pharmaceutics Dept.)



MS. AFREEN N
(Asst. Prof.)



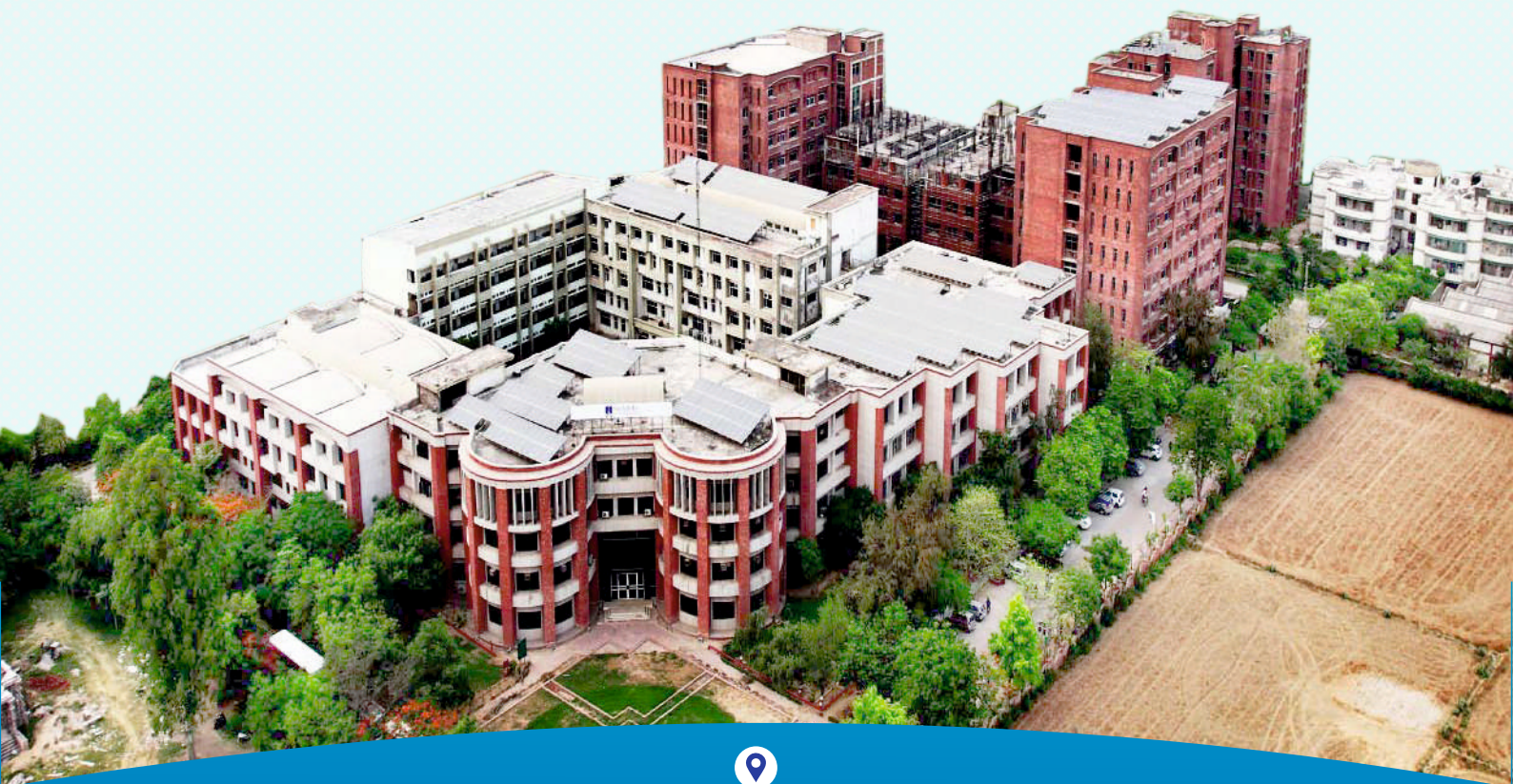
MR. NEERAJ MADHURIA
(Asst. Prof.)



MR. DHARA SINGH
(Creative Designer)

"With great power comes great responsibility."
— Voltaire (often misattributed to Spider-Man)

Thank You



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“Success is not the key to happiness. Happiness is the key to success.”

— Albert Schweitzer