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Glimpses of Current Issue.....





Biodegradable Innovations in Pharmaceuticals
Prof. (Dr.) Harsha Kharkwal
Director - Amity Institute of Phytochemistry and Pharmaceutics (AIP&P)
Coordinator - Amity Center of Carbohydrate Research (ACCOR), Amity University Uttar Pradesh, Noida, India

FRIDAY, 19 SEPTEMBER 2025 | TIME: 3:00PM - 4:00PM

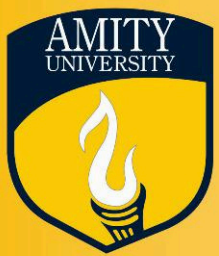
<p>CONVENERS</p>  <p>Dr. Havagiray R. Chitme Head of Institute, Amity Institute of Pharmacy</p>  <p>Dr. Tanveer Naved Associate Professor, Health & Well-Being Sciences Domain</p>	<p>COORDINATORS</p>  <p>Dr. Shikha Saxena Assistant Professor, Amity Institute of Pharmacy</p>  <p>Dr. Prakash Haloi Associate Professor, Amity Institute of Pharmacy</p>
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Highlights of Current Issue.....

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Congratulations to all the Stakeholders



18

**NIRF Ranking 2025
Pharmacy Category**



AMITY INSTITUTE OF PHARMACY
AMITY UNIVERSITY, NOIDA CAMPUS

Invited Guest Editorial

Cardiac Aging: Prediction, Molecular Mechanisms and Therapeutic Interventions



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Globally, cardiovascular diseases (CVDs) are the leading cause of death. In 2022, about 19.8 million people died from CVDs, representing approximately 32% of all global deaths. In India, CVDs account for one in every four deaths. CVDs are due to cardiovascular dysfunctions and heart damage. CVDs and cardiac aging are interconnected. Aging of heart and blood vessels is a central risk for major cardiovascular conditions. Gradual anatomical, molecular, and functional alterations in the aging heart reduce cardiac functions and raise the risk of cardiovascular disorders. Pharmaceutical scientists should focus on understanding the molecular mechanisms driving heart aging using multiomics techniques and AI, and must focus on developing newer cardio-therapeutics because the global population is aging rapidly.

Prediction of Cardiac Aging

Cardiac aging can be predicted using conventional SCORE scale and AI tools. SCORE scale uses factors like age, sex, blood pressure, cholesterol, and smoking to predict 10-year risk, however this prediction system has limitations as it does not take CVS functions into consideration. Imaging & cardiac functions biomarkers (Echocardiography, cardiac MRI/PET Scan, CT calcium score), molecular biomarkers in plasma (IL-1 β , IL-6, hs-CRP, NT-proBNP, hs-TnT, GDF15 and IGFBP7), genetic biomarkers (GWAS, epigenetic markers) and computational tools (ECG/echo/clinical data, deep learning). These tools are good to assess the biological, rather than just chronological age of the heart. Accurate prediction of cardiac aging can help in early identification of individuals at risk for cardiovascular diseases and discovery of personalized therapy.

Molecular Mechanisms of Cardiac Aging

A decrease in the number and functions of cardiomyocytes are hallmarks of cardiac aging at the cellular level. One of the main causes of these alterations is oxidative stress. Oxidative damage to proteins, lipids, and DNA is caused by an excess of reactive oxygen species (ROS) and a decrease in antioxidant defense system in cardiomyocytes. Reduced ATP synthesis and contractile dysfunction result from this imbalance, which affects mitochondrial activity, a crucial factor in cardiac energy metabolism. Age-related mitochondrial DNA mutations exacerbate cellular damage and enhance apoptosis.

Another characteristic of cardiac aging is cellular senescence. The senescence-associated secretory phenotype (SASP) is characterized by the loss of senescent cell division and the release of pro-inflammatory cytokines, chemokines, and proteases. These chemicals promote fibrosis and persistent inflammation, a process known as "inflammaging." In addition to harming cardiac tissue, chronic inflammation changes the remodeling of the extracellular matrix, which makes the heart more rigid and hinders diastolic relaxation. A further significant contributor is telomere shortening, which is a normal byproduct of repeated cell division. The regeneration ability of cardiac tissue is diminished by shorter telomeres, which also cause cellular senescence and DNA damage responses. Additionally, cardiomyocytes failure is promoted by defective autophagy, which hinders the effective clearance of misfolded proteins and damaged organelles. The function of epigenetic modifications, including as modifications in DNA methylation and microRNA expression, in controlling genes related to metabolism, oxidative balance, and stress response has also been brought to light by recent studies. These processes work together to promote cardiac aging by producing a self-reinforcing cycle of damage and ineffective repair.

Therapeutic Interventions and Emerging Strategies

Several pharmacological and life style modification strategies have shown promise in reducing cardiac aging. Since cardiac aging is complicated, treatment strategies focus on a number of interrelated mechanisms. Senolytics (dasatinib, quercetin, Bcl inhibitors), mTOR inhibitor (rapamycin), SGLT2 inhibitors, ACE inhibitors, angiotensin receptor blockers, metformin, PAI-1 Inhibitors, Peptides (GHRP-6), and natural antioxidants/anti-inflammatory agents (curcumin, resveratrol, and coenzyme Q10) are potential therapeutics to reduce aging due to cardiac pathology. In order to neutralize ROS and restore redox balance, antioxidant therapies have been at the forefront of research. Natural substances that have shown promise in promoting mitochondrial biogenesis and lowering oxidative damage include curcumin, resveratrol, and coenzyme Q10. Their role as supplements to healthy aging is still promising, despite the fact that clinical results are still inconsistent. In experimental models, the ability of calorie restriction (CR) and its pharmaceutical mimics, such as rapamycin and metformin, to alter nutrient-sensing circuits and prolong lifespan has drawn interest. By activating sirtuins (SIRT1) and AMP-activated protein kinase (AMPK), these substances enhance mitochondrial function, decrease inflammation, and encourage autophagy. The potential of sirtuin activators, such as nicotinamide riboside and SRT compounds, to postpone vascular and cardiac aging is presently being studied. The creation of senolytics, or medications that specifically destroy senescent cells, is another cutting-edge therapeutic approach. By enhancing heart function and vascular reactivity, compounds like dasatinib, quercetin, and fisetin have demonstrated promising preclinical outcomes. Although more research is needed to confirm its clinical viability, stem cell therapy and gene-editing technologies are also being investigated to revitalize aged cardiac tissue. Interventions that don't use drugs are nonetheless very important. By enhancing endothelial function, fostering mitochondrial health, and lowering systemic inflammation, regular aerobic exercise, a healthy diet, and stress management all contribute to increased cardiac resilience. These benefits are further enhanced by nutraceuticals high in vitamins, polyphenols, and omega-3 fatty acids.

Role of Pharmacists in Addressing Cardiac Aging

Pharmacists have a special opportunity to influence this changing environment. As specialists in medications, they are essential to geriatric pharmacotherapy, which makes sure that cardiovascular medications are used safely and effectively in older persons, who are frequently at risk for polypharmacy and negative drug interactions. In addition to their clinical work, pharmaceutical scientists involve in formulation development, and research to find new cardioprotective drugs and improve treatment plans. Pharmacists can spread awareness and encourage preventive measures that postpone the onset of CVDs through patient education and lifestyle counseling. By working together with researchers and physicians, they can reduce the gap between molecular discoveries and actual patient outcomes, thus improving life quality and lifespan.

In conclusion, a complicated interaction between genetic predisposition, environmental factors, and molecular degradation characterizes cardiac aging. Even though it is an unavoidable process, specific therapeutic interventions, lifestyle modification, and ongoing scientific advancement can slow its course. Our goal as pharmacy professionals goes beyond simply manufacturing and selling medications; it also includes a dedication to improving cardiovascular health by research, education, and developing preventive strategies.

By expanding our knowledge of the molecular causes of cardiac aging and investigating new pharmacological treatments, we can aim to prolong life instead of just add years to it, ensuring that the human heart is robust, flexible, and resilient well into old age. Pharmacists can help in keeping older adults on optimized medications, guideline-based therapies, risk factor detection & control, medication adherence, monitoring, and promoting preventive therapies to decrease the progression of cardiac aging, thereby reducing the burden of CVDs in the aging population.

Dr. Shyam S. Sharma

From the Desk of Editor-in-Chief



Amity Institute of Pharmacy, Noida, Uttar Pradesh, is a prestigious institution that offers education and training in the field of Pharmaceutical Sciences. The institute was founded in 2007 with a focus on research and innovation, aligning with the mission and vision of Amity University. At present, the institute provides a Bachelor of Pharmacy program with an intake of 100 students. Additionally, we offer a Master of Pharmacy program with specializations in Pharmaceutics, Pharmacology, Pharmaceutical Regulatory Affairs, Industrial Pharmacy, Pharmaceutical Chemistry, Pharmaceutical Analysis, Phytopharmacy & Phytomedicine. Furthermore, we also offer a rigorous & translational research-based Ph.D. program in Pharmaceutical Sciences. The institute is renowned for producing globally proficient, competent, and knowledgeable pharmacists who contribute to self-sufficient pharmaceutical companies and serve as practicing professionals. The institute has a robust network of over 8000 alumni who provide support and guidance to graduating pharmacists, helping them traverse the dynamic, demanding, diverse pharmaceutical industry with success. Our institute achieved the 18th rank in the National Institutional Ranking Framework (NIRF) 2025.

The quarterly AIP newsletter *Pharma Panorama* (ISSN 3049-0944) presents a comprehensive compilation of academic and curricular developments, teaching-learning activities, value-added courses, research outputs, intellectual property achievements, and other accomplishments of students and faculty during July-September 2025. The institute successfully organized Orientation Programme for the newly admitted students of the 2025-26 batch. A total of 100 B. Pharm students and 96 M. Pharm students were taken admission in AIP. The event aimed at welcoming the freshers and familiarizing them with the academic environment, institutional values, and various facilities available on campus.

A substantial number of papers are published by students and faculty members in indexed journals with good impact factors, and they have also submitted patents to the Indian patent office. Fourteen funded research projects from various agencies like Ayush, CCRUM etc are ongoing. Two Ph. D. Scholars successfully defended their thesis work, and three students have presented their Pre-Ph. D seminar. In faculty's achievement, Dr. Rupesh Gautam and Dr. Maryam Sarwat were listed in Stanford University's top 2% scientists in the area of Pharmacology & Pharmacy and Plant Biology respectively. Dr. Kalpana Nagpal presented research paper in Conference in Advances in Science and Technology for a Sustainable Future' (ASTSF-2025) held at VIT, Vellore. As a new beginning, the Institute has initiated a Departmental Lecture Series to provide students and faculty with opportunities to learn from leading experts and explore contemporary topics in the discipline. This lecture was given by Prof. (Dr) Harsha Kharkwal, Director, Amity Institute of Phytochemistry and Phytomedicine who presented an interactive and interesting session on "Biodegradables and its importance in Pharmaceutical Sciences". An International Conference was organized in September on "Frontiers in pharma: integrating AI, Nano-engineering & genomics In drug discovery and delivery (FIPINGD₃) which was sponsored by Anusandhan National Research Foundation, Government of India. The conference had 481 registrations and 274 paper presentations from over 30 leading academic and research institutions across India and abroad. Throughout the quarterly period, various club committees like I & E cell, R & W cell, HVCO club and Rx club actively conducted events and initiatives aimed at enhancing student involvement and fostering holistic development. Some of them are Pharmayug 25, Pharmanova, Immunothon, Digital Marketing Workshop, Tug of War: The battle of Scientific Presentations and Questify 2.0 etc. The HVCO team along with H&WC team and Rotary Club Members organized Mega Blood Donation Camp. The institute celebrated Teachers' Day with great enthusiasm, honoring the dedication and valuable contributions of our faculty members.

I am pleased to introduce the third quarterly issue of the year 2025 of 'Pharma Panorama', the official newsletter of Amity Institute of Pharmacy, Amity University Uttar Pradesh, Noida.

Dr. Havagiray R. Chitme
Head of the Institute
Amity Institute of Pharmacy



AMITY UNIVERSITY

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Program after XII B.Pharm.	APPROVED BY  PHARMACY COUNCIL OF INDIA
Program after D.Pharm Lateral admission to 2nd year B.Pharm.	 NIRF Ranking 18 (Year 2025)
Programs after B.Pharm. <ul style="list-style-type: none"> • M. Pharm (Pharmaceutical Regulatory Affairs) • M. Pharm (Phytopharmacy and Phytomedicine) • M. Pharm (Industrial Pharmacy) • M. Pharm (Pharmaceutical Analysis) • M. Pharm (Pharmaceutical Chemistry) • M. Pharm (Pharmaceutics) • M. Pharm (Pharmacology) 	GLOBAL UNIVERSITIES Students who have been selected in top global universities like: <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 5px;">     </div>
COMPANIES Join students who have secured placements in reputed law firms and leading organisations like: <div style="display: grid; grid-template-columns: repeat(3, 1fr); gap: 5px; margin-top: 5px;">                            </div>	UNIVERSITIES And students who completed internships in high ranked organizations such as: <ul style="list-style-type: none"> • Gain clinical and hospital pharmacy experiential Learning and Care: six weeks internships in hospital after B.Pharm • Become industry ready pharmacy professional: six weeks internships in industry after 3rd year of graduation • Intensive Hands on Training: Skill based curriculum with regular practical experience in laboratories • Benefit from mentorship: Get the maximum benefit under the mentorship of faculty, alumni and professionals from industry & hospitals
INTERNSHIP <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 5px;">     </div>	
SANGATHAN A perfect mélange of over 150 Amity institutions, 17 Amity schools & pre-schools from 15 cities of India as well as students from Amity London, Singapore, New York, California, Dubai & Mauritius campus come to Amity grounds to pay their regards and respect to their Founder President. The unfurling of "Sangathan Flag" marks the beginning of the glittering ceremony followed by an impressive march past by over 5000 students of Amity. <p style="font-size: 0.8em; margin-top: 5px;">Students compete in 35 different sports and games including badminton, squash, basketball, volleyball, karate, judo, cricket, chess, swimming, tug of war to clinch the much coveted trophies.</p>	



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About Us



Amity Institute of Pharmacy (AIP) is a well-established institution of Amity University, Uttar Pradesh, Noida having a high profile with interdisciplinary areas of specializations in Pharmacy offering UG, PG and PhD programs. Currently, AIP offers B.Pharm program with an intake of 100 and M.Pharm programs in Pharmaceutics, Pharmacology, Drug Regulatory Affairs, Pharmaceutical Chemistry, Pharmaceutical Analysis, Industrial Pharmacy and Phyto-Pharmacy. The Institute stands amongst top institutes with NIRF ranking and leads in the top 25 institutions since past 02 years. The Institute has received several research grants over last 05 years from funding agencies like SERB, ICMR, AAYUSH, CCRUM. AIP has more than 500 Scopus/WoS listed research publications and 25 patents to its credit in the last 05 years in diverse research areas like NDDS, Medicinal Chemistry, Neuropharmacology, Phyto-pharmaceuticals, Drug Regulatory requirements and pharmaceutical analysis etc.

The thrust areas of research include novel drug delivery systems for skin disorders and burns, drug discovery and development for cancer, diabetes, autoimmune diseases, neurodegenerative diseases like Alzheimer's, Parkinson's and Global regulatory framework for drugs, medical devices etc. The Institute is situated in a centrally air-conditioned four storey building. Pharmaceutics, Pharmacognosy, Medicinal Chemistry, Pharm. Biotechnology etc. All the faculty members regularly attend Seminars, Conferences of National and International levels as well as Staff Development Programmes and also FDP organized by Amity University.

VISION:

"To become a leading centre of excellence of pharmaceutical science and technology education to fulfil the aspiration of students and fostering translational research through technology transfer, start-ups and entrepreneurship."

OBJECTIVES:

- To be the most valued institution of pharmacy in the country
- To offer the industry-ready curriculum-based pharmacy programs
- To produce technically competent pharmacy professionals
- To meet the growing aspiration in the field of pharmacy and healthcare professionals
- To be the innovation and research driven globally competent pharmacy institute

The Institute is having well equipped laboratories, one central instrumentation lab with HPLC, UV Spectrophotometer, ELISA Reader etc and Machine Room facilities. The faculties are well trained in diverse disciplines of Pharmacy and allied areas such as Pharmacology,



Details of Research Centres in AIP



Prof. H. R. Chitme
HOI, AIP

Research Areas-Molecular pharmacology, Cytogenetics, Proteomics



Dr. Nitin Sharma
Professor & Centre Head –
Pharmaceutics



Dr. Kalpana Nagpal Chaswal
Professor & Centre Head - PRA



Dr. Shikha Chauhan
Associate Professor &
Centre Head - Industrial Pharmacy



Dr. Sangeetha Gupta
AP-III, Program Coordinator



Dr. Rajeev Kharb
Professor & Centre Head –
Pharmaceutical Analysis



Dr. Ramanpreet Walia
Professor & Centre Head -
Pharmaceutical Chemistry



Dr. Swati Madan
Professor & Centre Head -
Pharmacognosy



Dr. Dheeraj Nagpal
Associate Professor



Dr. Alka Lohani
Associate Professor



Dr. Vikesh Kr. Shukla
Professor



Dr. Rupesh Gautam
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Dr. Tanveer Naved
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Dr. Neha Jain
AP-III



Dr. Navneet Sharma
AP-II



Dr. Rimpay Pahwa
AP-I



Dr. A. Porselvi
Associate Professor



Dr. Shikha Saxena
AP-III



Dr. Archana Sharma
Associate Professor



Dr. Maryam Sarwat
Professor



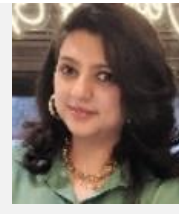
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AP-II



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AP-I



Dr. Saurabh Verma
AP-I



Dr. Shweta Bawari
AP-I



Dr. Puneet Gupta
AP-III



Dr. Smriti Sharma
AP-II



Dr. Saurabh Mitthal
AP-I



Dr. Prakash Haloi
AP-I



Dr. Richa Dingra
AP-II



Neha Kukreti
AP-I

Newly Appointed Faculty Members



Dr. Rupesh Gautam
Professor



Dr. A. Porselvi
Associate Professor



Dr. Neha Kukreti
Assistant Professor -I

Newly Designated Centre Heads/Program Coordinator



Dr. Nitin Sharma
Professor & Centre Head –
Pharmaceutics



Dr. Kalpana Nagpal Chaswal
Professor & Centre Head -
PRA



Dr. Shikha Chauhan
Associate Professor &
Centre Head - Industrial
Pharmacy



Dr. Sangeetha Gupta
AP-III, Program Coordinator
-Pharmacology



Dr. Rajeev Kharb
Professor & Centre Head –
Pharmaceutical Analysis



Dr. Ramanpreet Walia
Professor & Centre Head -
Pharmaceutical Chemistry



Dr. Swati Madan
Professor & Centre Head -
Pharmacognosy

Faculty Achievements

Dr. Havagiray R. Chitme



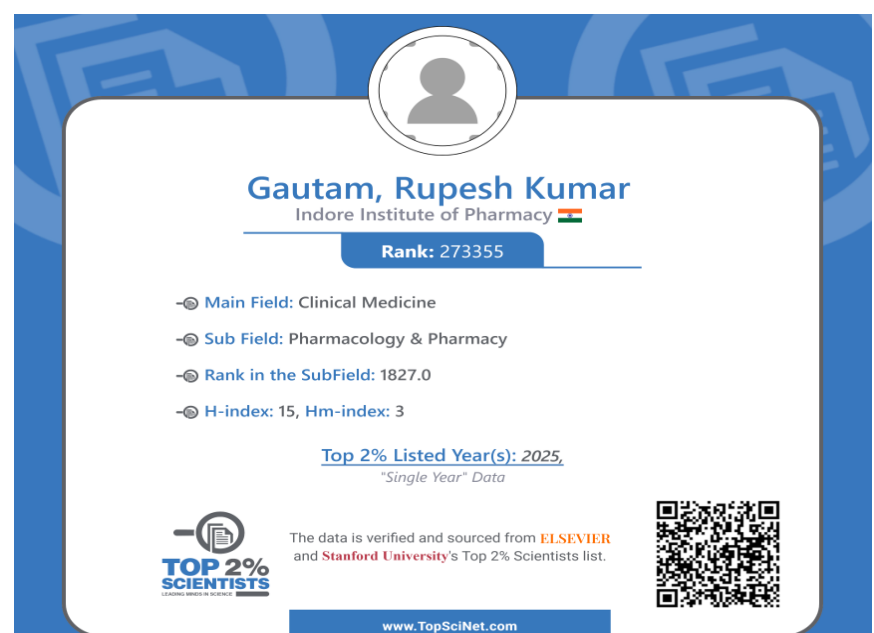
Dr. Havagiray R. Chitme received the prestigious SPSR Excellence in Pharmacy Education Award on World Pharmacist Day 2025



Dr. Rupesh Gautam



- Dr. Rupesh Gautam is invited as a resource person in International Conference. He is also listed in Top 2% Scientist in Pharmacology & Pharmacy



Dr. Maryam Sarwat



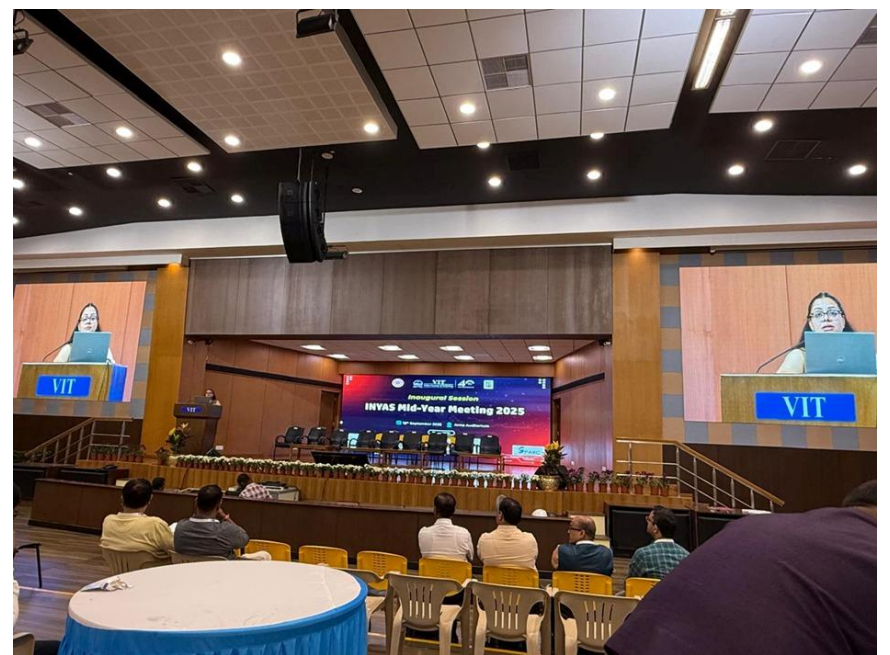
Dr. Maryam Sarwat is listed amongst the Top 2% Scientist in Plant Biology.



Dr. Kalpana Nagpal



Dr. Kalpana Nagpal presented on topic “Demystifying Synergy Finder tool for exploring systematic drug combination discovery: Insights and case Studies” in ‘Advances in Science and Technology for a Sustainable Future’ (ASTSF-2025) held on 18–20 September, 2025 at VIT, Vellore.



Publications

S. No.	Name of Faculty/Scientist	Full Publication Details	Publisher	Level	Published (Month/Year)
1	Dr. Havagiray R. Chitme	Srivastava, A., Saxena, G., Mahawar, N. Havagiray R. Chitme. Pharmacotherapeutic Role of Kethohexokinase in Metabolic Disorders and PCOS: A Systematic Review. SN Compr. Clin. Med. 7, 282 (2025). https://doi.org/10.1007/s42399-025-01976-3 (IF 0.646)	Springer Nature Link	-	30 August 2025
2	Dr. Hemlata Nimesh	Computational approach for predictions of site of metabolism of colchicine and new indole-quinoline derivative as anticancer agent Mishra, S., Sur, S., Sachdeva, M., Nimesh, H. Indian Journal of Heterocyclic Chemistry, 2025, 35(3), pp. 605-614	Connect Journals	Q3	11-25
3	Dr. Indu Singh	Ramprasad BA, Atre B, Chaurasia S, Singh I. In vitro, in vivo and in silico assessment of bioresorbable PLGA-PEG-PLGA based thermosensitive hydrogel mediated 30-days delivery of Lurasidone HCl for schizophrenia. International Journal of Biological Macromolecules. 2025 Jul 24:146288.	Elsevier	Q1	24-07-2025
4	Dr. Indu Singh	Dheek M, Chauhan SB, Singh I. Nanosphere Precision: Emulsomes Revolutionizing Cancer-targeted Therapy. Current Drug Therapy. 2025 Jul;20(5):699-716.	Bentham Science	Q3	07-06-2024 (Year issue)
5	Dr. Kalpana Nagpal Chaswal	Malhotra K, Nagpal K. UV Spectroscopy-Based Development and Validation of an Analytical Method for Simultaneous Estimation of Ellagic Acid and Quercetin in Bulk Suspension. Journal of Applied Spectroscopy. 2025 Sep 11:1-0.	Springer Nature	Q4	11-09-2025
6	Dr. Kalpana Nagpal Chaswal	Dey P, Narayan S, Nagpal K. Tween 80-Modified Chitosan Nanoparticles via Ionotropic Gelation for Enhanced Brain Delivery of Chrysin and Improved Anxiolytic Efficacy in Preclinical Models. Molecular Pharmaceutics. 2025 Sep 19;22(10):5959-74.	ACS Publications	Q1	19-09-2025
7	Dr. Maryam Sarwat	Husain S, Ajmani S, Shamim S, Sarwat M. Unveiling Innovative Approaches in Bone Tissue Regeneration: Advancements and Prospects. Journal of Drug Delivery Science and Technology. 2025 Jul 16:107289.	Elsevier	Q1	16-07-2025
8	Dr. Neha Jain	Amanat, Pooja, Kumar T, Maruthi M, Pandey S, Jain N, Pandey M. Unraveling the PKC Inhibitor: A Review on Mechanistic Insight of H-7 and its Significance in Tackling Cancer. Cell Biochemistry and Biophysics. 2025 Oct 6:1-6.	Springer Nature	Q3	06-10-2025
9	Dr. Neha Jain	Roy M, Kumari R, Yadav P, Jain N, Gorail B, Peddireddy V, Kumar T, Singh SK, Ojha S, Pandey M. Deciphering therapeutic potential of phytoconstituents for mitigating cervical cancer: A pharmacognostic approach. Pharmacological Research-Natural Products. 2025 Sep 3:100355.	Elsevier		03-09-2025
10	Dr. Neha Jain	Kumar J, Chaudhary A, Thapa K, Saini V, Jain N. THERAPEUTIC POTENTIAL OF NANO-FORMULATIONS FOR THE TREATMENT OF VARIOUS RENAL DISORDERS. Indian Drugs. 2025 Aug 1;62(8).	Indian Drugs	Q4	08-08-2025
11	Dr. Neha Jain	Tiwari T, Kaul S, Nagaich U, Pandey M, Mishra DK, Jain N. In Vitro Toxicity, Safety, and Skin Permeability Evaluation of Antifungal Transferosomal Hydrogels for the Advanced Management of Foot Dermatophytosis. BioNanoScience. 2025 Sep;15(3):456.	Springer Nature	Q2	14-07-2025
12	Dr. Havagiray R. Chitme/Dr. Prakash Haloi	Kalita P, Rahman MT, Haloi P, Bora NS, Pachuau L. Pectin in gut health and beyond: A review. International Journal of Biological Macromolecules. 2025 Aug 18:146954.	Elsevier	Q1	18-09-2025
13	Dr. Prakash Haloi	Chaudhary V, Haloi P, Munjal K, Chitme HR. Pharmacotherapeutic importance of phytoconstituents in the management of Polycystic Ovary Syndrome (PCOS) and associated complications. Egyptian Journal of Basic and Applied Sciences. 2025 Dec 31;12(1):1-26.	Taylor & Francis	Q3	02-09-2025
14	Dr. Saurabh Verma	Bhardwaj A, Verma S, Agnihotri A, Chitme HR. Emerging nanotechnology-based therapies in the treatment of diabetes: recent developments and future opinion. Drug Development and Industrial Pharmacy. 2025 Aug 21:1-6.	Taylor & Francis	Q2	21-08-2025
15	Dr. Saurabh Verma	Bhardwaj A, Verma S, Shukla VK, Chitme HR. Spectrophotometric Methods for Simultaneous Development and Validation of Anti-diabetic drug Alogliptin and Canagliflozin. Journal of Pharmaceutical Innovation. 2025 Aug;20(4):155.	Springer Nature	Q2	30-07-2025
16	Dr. Sangeetha Gupta	Bisht S, Sharma U, Gupta S. Role of insulin-like growth factor/receptor signaling in hepatocellular carcinoma. Hepatology. 2025;6:0-.	Hepatology Forum	Q3	26-09-2025

17	Dr. Shikha Chauhan Baghel	Chauhan SB, Singh I, Singh M, Singh M. Hybrid Cosmeceutical Innovations for Aging Skin: Bridging Functional Skincare and Therapeutic Benefits through Multifunctional Formulations. Current aging science.	Current Science	Aging	Q3	17-09-2025
18	Dr. Shikha Chauhan Baghel	Jaitawat DP, Chauhan SB, Jain C, Singh I. Revolutionizing healthcare: AI-Driven innovations in drug development and personalized medicine. Current Pharmacogenomics and Personalized Medicine. Current Pharmacogenomics and Personalized Medicine. 2025 Sep 17;22. Available https://doi.org/10.2174/0118756921395626250905121219	Bentham Science		Q4	17-09-2025
19	Dr. Shikha Chauhan Baghel	Akram A, Singh I, Chauhan SB. Navigating Global Cosmetics Compliance: A Comparative Analysis of India's Cosmetics Rules 2020 with International Standards. Current Drug Research Reviews. 2025.	Bentham Science		Q3	01-09-2025
20	Dr. Shikha Chauhan Baghel	Akhtar N, Jain C, Chauhan SB, Singh I. Gut Virus Axis: Unravelling Viral Contribution to Gut Microbiota Dysbiosis and Translational Medicine in Inflammatory Bowel Disease (IBD). Medicine in Microecology. 2025 Aug 27:100148.	Elsevier		Q2	27-08-2025
21	Dr. Shikha Chauhan Baghel	Sakhuja N, Khushi, Jain C, Chauhan SB, Singh I. Nanosponges in Detoxification: Strategy for Toxin Removal and Drug Overdose Management. Recent Advances in Drug Delivery and Formulation. 2025.	Bentham Science		Q3	17-07-2025
22	Dr. Shikha Chauhan Baghel	Sharma P, Jain C, Chauhan SB, Singh I. Theranostic Applications of Microrobots: Integrating Diagnostics and Precision Drug Delivery. Current Drug Discovery Technologies. 2025 Jul 11.	Bentham Science		Q3	11-07-2025
23	Dr. Shikha Chauhan Baghel	Mishra, Shreyanshi & Chauhan, Shikha & Singh, Indu. (2025). Innovations in Self-Healing Polymers for Next-Generation Wearable Electronics: Materials, Mechanisms, and Future Direction. Current Materials Science. 18. 10.2174/0126661454370527250624083558.	Bentham Science		Q4	04-07-2025
24	Dr. Shikha Chauhan Baghel	Nayan S, Kolay A, Chauhan SB, Singh I. Navigating Global Regulatory Divergence in Over-the-counter Drugs: Addressing Emerging Risks and Harmonization Challenges. Current Drug Research Reviews. 2025.	Bentham Science		Q3	03-07-2025
25	Dr. Shikha Chauhan Baghel	Jaitawat DP, Singh I, Chauhan SB. Next-Generation Phospholipid Nanocomplexes for Precision Neurotherapeutics: Harnessing Endogenous Blood-Brain Barrier Transport Mechanisms to Revolutionize the Treatment of Neurodegenerative Diseases. Recent Advances in Drug Delivery and Formulation. 2025 Jul 3.	Bentham Science		Q3	03-07-2025
26	Dr. Shikha Chauhan Baghel	Chauhan SB, Singh I, Dwivedi A, Dimri A. AI-Enhanced Personalized Skincare: Implications for Skin Microbiome Diversity and Pharmacogenomics Precision in Dermatology. Current Pharmacogenomics and Personalized Medicine. 2025 Jan;22(1):E18756921368686.	Bentham Science		Q4	01-01-2025
27	Dr. Swati Madan	Jadhav, Aniruddha & Kumar, Krishana & Gunasekhar, Thumburu & Madan, Swati & Priya, Sindhu & Kale, Ajay & Pendakur, Balaji & Deshmukh, Shridharrao & Sharma, Krishana. (2025). Molecular Docking and ADMET Evaluation of Functionalized Coumarin Analogs for Cancer Therapy. Journal of Carcinogenesis. 24. 319-326. 10.64149/J.Carcinog.24.2s.319-326.	Journal of Carcinogenesis	of	Q2	13-09-2025
28	Dr. Vikesh Shukla Kumar	TYAgI CH, SHARMA M, SHARMA N, SHUKLA VK. Comparative Analysis of Cosmetics Regulations in Major Markets: United States, European Union, India, Japan, and China. Journal of Cosmetic Science. 2025 Mar 1;76(2).	EBSCO		Q3	01-03-2025
29	Dr. Vikesh Shukla Kumar	Grover M, Sharma M, Shukla VK, Gulati S, Malakar K, Sharma N. A Systematic Review on Pediatric Neurological Devices: Ethical, Regulatory, and Technical Considerations. Neuroethics. 2025 Dec;18(3):41.	Springer Nature		Q1	04-09-2025
30	Dr. Vikesh Shukla Kumar	Dixit S, Sharma N, Shukla VK. Systematic Review on Clinical Trial Regulations: Perspectives from India, USA, and Europe.	Bentham Science		Q1	23-07-2025
31	Dr. Vikesh Shukla Kumar	Manan Grover, Mansi Sharma, Vikesh Kumar Shukla, Raman Chawla, Sudeep Ranjan Nayak, Navneet Sharma. Regulatory Framework for Emergency Approval of Medical Devices in India. Research Journal of Pharmacy and Technology. 2025;18(10):5054-0. doi: 10.52711/0974-360X.2025.00730	Research Journal of Pharmacy and Technology		Q3	04-10-2025
32	Dr. Viney Lather	Sharma HK, Singh I, Karna A, Gupta P, Singh T, Kumar A, Pandita D, Mukherjee M, Parmar VS, Agarwal P, Lather V. Counteracting methicillin resistant Staphylococcus aureus through novel Citral-Azithromycin combination. Scientific Reports. 2025 Jul 15;15(1):25548.	Scientific reports		Q1	15-07-2025

33	Dr. Viney Lather	Mishra J, Poonia N, Karna A, Davuluri M, Lather V, Agarwal P, Pandita D. Garcinol: An emerging epigenetic modifier with versatile anticancer properties. Letters in Drug Design & Discovery. 2025 Jul 21:100067.	Elsevier	Q3	21-07-2025
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Book Chapters

S. No.	Author Name	Book chapter details	Month and Year	Publisher	ISBN
1	Dr. Indu Singh	Tonk, Megha, Chauhan, Shikha Baghel, Swami, Rajan, Gayathri K.S., Mathews, Elezebeth, Singh, Indu, Manickavelu, AlaguInsulin receptors: Central mediators of glucose homeostasis in Receptor-Targeted Therapies in Diabetes Mellitus: From Pathophysiology to Innovative Treatments	01-07-2025	Nova Science, USA	979889530653-6, 979-889530587-4
2	Dr. Neha Jain	Manisha Pandey, Pooja, Deepika Sharma, Sunita Nirban, Ashwani Arya, Suchitra Nishal, Manish Dhall, Neha Jain, Tarun Kumar. Chapter 9: Bioactive-Based Nanocarrier for the Management of Infectious Diseases. In Book: Bioactive-Based Nanotherapeutics. Doi: 10.1002/9781394287345.ch9.	July 2025	Scrivener Publishing LLC.	Online 9781394287345 Print 9781394287314
3	Dr. Richa Dhingra	Future Perspectives: Advancements in Postbiotics and Gut Microbiota Research and Potential Therapeutic Breakthroughs	July & 2025	Springer Nature Link	Online 9783031860652 Print 9783031860645
4	Dr. Saman Fatima	Biomarkers: From Early Detection to Treatment Personalization	August 2025	Elsevier	
5	Dr. Saman Fatima	Advanced Neuroimaging in Precision Neurology: Tools, Trends, and Translational Impact	August 2025	Elsevier	
6	Dr. Vikesh Kumar Shukla	Simran K, vishesh sahu, Simran Y, Vikesh Kumar Shukla . Chapter 23 Ethical regulatory consideration in nanodermatology; Nanodermatology : Advances in theory and practice, 2025: 499-521	09-2025	Elsevier	9780443363269
7	Dr. Vikesh Kumar Shukla	Shivani Gunnam, Simran Chopra, Anoushka Khanna, Vikesh Kumar Shukla and Navneet Sharma.Regulatory guidelines for bioresorbable medical devices 2025. 10.1016/C2023-0-52465-6		Woodhead Publishing	978-0-443-31606-7
8	Dr. Viney Lather	Hitesh Kumar Sharma, Ravinder Singh, Ashoo Grover, Ruchir Malik, Triveni, Shubhendu Singh, Viney Lather and Neetu Vijay. Estimating the Disease Burden of Drug-Resistant Bacterial Infections: Present Trends and Future Risks.	August 2025	Intech	

Ph.D Awarded /ODC/Pre-Ph.D

List of Degree Awarded Ph.D. Scholars					
S.N	Name of the scholar	Guide Name	Thesis Title	Status	Date of ODC/Pre-Ph.D
1	SHOBHIT MISHRA	Dr. Hemlata Nimesh	Design, synthesis and evaluation of novel hybrid molecules as anticancer agents	Pre-PhD seminar done	4th July, 2025
2	Ms. Simran	Dr. Neerupma Dhiman	Phytochemical and pharmacological investigation for antipsoriatic activity of selected medicinal plants	Pre-PhD seminar done	23rd July, 2025
3	Ms NIDHI SHARMA	Dr Maryam Sarwat	Protective role of kaempferol in hepatocellular carcinoma by alteration of endoplasmic reticulum stress signaling	ODC done	28th July, 2025
4	Mr. Bankar Anup Ramprasad	Dr. Indu	Development, optimization and characterization of the biodegradable polymeric system of lurasidone hydrochloride for the treatment of schizophrenia	Pre-PhD seminar done	26th August 2025
5	Mr. Sanjeev Kumar	Dr. Tanveer Naved	Formulation of modified dosage forms for some poorly water soluble antihypertensive drugs.	ODC done	2nd September 2025



Group Photographs of the Ph.D. Scholars with External Examiners and AIP Faculty Members on the day of ODC

Sanctioned/Ongoing Funded Research Projects

#	Name of the Investigator	Project No.	Funding Agency	Title of the project and duration	Sanctioned Amount (in Rs.)
1.	Dr. Maryam Sarwat	3-158/2022-ccrum/Tech	CCRUM	To study the Immunomodulatory effect of Khamira-e-Gaozaban Sada (KGS) and Sugar Free KGS (sf KGS) on D-amphetamine (AMPH) Induced Mania Model of Bipolar Disorder (BD)	30,53,690
2.	Dr. Maryam Sarwat (Co-PI)		CCRUM	In-vitro evaluation of antiviral activity of Unani Drugs and their green nanoparticles against Dengue virus	24,80,000
3.	Dr. Annie Gupta	2655	CST, UP	Metabolomics based bioprospection of medicinal weed plant- <i>Achyranthus aspera</i> in search of elite chemotype in Uttar Pradesh	13,00,000
4.	Dr. Puneet Gupta	3-52/2022-CCRUM/Tech	CCRUM	Formulation Development and preclinical evaluation of novel Unani dispersible tablets for immunomodulatory activity and as adjuvant to Anticancer therapy	30,53,690
5.	Dr. Nitin Sharma	3-85/2023-CCRUM/Tech	CCRUM	Colon targeting of unani medicine via gum(polysaccharide) based oral formulation for effective treatment of irritable bowel syndrome/clinical investigation by gamma scintigraphy	22,41,000
6.	Dr. Havagiray R. Chitme	CST/D-786 Project ID 4000	CST, UP	Fractionation, Characterization and Identification of Diagnostic Biomarker from Follicular Fluid of Patients Diagnosed with Endometriosis	16,36,000
7.	Dr. Navneet Sharma	Registration no. : TPN/77817	DST, IIT Delhi	Textile Based NBC Nuclear, Biological and Chemical Decontamination Handwear, Funded Technology Development Transfer by Division,	55,90,000
8.	Dr. Navneet Sharma	Order No: 1/9/2024-9th MSG/10	MoT, IIT, Delhi	Fabrication and Evaluation of the Gamma Protective Clothing, Funded by National Technical Textile Mission,	1,00,00,000
9.	Dr. Nitin Sharma	CRG/2023/006908	ANRF (SERB), Delhi	Extraction, physicochemical characterization and application of Opuntia ficusindica plant polysaccharide f Apigenin delivery through nanocarrier approach	41,38,000/-
10.	Dr. Nitin Sharma (Co-PI)	CRG/2023/003432	ANRF (SERB), Delhi	"Comprehending the correlation between nanoinformatics data and mechanistic nanoformulations	3,19,000/-
11.	Dr. Swati Madan	Z-18017/188/CSS/NGO/ Ashwagandha-Campaign/ UP-01/2024-25-NMPB	NMPB, AYUSH, GOI	National campaign on Ashwagandha -a Health Promoter	18,90,000/-
12.	Dr. Kalpana Nagpal Chaswal	SPS25-5097232627	International Brain Research Organisation (IBRO), Delhi	"Neuro-pharmaco-behaviour studies in acute and chronic animal models"	USD 5000
13.	Dr. Navneet Sharma	F No TECH-21/9/2025-CCRUM-HQ	CCRUM	Novel Unani Medicine infused Organic Oil based in-soles for diabetic foot care	27,51,760

Patents Filed/Grant

S.No	Name of Inventors	Title	Complete/ Provisional	Date of Submission	Application No.
1	Kalpana Nagpal, Reetu Malik	'MICROBIOME-SAFE ANTI-ACNE COMPOSITION AND METHOD FOR PREPARATION THEREOF'	Provisional	11-07-2025	202511066509
2	Ramanpreet Walia, Chandni Sharma, Shayantan Ghosh, Swati Madan	'GREEN SYNTHESIZED CERIUM OXIDE NANOPARTICLE USING AZADIRACHTA INDICA AND COLOCASIA ESCULENTA LEAVES EXTRACT TO EVALUATE ITS WOUND HEALING EFFICIENCY'	Provisional	25-08-2025	202511080431

Departmental Lecture Series

AMITY INSTITUTE OF PHARMACY

Departmental
LECTURE SERIES 2025





Biodegradable Innovations in Pharmaceuticals

Prof. (Dr.) Harsha Kharkwal

Director - Amity Institute of Phytochemistry and Phytomedicine (AIP&P)
Coordinator - Amity Center of Carbohydrate Research (ACCR), Amity University Uttar Pradesh, Noida, India

FRIDAY, 19 SEPTEMBER 2025 | TIME: 3:00PM - 4:00PM

CONVENERS



Dr. Havagiray R. Chitme

Head of Institute
Amity Institute of Pharmacy



Dr. Tanveer Naved

Deputy Dean
Health & Allied Sciences Domain

COORDINATORS



Dr. Shikha Saxena

Assistant Professor
Amity Institute of Pharmacy



Dr. Prakash Halo

Assistant Professor
Amity Institute of Pharmacy

Objective

- ❖ Encourage interdepartmental research collaboration
- ❖ Provide platform to discuss ongoing research activities.
- ❖ Promote joint supervision of UG, PG and PhD research projects.
- ❖ Identify research facilities which can be shared for mutual benefits.
- ❖ Support multi and trans-disciplinary research at AIP.
- ❖ Vitalize network with leading in-house researchers.

Eminent Speaker

Name: Prof. (Dr) Harsha Kharkwal

Designation: Director

Organization: Amity Institute of Phytochemistry and Phytomedicine

Details of the Event

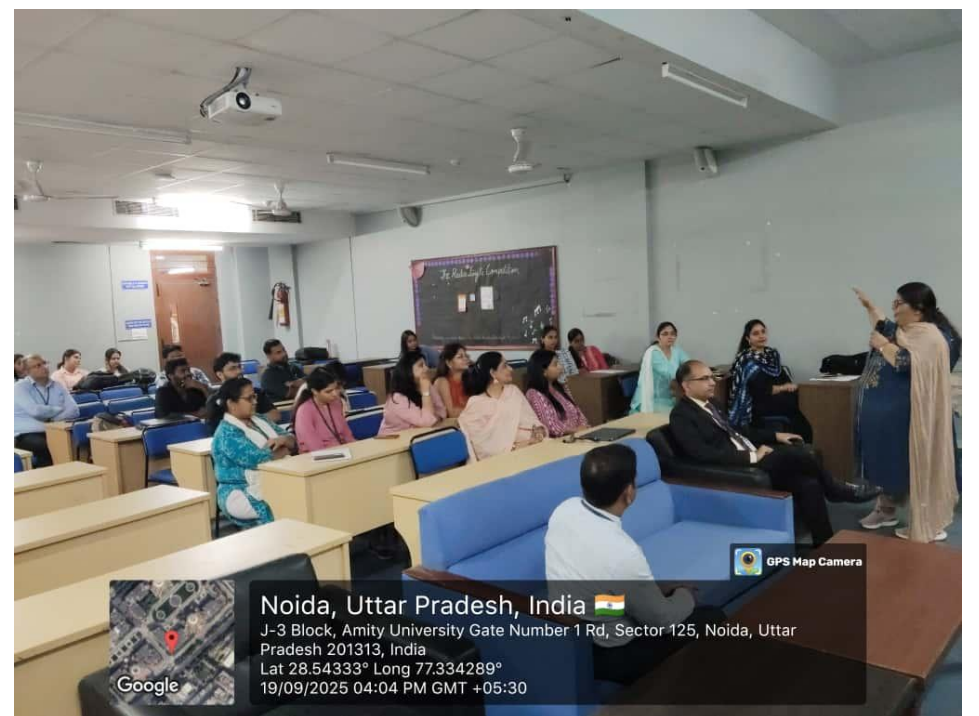
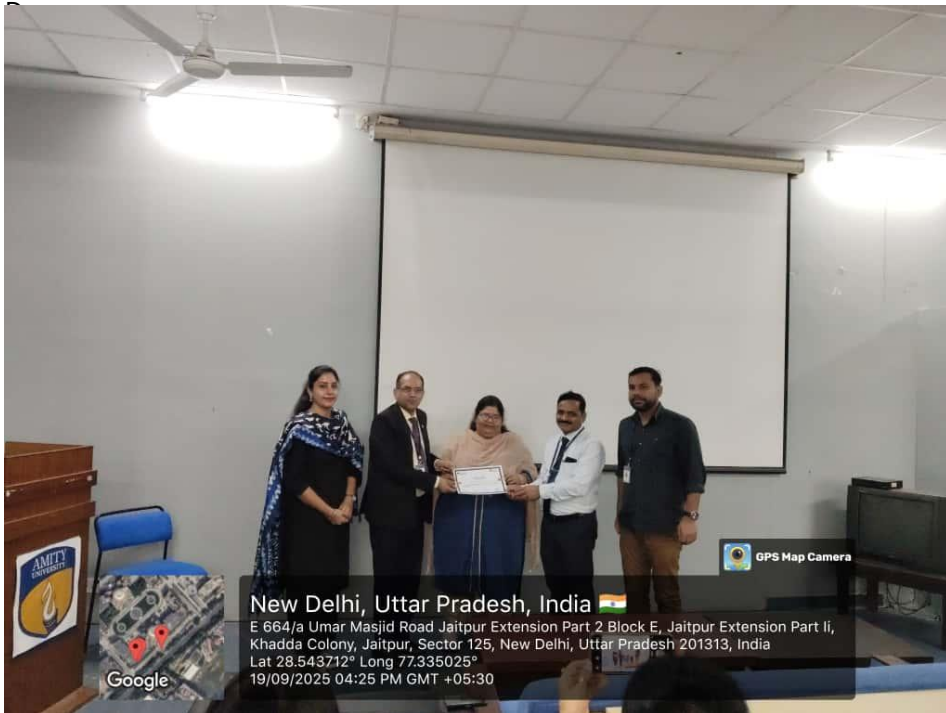
The event started with the opening remarks by Dr Shikha Saxena discussing about the objectives of launching Departmental Lecture Series under the leadership and vision of Prof.(Dr) HR Chitme. The speaker of the event Dr Harsha Kharkwal was welcomed and Dr HR Chitme addressed the gathering. Dr Harsha gave the interactive and interesting session on Biodegradables and its importance in Pharmaceutical Sciences followed by the question answers and queries by the faculties. In the end, Dr Prakash Halo gave vote of thanks. Faculty Members of AIP attended the event.

Organising team

1. Dr Shikha Saxena (Assistant Professor)
2. Dr Prakash Halo (Assistant Professor)
3. Ananya Dwivedi (Student), 7th Semester
4. Samarth Chaudhary (Student), 7th Semester
5. Sanjoli Srivastav (Student), 7th Semester
6. Mohak Hans (Student), 7th Semester

Outcome

- A. Building better multi and trans-disciplinary research capacity
- B. Joint publication, patenting, research projects, student project supervision.
- C. Platform for exchange of ideas and knowledge sharing



International Conference

“Frontiers in Pharma: Integrating AI, Nano-Engineering & Genomics in Drug Discovery and Delivery”



AMITY UNIVERSITY
UTTAR PRADESH
AMITY INSTITUTE OF PHARMACY

Organizes

FIRST ANNOUNCEMENT

INTERNATIONAL CONFERENCE on FRONTIERS IN PHARMA: INTEGRATING AI, NANO-ENGINEERING & GENOMICS IN DRUG DISCOVERY AND DELIVERY

29th – 30th September 2025

F2 Auditorium, Amity University, Noida, India

DISTINGUISHED INTERNATIONAL SPEAKERS



Dr. Kamal Dua
University of Technology Sydney
Australia



Dr. Nitin Chitranshi
University of New England
Australia



Prof. (Dr.) Amit K. Tiwari
University of Arkansas for
Medical Sciences, USA



Dr. Mohd-Ali Shahbazi
University of Groningen
Netherlands



Prof. (Dr.) Rajaraman Eri
RMIT University
Australia



Dr. Vandana Gulati
University of New England
Australia



Dr. Gabriele De Rubis
University of Technology Sydney
Australia



Dr. Trudi Collet
Queensland University of
Technology, Australia



Prof. (Dr.) Fadli Asmani
Management & Science University
Malaysia



Dr. Keshav Raj Paudel
University of Technology Sydney
Australia



Dr. Ayaz Mukarram Shaikh
University of Debrecen
Hungary



Dr. Mahendran Sekar
Monash University
Malaysia

CALL FOR ABSTRACTS

Present your innovations on a global platform: The Oral and Poster submissions are now open. Students, Research Scholars, academicians & industry professionals are invited to submit original research or review abstracts for oral and poster presentations.

Last Date for Abstract Submission: 24th August 2025

Last Date for Early Bird Registration: 25th August 2025

KEY FOCUS AREAS:

- Artificial Intelligence in Drug Discovery and Precision Medicine
- Nanotechnology in Formulation and Targeted Drug Delivery
- Genomics in Drug Discovery & Delivery for Personalised Medicine
- Global Research Opportunities for Pharmacy Students
- International Best Practices in Pharmaceutical Education

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For Enquiries & Abstract Submission:

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Inspiration Behind the Conference

The international conference was part of AIP Noida's annual activity plan for 2025-26. Given that expanding health issues such as cancer, genetic and lifestyle diseases and disorders, infectious diseases, antibiotic resistance, and resistant diseases are causing innovation and invention in drug research and development to churn. AI, nanoengineering, and genomics must be integrated to address existing and upcoming healthcare concerns. Keeping this in mind, AIP developed a proposal with the direct guidance and supervision of Prof. (Dr.) B. C. Das, Dean, Faculty of Health and Allied Sciences, and Dr. W. Selvamurthy, President, Amity Science Technology and Innovation Foundation. The proposal was submitted to Prof. (Dr.) Chandrdeep Tandon, Additional Pro Vice Chancellor and Dean of the Faculty of Bio Sciences and Biotechnology at AUUP, for feedback and recommendations. The revised proposal for an international conference was submitted to Hon'ble Madam Vice Chancellor, AUUP for her consideration and approval. Given her constructive suggestions, the proposal was changed to better connect with Amity's vision and mission of global academic excellence and research synergy.

Distinguished Chief Guest, Guests of Honor & Distinguished Speakers

Name	Designation & Organisation	Country	Expertise / Research Focus
Prof. (Dr.) N. K. Ganguly	Former Director General, ICMR & President, Apollo Hospitals Educational and Research Foundation (AHERF)	India	Biomedical research and medical research policy
Prof. (Dr.) Asim Ali Khan	Former Director General, CCRUM, Ministry of AYUSH	India	Integrative medicine, Unani drug research and health research policy
Dr. Dipti Kakkar	Scientist-G, Anusandhan National Research Foundation (ANRF)	India	Pharmaceutical chemistry, academia-industry linkage, research policy
Dr. Ghazala Javed	Assistant Director (Unani) & Technical Head-CCRUM Hqs, Ministry of AYUSH	India	AYUSH Research policy, science innovation management, research policy
Dr. Kamal Dua	Associate Professor, University of Technology Sydney	Australia	Drug delivery, nanotechnology, respiratory therapeutics
Dr. Trudi Collet	Associate Professor, Queensland University of Technology	Australia	Natural products chemistry, pharmaceutical innovations
Dr. Nitin Chitranshi	Senior Lecturer, University of New England	Australia	Neurosciences, genomics, molecular biology
Dr. Vandana Gulati	Senior Lecturer, University of New England	Australia	Pharmacology, nutraceuticals, phytopharmaceuticals
Dr. Keshav Raj Paudel	Postdoctoral Research Fellow, University of Technology Sydney	Australia	Nanomedicine and drug design
Dr. Mahendran Sekar	Associate Professor, Monash University, Malaysia	Malaysia	Phytochemistry and pharmacognosy
Prof. (Dr.) Vandana B. Patravale	Professor, Institute of Chemical Technology (ICT), Mumbai	India	Nanotechnology-based drug delivery, formulation design
Prof. (Dr.) Harish Dureja	Professor, M. D. University, Rohtak	India	Pharmaceutical technology, regulatory affairs
Prof. (Dr.) John I. Disouza	Principal, Bombay Institute of Pharmacy & Research, Thane, Maharashtra	India	Pharmaceutics, academic leadership
Prof. (Dr.) Sachin Kumar Singh	School of Pharmaceutical Sciences, LPU, Punjab	India	Pharmaceutical analysis and drug discovery
Prof. (Dr.) Manisha Singh	Department of Biotechnology, Jaypee Institute of Information Technology (JIIT)	India	Pharmacology and academic innovation

3. Criteria for Inviting Guests

Speakers were invited based on their global research credentials, ongoing collaborations with Amity faculty, and their expertise aligned with the conference theme- AI, Nano-Engineering, and Genomics. Leading scientists from academia and government were chosen to foster interdisciplinary dialogue and initiate international research linkages.

1. Integration of AI and Pharma:

Dr. Trudi Collet delivered a talk on use of AI in discovery of new drug molecule from natural products, phytochemistry, and reverse pharmacology.

Dr. Kamal Dua presented his academic and translational research experience and popularizing the research outcomes using social media tools.

Prof. Vandana Patravale various tools to be used in advancing and expediting the drug discovery process through AI and ML tools.

Dr. Ghazala Javed presented various funding opportunities available with CCRUM for funding unani based research with new age technologies.

Dr. Vandana Gulati introduced various research happening globally on natural products and the field of research emerging with an integration of emerging technologies.

2. Integration of Drug Delivery and Nano-engineering

Dr. Nitin Chitranshi application of nano-engineering principles in targeting molecules for better therapeutic outcomes and presented a successful translational model.

Dr. Keshav Raj Paudel – presented his research specially on nanoparticle design for inhalation delivery, formulation scale-up & translational nanomedicine.

Dr. Dipti Kakkar highlighted the role of funding agencies in promoting basic, applied and translational research in India and global collaborative research.

Prof. Harish Dureja explained drug regulatory guidelines and policies in India and international for the successful launch of pharmaceutical products in the market.

Prof. Sachin K. Singh and Prof. John I. Dsouza shared various views on analytical and institutional capacities to take discoveries through to product.

3. Integration of Genomics and Drug Discovery

Prof. Manisha Singh explained use of genetic engineering in identifying molecular targets, genomics and translational models.

Dr. Mahendran Sekar shared the ways of identifying the leads derived from phytochemicals, and biologicals with newer mechanism of action.

4. Research in Personalised Medicine

Dr. Nitin Chitranshi, Prof. Manisha Singh, Prof. Vandana Patravale, Dr. Kamal Dua, Dr. Keshav Raj Paudel, Prof. Sachin K. Singh and Prof. John I. Disouza, emphasized the need of integrating molecular targets, genomics, translational models, nanoparticle design, inhalation delivery, formulation scale-up, translational nano-medicine, pharmacology, neuro and systemic models also analytical and institutional capacities to take discoveries through to personalized medical/pharmaceutical products.

4. Previous Interaction and Recommendations

Most international guests were known to most of the AIP faculty members including Dr. Puneet Gupta, Dr. Viney Lather, Dr. Rupesh Gautam, Dr. Tanveer Naved, Dr. HR Chitme, Dr. Rajeev Kharab, Dr. Shikha Chauhan, Dr. Kalpana Nagpal, and others. They were all networked while in academic studies, academics and research. The profile of each of the speakers were thoroughly reviewed and recommended by Prof. (Dr.) B. C. Das Sir and Dr. W. Selvamurthy Sir.

5. Attendance and Participation

The conference recorded **481 registrations** and **274 paper presentations** from **over 30 leading academic and research institutions** across India and abroad. Over **200 participants** were from **Amity University** including faculty, Ph.D. scholars, and B. Pharm students who played key roles in logistics and academic sessions.



Club Committee's Activities

I&E CELL, Amity Institute of Pharmacy Presents
pharmayug 23
Vaidyakala
 Ever wondered how your cosmetics are made?
 Now's your chance to make one yourself!
 Date: 23rd September
 Time: 1 pm Onwards
 Venue: J1 307
 Scan to Register
 Chance to win Amazing Prizes & Certificates for all!
 Event coordinators: Harshita: 8076044674, Yashika: +91 82873 38360

THE RX HEALTH CLUB CELEBRATES
 "NATIONAL PHARMACOVIGILANCE WEEK"
PHARMANOVA
 THEME: YOUR SAFETY, JUST A CLICK AWAY: REPORT TO PVPI
 Amity University Noida is organizing "GUEST LECTURES" from 17th September to 23rd September for celebration of National Pharmacovigilance week. These events promise to be exciting and engaging, making it a week you won't want to miss!
 DR. HAVADRAY K. CHITME
 DR. SHVEER NAROD
 DR. MANISH NARANG
 DR. JAMIL BASH
 DR. SWATI MADAN
 DR. RAMANPREET WALIA
 DR. SHIKHA SAXENA
 DR. SMRITI SHARMA
 RXCLUB.AMITY RX CLUB

AMITY INSTITUTE OF PHARMACY
 RESEARCH & WRITING CELL
Unlocking career growth with linked in
Highlights of The Event
 Introduction to LinkedIn for pharmacy professionals
 Why LinkedIn matters for your career
 Building a strong professional profile
 Networking with industry leaders
 Finding internships & opportunities
 Smart posting & engagement tips
 Interactive Q&A session
Free Entry!
 VENUE - J1 307
 DATE - 18.09.25
 TIME - 3PM
 GUEST SPEAKER: MOHAK HANS
 UNDER THE GUIDANCE OF: DR. H. R. CHITME, DR. MARYAM SARWAT, DR. PRAKASH HALOI, DR. NEHA KUKRETI
 STUDENT COORDINATORS: SHARDA (8204078220), ASMITAA (9811204094)

AMITY INSTITUTE OF PHARMACY
 RESEARCH & WRITING CELL
TUG OF WAR: THE BATTLE OF SCIENTIFIC PRESENTATIONS
 THEME: NUTRACEUTICALS AS NATURAL HEALERS
Event Flow & Dates:
 Phase 1 (4th Sept): Student presentations on pre-assigned topics, followed by a two-week training to refine their presentation and skills.
 Phase 2: Finale (18th Sept): Grand competition round where participants showcase their improved presentations.
 Certificates of Participation for all
 Best Presentation Wins a Chance to Publish in Scopus
 FREE ENTRY
 Venue: J1 307
 Time: 3 pm onwards
 UNDER THE GUIDANCE OF: Dr. H. R. CHITME (Chair), Dr. Maryam sarwat (Co-chair), Dr. Prakash Haloi (Faculty coordinator), Dr. Neha Kukreti (Faculty coordinator)
 STUDENT COORDINATORS: LOVENYA 9443759334, SHARDA 8204078220, ASMITAA 9811204094

I & E CELL Presents
COGNIX Digital Marketing Workshop
 Mastering the Fundamentals of SEO and Paid Ads
 SULEMAN KHAN
 FREELANCE DIGITAL MARKETING TRAINER
 Prof. (Dr.) Havadray K. Chitme
 Prof. (Dr.) Tanveer Naved
 Prof. (Dr.) Nitin Sharma
 Dr. Swati Bawari
 Skill Certificate Participation Kit Awards for Top 3 Performers
 THURSDAY 2 PM-5 PM J1, 307
 STUDENT COORDINATORS: DIVYANSHU SRIVASTAVA - 8543033872, PEARL SHARMA - 9958780400
 SCAN TO REGISTER!

I&E CELL, Amity Institute of Pharmacy Presents
pharmayug 23
Call For VENDORS
 QALABAZAAR
 Sell. Showcase. Shine.
 Student hustler or big brand - all welcome!
 Bring your product, talent, or brand and set up your stall!
 Date: 24th September, 2025
 Time: 11am Onwards
 Coordinators: Sarathak- 8800213709, Kanika- 9999619434
 Scan to register

I&E CELL, Amity Institute of Pharmacy Presents
pharmayug 23
IDEATHON
 IDEATE | INNOVATE | INSPIRE
 Pitch your innovative ideas & shape them into impactful solutions to real life challenges.
 PRIZE POOL: ₹7000/-
 Certificates for All!
 Open for everyone - students from all courses and all universities
 24th September, 2025
 10am Onwards
 C block, Amity University, UP
 Event coordinators- Shivansh: 98912 33446 Jaskirat: 85956 21427

Rx Club Celebrates
 Immunization Awareness Month
 Presents
Immunothon
 Fuel Your Mind. Face the Challenge.
 Immuno Quest
 Extempore
 ImmunoMaps
 Open to B.Pharm & M.Pharm students, and health enthusiasts.
 Awards and Recognition
 Top Three Winners: Recognized with titles, certificates, and prizes.
 Certificates of Participation: For all registered participants.
 Scan QR Code to register and join us on 21 AUG
 Student Co-ordinators: Anshak: 8447962445, Vishakha: 7982171670

I & E Cell
 Amity Institute of Pharmacy presents
QUESTIFY 2.0
READY TO PLAY!?
 On 21st August 2025
 Venue: J1 406
 Time: 1:30 PM - 3:30 PM
 Scan to register



INNOVATION & ENTREPRENEURSHIP CELL I & E CELL Digital Marketing Workshop on Mastering the Fundamentals of SEO and Paid Ads

Date: 24th July 2025

The Digital Marketing Workshop on “Mastering the Fundamentals of SEO and Paid Ads” introduced students from AIP, AIB, and other departments to core concepts of search engine optimization and paid advertising. Through interactive sessions and live demos, students learned about keyword research, Google Ads, and social media marketing. The workshop aimed to equip participants with essential digital skills and industry insights. It received enthusiastic participation and fostered cross-disciplinary learning.

Event Coordination

The event was successfully organized under the leadership of coordinators Pearl Sharma, and Divyanshu Srivastava. Their meticulous planning and execution ensured a seamless experience for all participant and speaker.



Speaker:

- ◆ **Mr. Suleman Khan – Digital Marketing Trainer, SkillCircle**

Event Execution

The Digital Marketing Workshop began with a warm welcome by hosts Harshita Kochar and Tanisha, followed by an inspiring opening speech from Dr. Havgirey R. Chitme. The dignitaries were then welcomed with a token of appreciation. Mr. Suleman Khan, our keynote speaker, delivered an engaging and insightful 2-hour session on SEO and paid ads. The event concluded with closing remarks from Shweta Ma’am, Tanveer Naved Sir, and Nitin Sir. A short quiz was conducted at the end, with three students emerging as winners.

Winners:

Gold Medal :- Karan Jain
Silver Medal :- Mehak
Bronze Medal :- Joy Bose



Outcome

The workshop was a successful and insightful session that introduced students to the basics of SEO and paid ads. It enhanced their understanding of digital marketing and encouraged interest in this growing field. The interactive format and expert guidance made it a valuable learning experience for all participants.



Falication of the speaker by Dr. H. R. Chitme and organizing team

I & E Cell EVENT: QUESTIFY 2.0

Date: 21st August 2025

The objective of Questify 2.0 was to provide students with an engaging and competitive platform to test their knowledge of companies, their founders, origins, and trending global concepts. Organized by the Innovation and Entrepreneurship Cell, the event aimed to spark student interest in entrepreneurship, foster critical thinking, and enhance awareness of innovation and business in a fun and interactive manner.

Details of the Event



Questify 2.0 was organized on 21st August 2025 at the J1 Block, Room 406. The competition was structured in multiple rounds, each designed to challenge participant's knowledge and quick-thinking skills in a unique way:

Round 1: Logo Trivia – Founder

Participants were shown logos of different companies and had to identify the brand associated with the founder. Each correct answer carried +5 points, and only teams scoring 70% or above progressed to the next round.

Round 2: Logo Trivia – Innovation Origins (Country)

Teams were presented with company logos and had to identify the country of origin. This was conducted in a buzzer format where the first team to buzz and answer correctly advanced, while wrong answers led to immediate elimination.

Round 3: Tech Innovations

Participants were shown examples of major technological innovations such as Face ID, AI, or the Internet, and were asked to identify the associated brand. The buzzer format was again used, with only the fastest and correct team advancing.

Round 4: Emoji Story Riddles on Global Trends

In the final round, students interpreted emoji sequences representing global events or trends such as cryptocurrency rise and fall, online shopping replacing retail, or economic recession. The buzzer format continued, and the participant/team with the highest points at the end was declared the winner.

Organising team

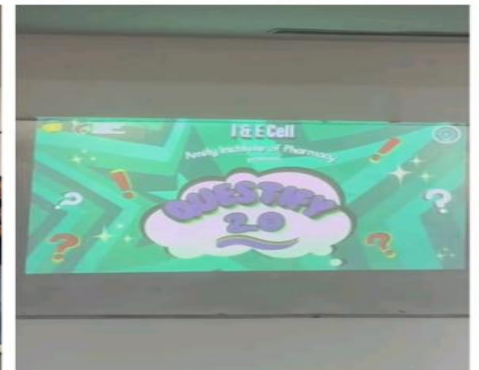
Faculty coordinators :- Dr. Nitin Sharma , Dr. Sweta Bawari

Student coordinators:- Chairperson of Event logistics:- Kanshi Vyas

Associate Chairperson of Event Logistics :- Shivansh Pandey , Jaskirat Singh

Winner:-

Team Apple :- Muaz Alam and Gautam (ASET)



R & W CELL

Introductory Session of the Research and Writing (R&W) Cell

Date: 30th July 2025

Objective:

The objective of the session was to formally introduce the new members of the Research and Writing Cell and to present the newly structured Research and Writing curriculum to the upcoming student batch. The session aimed to establish clarity regarding the Cell's vision, curriculum framework, and future direction for research-led learning.

Session Overview:

The session commenced with a welcome note by the faculty coordinators of the R&W Cell, setting the tone for an informative and engaging meeting. The Research and Writing Cell, under the mentorship of Dr. H. R. Chitme and coordination of Dr. Maryam Sarwat, Dr. Prakash Haloi, Dr A. Porselvi, Dr. Neha was introduced as a pioneering initiative to promote a research- oriented culture and enhance scientific communication skills among pharmacy students. Highlights:

Introduction to the R & W Cell:

A presentation was delivered to showcase the purpose and long-term vision of the Cell.

Emphasis was placed on:

- The trainer-trainee model for peer-led learning
- Hands-on learning via workshops Key, academic competitions, and research internship
- Opportunities to publish review articles, develop research proposals, and design scientific posters
- Collaboration across departments to foster interdisciplinary research

Introduction of New Cell Members:

Newly appointed members were formally introduced. The roles of President, Vice president, Member trainees, Research Trainees, Social Media Associates were explained. Each member's previous contributions were acknowledged, ranging from scientific writing to event coordination and poster presentations.

Senior members shared their experience of working in the Cell and how it had enhanced their personal and academic growth.

Presentation:

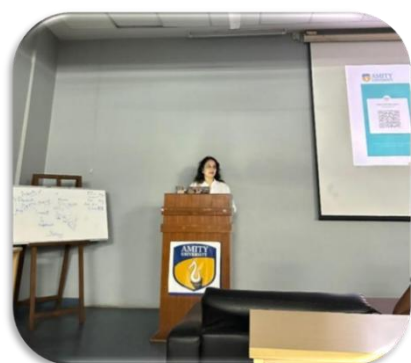
A detailed overview of the semester-wise Research and Writing curriculum was presented to the students. The curriculum is designed to guide students from the basics of scientific writing to advanced research methodologies across six semesters:

1st Semester: Introduction to research, GLP, MS Office tools, and types of scientific writing

2nd Semester: Formatting documents, citation styles, review writing, poster making

3rd Semester: Abstract writing, plagiarism, referencing tools (e.g., Mendeley, Zotero)

4th Semester: Figure/table designing, writing a review, in silico/in vitro/in vivo studies 5th Semester: Exposure to ELISA, UV, TLC, MTT, animal studies, and cell culture Curriculum 6th Semester: Research proposal and protocol writing, interpreting research data.



Human Value & Community Outreach Club Activity

Objective

The drive was conducted to encourage social responsibility among students and to extend support to Flood Victims & underprivileged communities through collection and donation of essential items. The purpose was to inculcate values of empathy and service, while creating an impactful outreach experience.

Details of the Event

The HVCO team organized a Collection (18Aug'25-02 Sep'2025) and Donation Drive on Thursday 4th September'2025. Volunteers visited three locations – two sites near Akshardham and one site near Mayur Vihar (These sites are for relocated flood victims).

The activity began with collection of cloths, utensils, daily need items from keeping cartons in C, J1, J2, J3 & E block in Amity University, Noida. After Collection, assembling and sorting the collected items, which included clothes, books, and daily essentials contributed by students and faculty members. Volunteers then divided into groups to ensure smooth distribution at all three identified locations.

At each site, the collected items were distributed to community members in need. The drive witnessed active interaction with beneficiaries, fostering a sense of connection and gratitude.

Organising Team

- Faculty Coordinators: Dr Archana Sharma & Dr Priyanka Saroj-AIP
- Executive team & Core Team of Students-AIP

Outcome

The drive proved to be a meaningful initiative, providing immediate relief and support to several Flood effected families (Approx. 50 families). Students gained hands-on experience in community service, teamwork, and event management. The activity strengthened HVCO's commitment to social welfare and encouraged volunteers to take part in future outreach programs.





R & W Cell Activity Tug of war – Scientific presentation

Date: 4th September 2025

Objective

The objective of the event was to promote scientific curiosity and collaboration among students by encouraging them to present their innovative research ideas. Through scientific PowerPoint presentations, students were given a platform to showcase their knowledge and creativity in front of distinguished guests and judges.

Eminent Speakers

- Dr. Ajay Kumar Singh (Chief Guest & Judge) (Senior VP of AFSTIA Noida)
- Dr. Amarnath Mishra (Judge) (Associate professor at AIFS Noida)
- Dr. Rupesh Kumar Gautam (Judge) (Professor at AIP Noida)
- Dr. H. R. Chitme (Chair of the Cell) (Dy Director & Hol of AIP noida)
- Dr. Tanveer Naved (Deputy Dean of Health and Allied Sciences, Amity, Noida)
- Dr. Maryam Sarwat (Co-Chair of the Cell)

Details of the Event

- The event began with President of the cell - Aanika Sominder, introducing the Research and Writing Cell and its vision. After which, Anchors - Pulkit and Sharda guided the event, welcoming dignitaries and explaining the session's structure. The anchors introduced the "Tug of War" concept the event, emphasising cross-department participation and scientific exchange.
- The distinguished guests also shared their experiences regarding their research journeys and emphasised the significance of presentation skills, which are essential for presenting your research work in front of others.
- Seven student teams delivered presentations on the following topics:

- Ashwariya & Anshika: "Food, depression and circadian rhythm"
- Kritika: "Impacts of probiotics on anxiety disorders via the gut-brain connection"
- Joy Bose: "Food for gut-brain axis and neurological disorders"
- Sayandip: "Food for gut-brain axis and neurological disorders"
- Anushka & Charvi: "Food science and cardiovascular health"
- Sakshi: "Yogic food habits and their impact on physical, mental and spiritual health"
- Kshitij: "Fermented food and health benefits"
- Esteemed Judges conducted a viva-style Q&A after each session, offering constructive feedback to students as well as checking their knowledge in their respectively reviewed topics. The judges' critical questions encouraged students to think on their feet and refine their approach to scientific problem solving.
- The judges announced results as following:
 - 1st: Sakshi
 - 2nd: Sayandeep
 - 3rd: Joy Bose, Ashwariya & Anshika

• To end the event, Anchors thanked the guests and participants while the Cell president and few professors concluded with remarks on the value of student research and collaboration.



- Faculty Coordinators: Dr. Maryam Sarwat, Dr. Prakash Haloi, Dr. Neha Kukreti
- Guests & Judges: Dr. H. R. Chitme, Dr. Tanveer Naved, Dr. Ajay Kumar Singh, Dr. Amarnath Singh, Dr. Rupesh Kumar Gautam
- Core Team & Completion Co-Ordinator students



Outcome

- The event fostered research skills, scientific thinking, and presentation confidence among students. Students benefited from critical feedback and peer competition, strengthening both skills and motivation. Recognition of winners spurred enthusiasm for further research initiatives.



Report on the “Unlocking Career Growth with LinkedIn” Session

Date: 18 September, 2025

Objective

The session “Unlocking Career Growth with LinkedIn” was organized by the Research & Writing Cell (R&W cell) at Amity Institute of Pharmacy to offer students practical strategies on using LinkedIn for professional growth. This session aimed to educate the students about leveraging LinkedIn for professional development, career progression, and building an effective digital presence within the pharmacy department.

Session Overview

The event started at 3:00 PM, with first and second-year B. Pharm students as the attendance. Two faculty members, Dr. Maryam Sarwat (faculty co-chair of the cell) and Dr. Hemlata Nimesh, were present in the audience, giving their support.

Mr. Mohak Hans, the Founder & CEO of Atomic Media, a digital marketing agency, and currently serving as Marketing Coordinator at Amity Youth Fest/Amity Utsav 2025, was the session’s guest speaker. He introduced himself and took charge of the stage. He brings expertise as a digital growth strategist, with significant experience in brand marketing, youth event leadership, and professional development for students. His background as a pharmacy student himself further enabled him to connect with the students and helped to offer targeted advice to his peers.



- Content Sharing and Engagement: The session included advice on sharing updates and contributing content thoughtfully, including the idea of timing posts (such as making use of “golden hour” visibility). He explained methods to maximize engagement and visibility for professional posts, but also encouraged students to experiment with what works for them.
- Maintaining an Professional Presence: The importance of regular profile updates, active networking, and consistent engagement with professional communities was emphasized as central to long-term career advancement.

Throughout the talk, Mr. Hans gave a lists of “dos and don’ts” with examples to help the audience better understand both the opportunities and the common mistakes students make when wanting to create a professional presence on LinkedIn.



Interactive Segment

Following the main presentation, an interactive Q&A session was held, which gave opportunity to the participants to raise questions directly to the speaker. This provided deeper insights and clarity on LinkedIn strategies specifically tailored for pharmacy professionals.



Closing Remarks

President of the Research & Writing Cell, Anika Sominder, delivered the concluding remarks. She provided an overview of the cell’s mission, upcoming activities, and future plans, inviting all attendees to participate actively in the upcoming initiatives. This strengthened the community participation and set the stage for future events.

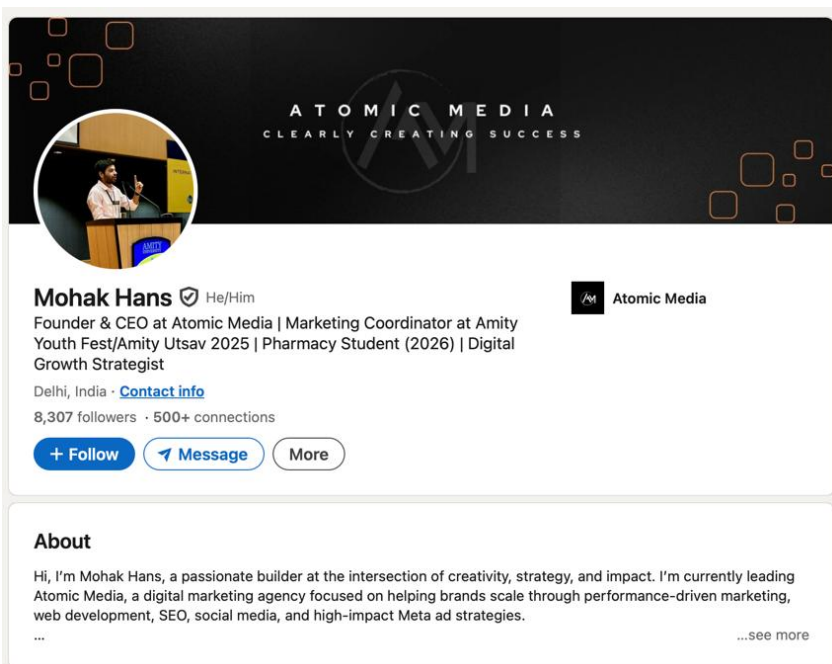
Acknowledgements

Special thanks to Mr. Mohak Hans for delivering a focused, relevant, and highly practical session on personal branding and career growth through LinkedIn. The organizers express their appreciation to the faculty, student coordinators, and all participants for ensuring a successful event.

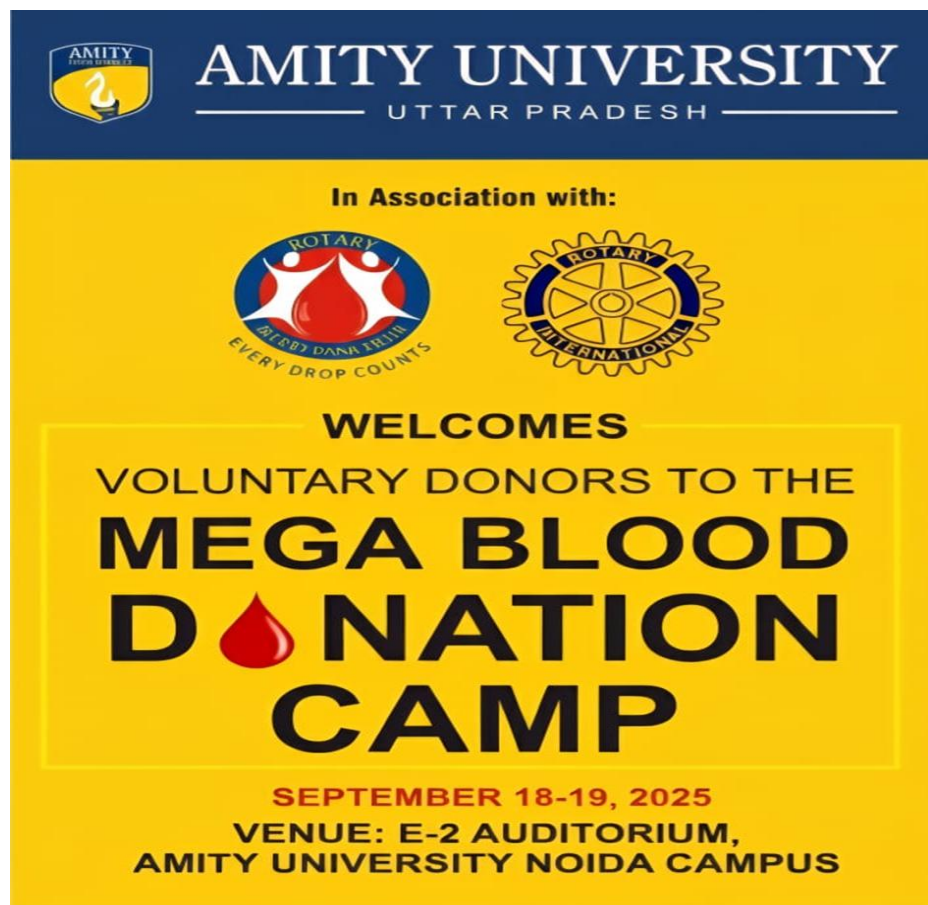
Highlights of the Presentation

Mr. Hans delivered practical advice and discussed some common misconceptions relating to LinkedIn profile creation:

- Setting up a Professional LinkedIn Profile: Discussed best practices for profile photographs, emphasizing the importance of a professional appearance and how a strong visual first impression can elevate one’s professional image.
- Profile Building and Branding: Highlighted the significance of choosing appropriate headlines and summaries, focusing on how to communicate expertise and aspirations without underselling oneself. Explained the drawbacks of identifying solely as a “student” in one’s headline and suggested emphasizing skills and areas of interest instead.
- Dos and Don’ts of LinkedIn Networking: Outlined proven strategies and common pitfalls when connecting with professionals, stressing that networking requests should be strategic and meaningful rather than random connections.



BLOOD DONATION CAMP



Objective

The Blood Donation Camp was conducted to encourage voluntary blood donation, raise awareness about its life saving importance, and ensure a safe sufficient blood supply to those in needs. It aims to foster social responsibility, promote community service and support healthcare systems through organized and hygienic donation effort.

Details of the Event

The HVCO team along with H&WC team and Rotary Club Members organized Blood Donation Camp on September 18-19, 2025.

Registration and Welcome: Upon arrival, donors were warmly welcomed by volunteers. They were guided to a registration desk where they provided their basic information and filled out a donor form.

Pre-Donation Screening: This was a crucial step to ensure the safety of both the donor and the recipient. A quick health check was performed, which included measuring blood pressure, checking body temperature, and a haemoglobin test to ensure the donor wasn't anaemic.

The Donation Process: Once cleared, the donor proceeded to the donation area. They lay down on a comfortable bed or chair, and a phlebotomist (a professional trained in drawing blood) cleaned a small area on their arm and inserted a sterile needle. The blood was collected in a sealed bag. The process was quick, usually lasting only 10-15 minutes.

Post-Donation Care: After the blood was collected, the donor was guided to a rest and recovery area. They were encouraged to relax for a while and were offered refreshments such as juice, water, and cookies. This helped to rehydrate the body and stabilize blood sugar levels. Medical staff remained

on hand to monitor donors for any adverse reactions like dizziness. Certificate and Appreciation: Donors were given a certificate of appreciation and a medal to recognize their selfless act. This gesture reinforced the value of their contribution and encouraged them to donate again in the future.

Organising Team

- Chief-Faculty Coordinator: Dr Tanveer Naved
- Faculty Coordinators: Dr Archana Sharma, Dr Rupesh Gautam, Dr Poornima Suryanath, Dr Umesh
- Executive team & Core Team of Students

Outcome

A blood donation camp fostered a sense of community solidarity, bringing together diverse groups for a shared, altruistic goal. This collective effort strengthened social bonds. Participants felt a heightened sense of social responsibility and the act was a powerful expression of empathy and a commitment to helping others. Total 305 (from 384 Candidates) Units blood collected first day dt 18 sep'2025 and 214 (from 256 Candidates) on second day. Rejection was on the basis of Weight, B.P., Haemoglobin etc._



Rx Club Activity

National Pharmacovigilance Week & World Pharmacists Day Celebrations

The RX Club, Amity Institute of Pharmacy, organized a series of events to commemorate National Pharmacovigilance Week (18th -23rd September) and World Pharmacists Day (25th September, 2025.) The celebrations included:

- A series of expert guest lectures by distinguished professionals from industry and academia.
- PharmaFlix, an engaging student-centric activity combining learning with creativity.
- The Pharma Summit (UN Simulation), providing a platform for

policy debate and leadership development.

Guest Lecture – Dr. Jamal Anwar Baig

Occasion: National Pharmacovigilance Week

Date: 18th September 2025

Lecture by: Dr. Jamal Anwar Baig, PhD – Multicounty Safety Head, South Asia & Indochina, Sanofi India Ltd.

Topic: Regulatory Landscape of Pharmacovigilance in India

Key Takeaways:

- Strengthening of PV regulations in India.
- NDCT Rules (2019) and SAE reporting requirements.
- Importance of Phase IV safety studies.
- Compliance with PSUR/PADER timelines and Schedule M-6.

1. Guest Lecture – Mr. Abhay Salve

Occasion: National Pharmacovigilance Week

Date: 19th September 2025

Lecture by: Mr. Abhay Salve – Director, Business Transformation, Ultragenic

Topic: Artificial Intelligence in Pharmacovigilance

Key Takeaways:

- AI-enabled detection and prediction of ADRs.
- Improved efficiency in drug safety monitoring.
- Technology as a driver of innovation in PV.



2. Guest Lecture – Dr. Manish Narang

Occasion: World Pharmacists Day

Date: 25th September 2025

Lecture by: Dr. Manish Narang – Director, Medical Affairs, Asia Pacific (Cardiovascular Division), Abbott Laboratories

Topic: Pharmacists as Innovators and Leaders

Key Takeaways:

- Pharmacists as leaders, innovators, and change-makers.
- Perseverance and creativity in professional growth.
- Pharmacy as a profession with social responsibility.



3. Pharma Summit (UN Simulation)

Occasion: World Pharmacists Day Celebration

Date: 25th September 2025

Organized by: RX Club, Amity Institute of Pharmacy

Theme: Safe Abortion Practices – Pharmacovigilance, Accessibility & Technology

Proposed Sub-Agendas:

- Post-marketing surveillance of abortion-related medicines.
- Ensuring quality, safety, and accessibility in different healthcare settings.
- Pharmacovigilance for monitoring adverse events and preventing misuse.
- Technological interventions for safer drug delivery and patient monitoring.

Key Takeaways:

- Strong PV systems are critical for abortion medicines.
- Global safety data sharing enhances regulatory oversight.
- Addressing accessibility gaps and counterfeit risks.
- Technology supports safer and more accountable medical use.

- Development of negotiation, policy, and leadership skills in a pharma-centric context.

Winners:

1. Best Delegate : Kumkum Joshi
2. High Commendation: Drishti Chauhan



Pharmaflix

Occasion: World Pharmacists Day Celebration

Date: 18th - 25th September 2025

Organized by: RX Club, Amity Institute of Pharmacy

Theme: ADR reporting: Report to Pvp

An innovative social media-based initiative where participants create short reels on Adverse Drug Reaction (ADR)-related topics. The aim is to raise awareness about ADRs in a creative, relatable way that resonates with a Gen Z audience.

Winners of Pharmaflix will earn the opportunity to showcase their reels at the Indian Society for Clinical Research (ISCR) Meeting, attended by experts and professionals from leading multinational companies in the field of pharmacovigilance and clinical research.

Winners:

1st position: Mayank and Kashish

2nd position: Ankit

3rd position: Sachin



RADAR- Regulatory Affairs & Drug Analysis Review

Organized by: INYAS & Centre of Pharmaceutical Regulatory Affairs, AIP, AUUP

The Centre of Pharmaceutical Regulatory Affairs at Amity Institute of Pharmacy, in collaboration with the Indian National Young Academy of Science (INYAS), in esteemed presence of Professor H R Chitme Sir has launched a monthly intellectual series titled "RADAR – Regulatory Affairs & Drug Analysis Review." The first event of the series, was conducted on 22nd August 2025. The focus was to introduce students to global regulatory debates and sharpen their analytical skills through structured group discussions.

Theme of Discussion

"Tariffs on Pharmaceuticals: Protecting Business or Hurting Patients?"



The topic highlighted a pressing global issue: whether imposing tariffs on pharmaceutical products helps safeguard national business interests or ultimately harms patients by restricting access to affordable medicines.

Event Highlights

- Students passionately debated whether tariffs serve as a protective measure for domestic industries or create unnecessary barriers in healthcare accessibility.
- Several participants highlighted India's role as the "Pharmacy of the World" and the ethical responsibility to ensure affordable drug access globally.
- Others emphasized the importance of protecting innovation and strengthening India's pharmaceutical economy against external competition.
- The real-time allocation of team stances (Pro or Con) challenged



students to think beyond personal biases.

The prizes were distributed to the students who performed well and certificates were distributed to all the participants, attendees and the winning team.



PHARMAYUG 2025 – World Pharmacist Day

Flagship Event of the Innovation & Entrepreneurship Cell (IEC)

Dates: 22 – 25 September 2025 | Total Duration: 96 Hours

ABOUT PHARMAYUG

Pharmayug 2025 was the **four-day flagship celebration of innovation, entrepreneurship, and pharmaceutical excellence**, hosted by the **Innovation & Entrepreneurship Cell (IEC)** of the **Amity Institute of Pharmacy (AIP)** to commemorate **World Pharmacist Day**.

The event aimed to **encourage entrepreneurial thinking**, strengthen **industry-academia linkages**, and celebrate **creativity and innovation** in pharmacy and healthcare through a blend of **academic sessions, cultural performances, and startup showcases**.

EVENT SCALE & REACH

- **Total Participants:** 350+
- **Audience Footfall:** 500+ over four days
- **Institutions Represented:** Participants from across **Delhi-NCR and beyond**, including *SRM University, Delhi Institute of Pharmaceutical Sciences & Research (DIPSAR), Bharti College (Delhi University), Manipal College of Pharmaceutical Sciences*, and several Indian colleges.
- **Sponsors & Partners:** 5+ brands and institutional collaborators
- **Social Media Impressions:** 2,50,000+
- **Event Duration:** 4 days | 96 hours of activities and engagement
- **Scale:** Multi-sponsor, inter-university flagship event

FLAGSHIP EVENTS AT A GLANCE

Date	Event Highlights
22 Sept (Mon)	Inaugural Conclave & Panel Discussion on <i>“The Rise of Medical Tourism in India: What Does It Mean for Our Healthcare System?”</i> followed by Rangmanch – Poetry, Monoacting & Skit competition.
23 Sept (Tue)	Vaidyakala – Cosmetic Formulation Competition (lip balm, cream & lotion categories) alongside a vibrant Fun & Games Carnival with interactive stalls.
24 Sept (Wed)	Ideathon – Innovative Idea Pitching Competition with a prize pool of ₹7,000 and Qala Bazaar , a student-led entrepreneurial market with creative and lifestyle stalls.
25 Sept (Thu)	World Pharmacist Day Seminar on <i>“Global Trends in Pharmacy: Where’s the Industry Heading?”</i> , followed by the Grand Award & Felicitation Ceremony .

PHARMAYUG 2025 – DAY 1 HIGHLIGHTS

Date: Monday, 22 September 2025

Venue: C-Block Auditorium, Amity University Noida

Organised by: Innovation & Entrepreneurship Cell, Amity Institute of Pharmacy (AIP)

GRAND OPENING & BANNER DROP

The celebrations for **Pharmayug 2025** began with an energetic **banner drop ceremony**, symbolising the official start of the four-day flagship event. The moment was graced by the presence of:

- **Prof. (Dr.) Tanveer Naved** – Deputy Dean, Amity Institute of Pharmacy
- **Prof. (Dr.) Havagiray Chitme** – Head of Institution (HOI), AIP
- **Prof. (Dr.) Nitin Sharma** – Faculty Coordinator, Innovation & Entrepreneurship Cell
- **Dr. Sweta Bawari** – Faculty Coordinator, Innovation & Entrepreneurship Cell



- Faculty members and PhD scholars of the **Amity Institute of Pharmacy** Banner drop at J1-Block marking the beginning of Pharmayug 2025 in the presence of AIP leadership and faculty.

INAUGURAL CONCLAVE & PANEL DISCUSSION

Theme: "The Rise of Medical Tourism in India: What Does It Mean for Our Healthcare System?"

Time: 12:00 PM – 2:00 PM

After the ceremonial opening, the event moved to the **C-Block Auditorium** for the **Inaugural Conclave**.

- Prof. (Dr.) Havagiray Chitme**, HOI, AIP, delivered the **welcome address**, sharing the vision behind **Pharmayug** and encouraging students to embrace **innovation and entrepreneurship**.
- The session was formally opened by the dignitaries, followed by the **keynote panel discussion**.
- The event concluded with a **vote of thanks by Prof. (Dr.) Tanveer Naved**, acknowledging the panelists and the organising team.

Distinguished Panelists:

- Ms. **Bashobi (Gupta) Roy** – Co-Founder, Pulse Gym
- Dr. **Monika Bahl** – Founder & Director, Shodh Clinical Solutions

The panel explored **India's emergence as a global medical tourism hub**, addressing topics such as **affordable healthcare, infrastructure development, patient safety, technology adoption, and ethical practices**. Students participated actively in the **interactive Q&A session**, gaining practical perspectives on **healthcare entrepreneurship**



RANGMANCH – POETRY, MONOACTING & SKIT COMPETITION

Time: 2:00 PM – 5:00 PM

Venue: C-Block Auditorium

The cultural segment of Day 1 featured **Rangmanch**, an inter-university competition celebrating **theatre, poetry, and performance art on healthcare and social well-being**. Students expressed compelling messages through **poetry, monoacting, and group skits**.

Judges:

- Dr. Archana Sharma** – Amity Institute of Pharmacy
- Dr. Indu Singh** – Amity Institute of Pharmacy

Competition Results:

Category	Winner(s)	Institute
Solo Poetry	Savar Mahajan	Amity School of Economics, Amity University Noida

Category	Winner(s)	Institute
Monoacting (Tie)	Riya Raj Singh	Bharti College, Delhi University
	Anusha Singh	Amity University
Group Skit	Team A – Soumyajit Behera, Anuj Mishra, Arhaan Gulrez, Krishna Singhal, Laksh Sharma, Aryan Mittal	Amity University



The performances captivated the audience with **strong storytelling, emotion, and social relevance**, highlighting themes such as **patient care, mental health awareness, and accessibility in healthcare**.

KEY MOMENTS & IMPACT

- **Symbolic banner drop** marked the ceremonial start of Pharmayug 2025.
- **Academic insights** from distinguished panelists on **medical tourism and healthcare entrepreneurship**.
- **Cultural vibrancy** through Rangmanch, showcasing student creativity across universities.
- **Active involvement of AIP leadership, faculty coordinators, and PhD scholars**, motivating participants.



PHARMAYUG 2025 – DAY 2 HIGHLIGHTS

Date: Tuesday, 23 September 2025

Venue: J1 Block – 3rd Floor, Amity University Noida

Organised by: Innovation & Entrepreneurship Cell, Amity Institute of Pharmacy (AIP)

VAIDYAKALA – COSMETIC FORMULATION COMPETITION

Time: 1:00 PM onwards

Venue: J1 Block, 3rd Floor – Laboratory

Day 2 of **Pharmayug 2025** celebrated creativity and hands-on innovation with **Vaidyakala – the Cosmetics Formulation Competition**. Designed to blend **scientific knowledge with practical application**, the competition encouraged students to create their own **lip balms, creams, and lotions** from scratch.

Participants were **provided with essential apparatus, glassware, storage containers, raw materials, and a formulary guide** to design their formulations. They were evaluated on **formulation technique, product labeling, and overall presentation**.

JUDGES – DR. NEHA JAIN AND DR. SHREYA KAUL

Competition Results:

Category	Winners	Institute
Lip Balm	Nikita & Sampada	Amity University
Lotion	Lavanya & Nupur	Amity University

Category	Winners	Institute
Cream	Juwariyah & Mimansha	Amity University



The event fostered **practical pharmaceutical skills**, while encouraging innovation in the booming **cosmetic and personal care industry**.

FUN & GAMES

Time: 12:00 PM onwards

Venue: J1 Block – 3rd Floor

Running alongside **Vaidyakala**, the **Fun & Games zone** brought an exciting carnival-like atmosphere to **Pharmayug Day 2**. Designed for **interaction, relaxation, and team spirit**, the area featured a variety of entertaining stalls and mini-games, attracting both participants and spectators throughout the afternoon.

Popular stalls included:

- **Pictionary**
- **Bottle Flip Challenge**
- **Biscuits Blitz**
- **Ping Pong Toss**
- **Roll the Coin**
- **Orange Jar Balance**
- **Paper Cup Pyramid**
- **Exclusive “Amitown” Life-Size Game**



The **Fun & Games corner** provided a lively break from competitions, keeping the crowd engaged and creating an inclusive environment for students from different departments and universities to network and enjoy.

KEY MOMENTS & IMPACT

- Hands-on **cosmetic formulation experience** enhanced students' practical understanding of product development.
- Creative blend of **science and entrepreneurship** through product design and branding in Vaidyakala.
- **Fun & Games zone** created an interactive, energetic environment and encouraged **cross-campus student networking**.

PHARMAYUG 2025 – DAY 3 HIGHLIGHTS

Date: Wednesday, 24 September 2025

Venue: C-Block Auditorium & J1 Block – 3rd Floor

Organised by: Innovation & Entrepreneurship Cell, Amity Institute of Pharmacy (AIP)

IDEATHON – INNOVATIVE IDEA PITCHING COMPETITION

Time: 10:00 AM onwards

Venue: C-Block Auditorium

Prize Pool: ₹7,000

Day 3 of **Pharmayug 2025** ignited the entrepreneurial spirit of young innovators with **Ideathon** – a startup, prototype and idea pitching competition designed to encourage **creative problem-solving and startup thinking**.

Participants presented **novel business concepts**, evaluated on:

- **Innovation & Creativity**
- **Problem-Solving Ability**
- **Feasibility & Future Scope**
- **Presentation & Clarity of Idea**

Winners:

Position	Team	Idea Pitched	Institute	Prize
Winner	Team 13 – Dhruv & Prateek	<i>Aluune</i> – Skincare startup with unique marketplace model & add-on innovations	Amity Institute of Pharmacy	₹5,000
Runner-Up	Team 3 – Md Asif Alam, Saurav Kumar, Dipti Kumari, Shadab Ali Khan	<i>Genomitra</i> – AI-powered platform predicting side effects & recommending safer drug alternatives based on patient genetic profile	SRM University	₹2,000

The event highlighted **cutting-edge entrepreneurial ideas** in healthcare, with students showcasing well-researched **business models, market analysis, and technological integration**.

Judging Panel & Guests of Honour:

- Ms. **Arushi Gupta** – Alumna, Amity Institute of Pharmacy; Lead Associate - Research & Analytics at WNS
- Dr. **Garima Agarwal** – Head Of Department, Amity Business School
- Prof. (Dr.) **Nitin Sharma** – Faculty Coordinator, Innovation & Entrepreneurship Cell
- Dr. **Sweta Bawari** – Faculty Coordinator, Innovation & Entrepreneurship Cell

The presence of distinguished alumni and faculty **inspired students to bridge innovation with real-world business impact**.



QALA BAZAAR – STUDENT ENTREPRENEURSHIP FAIR

Venue: J1 Block – 3rd Floor

Running parallel to Ideathon, the **Qala Bazaar** transformed the J1 Block into a **creative entrepreneurial marketplace**, where students showcased and sold their **handmade products, art, fashion, and innovative small businesses**. The bazaar was a vibrant initiative by the **Innovation & Entrepreneurship Cell (IEC)** to encourage student-led startups and hobbies.

Participating Stalls Included:

Bunaav, Little Dangles, Blissful Adornments x Threadz n Knotz, Dreamlistt, Lucidknots, Whatknot, SeriJewels, OML Look Store, Scentsation,

Rimjhim Gems & Threads, Hisak Hair, The Blue Brigade, April Jewels, KainotaStore, Dream Weavers, Craft Graft, Nails by Aarna, Dangy Threads, Colour Raze, Aastra India, Robonics, The Creative Delight, Auric Jyoluxe, Crescent Handcrafted Studios.

The bazaar witnessed **steady footfall and enthusiastic shopping**, blending **creativity, entrepreneurship, and campus energy**.

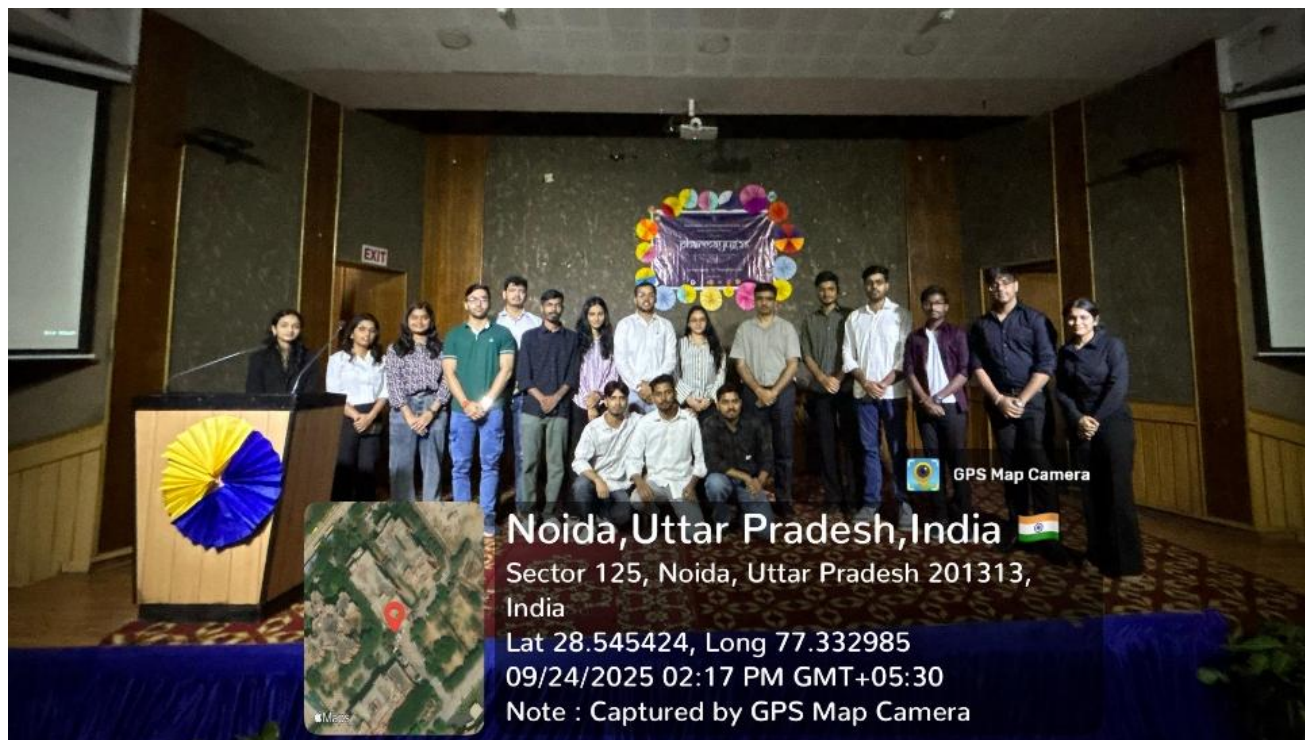
Special Recognition:

- **Highest Sales:** *OML Look Store* by **Tanisha (Amity University)** – Achieved sales of **₹17,000** and was felicitated for outstanding entrepreneurial performance.



KEY MOMENTS & IMPACT

- **Ideathon** fostered **high-level entrepreneurial thinking**, with real-world business models in healthcare & technology.
- Presence of **industry professionals, alumni, and business faculty** added mentorship value.
- **Qala Bazaar** gave a platform to **student-led small businesses**, promoting creativity and real-time selling experience.
- The day successfully combined **pitching, mentorship, and live entrepreneurship** for a holistic learning experience.



PHARMAYUG 2025 – DAY 4 HIGHLIGHTS & WORLD PHARMACIST DAY CELEBRATION

Date: Thursday, 25 September 2025

Venue: E2 Block – Seminar Hall, Amity University Noida

Organised by: Innovation & Entrepreneurship Cell, Amity Institute of Pharmacy (AIP)

SEMINAR – GLOBAL TRENDS IN PHARMACY

Theme: “Global Trends in Pharmacy: Where’s the Industry Heading?”

Time: 11:00 AM onwards

The concluding day of **Pharmayug 2025** was marked by the celebration of **World Pharmacist Day** and an insightful **seminar on the evolving trends in the pharmaceutical industry**. The session brought together **industry experts, academic leaders, and budding pharmacists** to explore the **future direction of pharmacy and healthcare innovation**.

Guest Speakers & Guests of Honour:

- **Dr. Neha Arora** – Head of Human Resource Operations, Arbro Pharmaceuticals Pvt. Ltd.
- **Dr. D. Sreedhar** – Professor of Pharmaceutical Regulatory Affairs & Management, Manipal College of Pharmaceutical Sciences

The seminar opened with **welcome addresses by Prof. (Dr.) Chitme (Head of Institution, AIP)** and **Prof. (Dr.) Tanveer Naved (Deputy Dean, AIP)**, who extended greetings on **World Pharmacist Day** and spoke about the **critical role of pharmacists in advancing global healthcare**.

The distinguished speakers shared deep insights into:

- Emerging **global market trends in pharmacy and life sciences**.
- The growing role of **regulatory affairs, compliance, and innovation**.
- **Future opportunities for pharmacy professionals** in research, technology, and entrepreneurship.

Students and faculty engaged actively in the session, gaining **career-focused knowledge and global perspectives** on the pharmaceutical sector.

AWARD & FELICITATION CEREMONY

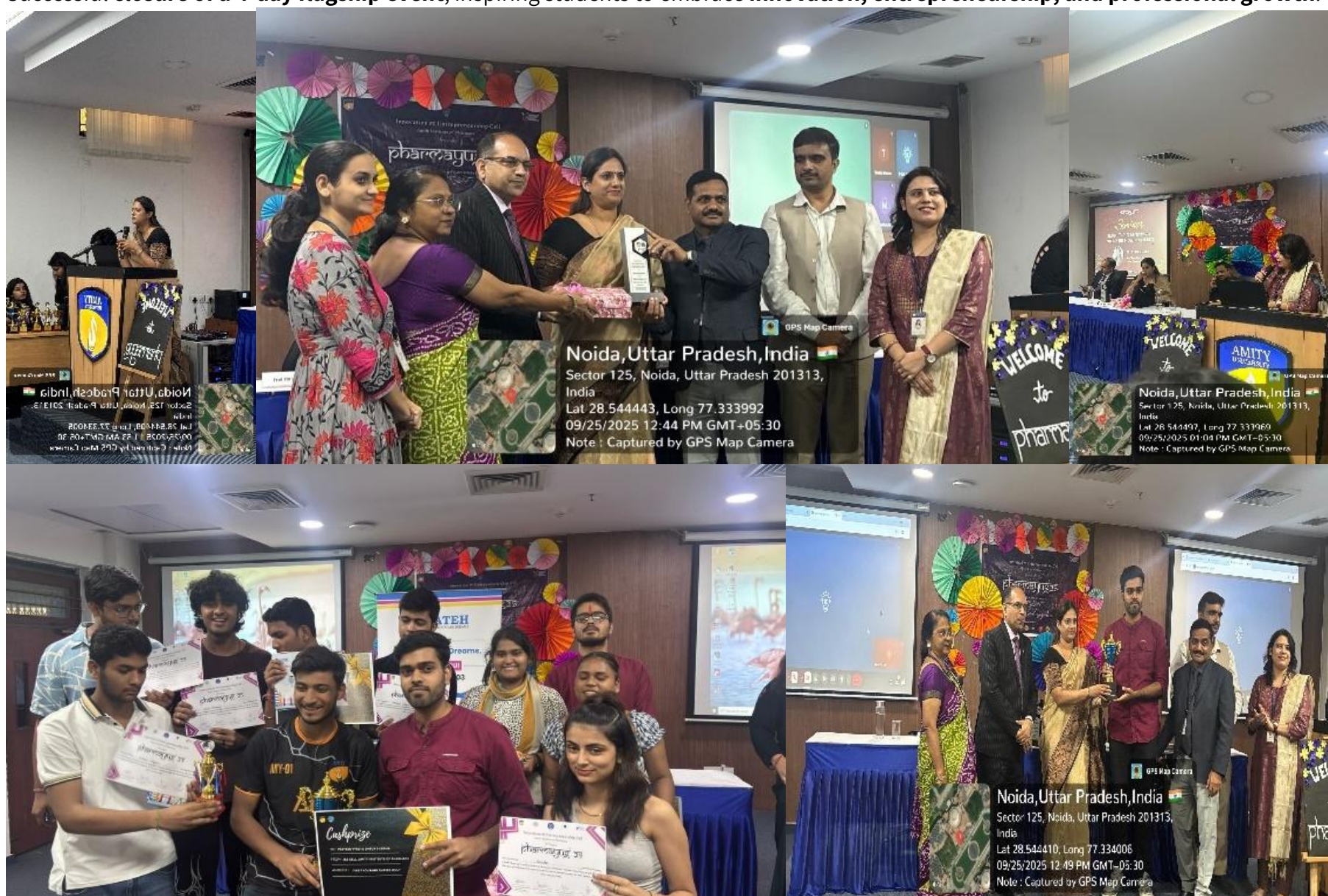
Following the seminar, **winners of all Pharmayug 2025 competitions** – including **Rangmanch, Vaidyakala, Ideathon, and other activities** – were **felicitated with awards, certificates, and Ningen gifting kits** for their achievements.

The ceremony also honoured the **student organisers and volunteers** of the **Innovation & Entrepreneurship Cell** for their dedication and effort in executing the four-day flagship event.

- **Core I&E Cell Members** were presented with **mementos** by the guest speakers, **Prof. (Dr.) Chitme**, and **Prof. (Dr.) Tanveer Naved**.
- **Pearl Sharma (President, IEC-AIP)** and **Divyanshu Srivastav (Vice President, IEC-AIP)** addressed the gathering, expressed gratitude to the guests, faculty mentors, and sponsors, and formally **closed the ceremony** with their reflections on the success of **Pharmayug 2025**.

KEY MOMENTS & IMPACT

- **World Pharmacist Day** celebrated with meaningful discussions on **global pharmacy trends and future opportunities**.
- Recognition of **student innovators, performers, and organisers** across all four days of Pharmayug 2025.
- **Industry-academia connection strengthened** through expert talks by leaders from **Arbro Pharmaceuticals** and **Manipal College of Pharmaceutical Sciences**.
- Successful **closure of a 4-day flagship event**, inspiring students to embrace **innovation, entrepreneurship, and professional growth**.



ACKNOWLEDGEMENTS

The **Innovation & Entrepreneurship Cell (IEC)** of the **Amity Institute of Pharmacy (AIP), Amity University Noida**, extends its deepest gratitude to everyone whose vision, support, and dedication made **Pharmayug 2025** a grand success.

We respectfully acknowledge and thank:

- **Dr. Ashok K. Chauhan**, *Founder President, Amity Education Group*, whose vision of excellence and innovation continues to inspire students to lead with creativity and entrepreneurial spirit.
- **Dr. Atul Chauhan**, *President & Chancellor, Amity University*, for his constant encouragement in fostering a global outlook and industry-driven learning culture.
- **Prof. (Dr.) Balvinder Shukla**, *Hon'ble Vice-Chancellor, Amity University*, for her continued guidance and motivation to create platforms that nurture innovation and leadership.
- **Prof. (Dr.) Chitme**, *Head of Institution (HOI), Amity Institute of Pharmacy*, for his invaluable direction, inspiring leadership, and active involvement throughout the planning and execution of Pharmayug 2025.
- **Prof. (Dr.) Tanveer Naved**, *Deputy Dean, Amity Institute of Pharmacy*, for his mentorship, encouragement, and unwavering support across the four-day flagship event.
- **Faculty Coordinators of IEC – Prof. (Dr.) Nitin Sharma & Dr. Sweta Bawari**, for their tireless efforts, strategic guidance, and support in ensuring the smooth execution and success of Pharmayug 2025.
- All **faculty members, research scholars, and staff of AIP** for their cooperation and enthusiasm in making the event engaging and impactful.
- Our esteemed **guest speakers, panelists, judges, and industry experts** for sharing their invaluable insights and inspiring students through their expertise and professional journeys.
- Our **sponsors & partners** – *Fateh Education (Official Sponsor), Trip 24/7 (Travelling Partner), Bunkpages (Printing Partner), Ningen (Gifting Partner), and MAPS (Manipal College of Pharmaceutical Sciences) as our Institutional Collaborator* – for their partnership and support that made Pharmayug 2025 possible.

A heartfelt appreciation is extended to the **student organising team of the Innovation & Entrepreneurship Cell**, whose relentless dedication, innovative approach, and seamless coordination brought **Pharmayug 2025** to life:

DIRECTORATE

- **President:** Pearl Sharma
- **Vice President:** Divyanshu Srivastav
- **General Secretary:** Abhishek
- **Joint Secretary:** Yashika
- **Joint Secretary:** Harshita
- **Treasurer:** Saarthak

EVENT LOGISTICS

- **Convener:** Harshita
- **Chairperson:** Kanshi
- **Associate Chairpersons:** Jaskirat & Shivansh

DESIGN & MEDIA AFFAIRS

- **Convener:** Yashika
- **Chairperson (Media):** Tanisha
- **Associate Chairperson (Media):** Sayra
- **Chairperson (Design/Graphics):** Anushka Sharma
- **Associate Chairperson (Design/Graphics):** Mahtab

MARKETING & EXTERNAL AFFAIRS

- **Convener:** Abhishek
- **Chairperson:** Arushi
- **Associate Chairpersons:** Nupur & Vedika

FINANCE & COMPLIANCE

- **Convener:** Saarthak
- **Chairperson:** Anshika
- **Associate Chairpersons:** Chaitanya & Kanika

GENERAL OPERATIONS

- **Associates:** Abhilaksh, Sara, Virraj

Gratitude to all **participants and attendees** — students from **Amity University** and leading institutions across India — for their enthusiasm, creativity, and innovative spirit, which made Pharmayug 2025 vibrant, inclusive, and impactful.

KEY TAKEAWAYS – PHARMAYUG 2025

Pharmayug 2025, the four-day flagship event of the **Innovation & Entrepreneurship Cell (IEC), Amity Institute of Pharmacy**, successfully blended **academic excellence, entrepreneurial thinking, creativity, and professional networking**.

The event served as a powerful platform for students to **learn, innovate, and lead** within the pharmaceutical and healthcare sectors.

1. Strengthening Industry–Academia Connect

- Students interacted with **renowned industry experts, entrepreneurs, and alumni**, gaining real-world insights on **global pharmacy trends, medical tourism, and startup ecosystems**.
- Practical exposure to **innovation in product development** and **regulatory affairs** prepared participants for evolving career opportunities.

2. Hands-on Innovation & Entrepreneurship Experience

- Through events like **Ideathon** and **Vaidyakala**, students translated ideas into **business models and tangible products**, fostering **problem-solving and design-thinking skills**.

- **Qala Bazaar** provided an entrepreneurial marketplace for students to **sell products, test market response, and experience real business challenges.**
- 3. Creative Expression in Healthcare Communication**
- Competitions like **Rangmanch** showcased the power of art and performance in spreading **awareness on healthcare and societal well-being**, encouraging empathy and impactful communication.
- 4. Celebrating World Pharmacist Day with Purpose**
- The **World Pharmacist Day seminar** connected students to **global trends, innovation opportunities, and leadership roles** in pharmacy, inspiring them to become **future-ready professionals.**
 - Recognition of **winners and core organisers** created a culture of **achievement and appreciation.**
- 5. Leadership & Team-Building**
- The **Innovation & Entrepreneurship Cell** demonstrated strong organisational skills by planning and executing a **96-hour, multi-sponsor, multi-institute event** with over **350+ participants and 500+ footfall.**
 - Students gained experience in **logistics, marketing, media management, finance, and large-scale event execution** — vital skills for future careers.
- 6. Expanding Reach & Visibility**
- Pharmayug 2025 achieved **1,30,000+ social media impressions** and **2,50,000+ media impressions**, amplifying **Amity Institute of Pharmacy's reputation as a hub for innovation and entrepreneurship.**
 - Participation from **leading institutes across India** (including SRM University, DIPSAR, Bharti College DU, Manipal College of Pharmaceutical Sciences, and South Indian colleges) showcased the event's **national-level impact.**

Pharmayug 2025 stands as a testament to Amity Institute of Pharmacy's commitment to nurturing innovation, entrepreneurship, and global leadership in pharmacy and healthcare.

Teacher's Day Celebration

Teacher's Day at Amity Institute of Pharmacy was celebrated with great enthusiasm and heartfelt gratitude. The event began with a traditional lamp-lighting ceremony followed by inspiring speeches from students highlighting the invaluable role of educators in shaping their future. Faculty members were felicitated with mementos and floral tributes. Students showcased their creativity through skits, musical performances, and fun games involving teachers. The highlight of the day was a short video montage featuring memorable classroom moments and student messages. The celebration beautifully reflected respect, unity, and the spirit of learning that defines the Amity community.





Faculty Birthday Celebration



GLIMPSES OF ORIENTATION PROGRAMME 2025



Students Achievements

Name:	Academic year:	Details:	Profile Photo	Certificate/proof
Samidha Singh	1st Yr M Pharm	Participated in International conference on recent advances in molecular and translational research in MASLD (2025), held at DPSRU on 25-26 august. Poster presentation on Advances in Nanocarrier mediated therapeutics for cervical cancer treatment		
Shraddha Singh	2nd Yr M Pharm	Participated in the Materiovigilance Awareness Programme, Workovigilance, SMS Medical College, Jaipur. Date: 12th August, 2025. Poster Presentation Participation in International Conference Organised by Delhi Pharmaceutical Sciences and Research University (DPSRU). Date: 25th and 26th August, 2025.		
Perna Varshney	1st Yr M Pharm	Participated in International conference on awakening wellness: challenges and solutions (17-18 September 2025) participation		

<p>Aarti Datta</p>	<p>2nd Yr B Pharm</p>	<p>Participated in Pharmaura 2025, a prestigious pharmaceutical event at SGT University, Gurugram, organized by IPGA Student Forum (IPGA-SF).</p> <p>She took part in the Immunization and Food Distribution Drive organized by IPGA-SF and RHA India on August 21, 2025, at Chandiwala Circle.</p> <p>She was honoured to be recognized as the Best Central Council Member of the Quarter by the IPGA Student Forum (IPGA-SF). Serving as the Director of Public Relations (PR) for tenure 2025-2026.</p>		
<p>Srishti Kalra</p>	<p>3rd Yr B Pharm</p>	<p>In Organising Committee of PHARMAURA a national level conference - 26-27 september 2025</p> <p>Anchored and Participated in Unlocking IPSF: a guided Introduction by IPGA-SF- 25 July 2025</p> <p>Participated in Ngo Drive at Seniors Abode - 10 August 2025</p> <p>In Organisation Committee of Last Minute Standing organised by IPGA-sf in collab with SPER, Jamia Hamdard - 21 August 2025</p>		 
<p>Shubham Garg</p>	<p>2nd Yr B Pharm</p>	<p>Blood donation camp 18 September 2025</p>		

<p>Manya Bajaj</p>	<p>1st Yr M Pharm</p>	<p>Participated and presented in oral presentation at International Conference on Awakening Wellness: Challenges and Solutions organized by Maharishi University</p>		
<p>Kanishka Varshney</p>	<p>1st Yr M Pharm</p>	<p>Got second position in poster presentation on topic "Smart Biomaterials and Molecular Modulators for Accelerating Scareless Healing" in International conference on Frontiers in Pharma: Integrating AI, Nano-Engineering & Genomics in Drug Discovery and Delivery held on 29-30 September 2025 at Amity University, Noida. Attended seminar on Current trends in Medical Application of Radiation.</p>		
<p>Jahnvi Bhar</p>	<p>4th Yr B Pharm</p>	<p>Completion of a 6-day workshop in Molecular Biotechnology, PCR, and SDS-PAGE 1-6 September by the ICSCCB in New Delhi, guided by Dr. Sheo Mohan Singh</p>		
<p>Aanika Sominder</p>	<p>4th Yr B Pharm</p>	<p>Awarded First Prize for my outstanding poster presentation, At the prestigious International Conference "Frontiers in Pharma: Integrating AI, Nanoengineering, and Genomics in Drug Discovery and Delivery,"</p>		

Leading Recruiters at the Amity Institute of Pharmacy

Placement Drives

1. PharmAce online drive was held on 9th September 2025 for B.Pharm and M.Pharm students, following students were selected
 - i) Astha Singh M.Pharm (Pharmaceutics)
 - ii) Aman Patra M.Pharm (PC)
 - iii) Sanjoli Singh B.Pharm
2. Tata 1mg Initial screening round was held on 12th October 2025.
3. Xogene online drive was held on 14th October, Shivam Pathak (M.Pharm- Pharmaceutics) reached the final round.

Paid Internship

1. Pharma&) online drive was held on 2nd July 2025, Aditya Srivastava, M.Pharm (Pharmacology)
1. Haleon (GSK) online drive was held on 29th July 2025, following students got selected
 - i.) Prerna M.Pharm - PRA
 - ii) Gayatri M.Pharm PRA
2. FreyrSolutions online drive was held on 23rd September 2025 and following students were selected
 - i.) RUPAM BERA Pharm (Pharmaceutics)
 - ii) KUSUMA LATHA. K M.Pharm (Pharmaceutics)
 - iii) KRISHNAJIT MALAKAR M.Pharm (PRA)
 - iv) ARINDAM DE M.Pharm (PRA)
 - v) Kanishka Arora M.Pharm (PRA)
 - vi) Simran Nayan M.Pharm (PRA)

PLACEMENT AT A GLANCE		
Some of the corporates where our students are working:		
		
		
		
		
		
		
		
		
		
		
		
		
		

Articles by the students

NEXT-GENERATION DIABETES CARE: AI-INTEGRATED ORAL NANO-TABLETS FOR REAL-TIME GLUCOSE MONITORING

Diabetes is one of those conditions that quietly but powerfully shapes the lives of millions across the world. Behind every number and statics is a person managing constant vigilance, watching what they eat, measuring their blood sugar, and worrying about sudden fluctuations that could change how they feel within minutes. Diabetes happens when the body can no longer control blood sugar properly, either because it does not produce enough insulin or because the cells stop responding to it. When this delicate balance is lost, sugar level rises and begins to damage vital organs, leading to complications like heart disease, kidney failure, nerve pain or even blindness.

For most people living with diabetes, daily blood glucose monitoring is part of life. The traditional method of pricking a fingertip to get a drop of blood is effective but very uncomfortable. Doing it multiple times in a day can cause pain, skin irritation, and even anxiety. Continuous glucose monitors, or CGMs, have improved things by providing ongoing readings through small sensors placed under the skin. However, this comes with drawbacks. The sensors can be irritating, they require regular maintenance, and everyone can afford them. Many people still struggle with compliance because monitoring remains inconvenient and, at times, intrusive.

Now imagine a world where checking your blood sugar could be as simple as swallowing a tablet. no needles, no sensors attached to your body, just a tiny, intelligent pill that does the work for you. That is the idea behind a new concept being developed by a 1st year student from pharm, at amity institute of pharmacy, amity university: AI INTEGRATED ORAL NANO TABLETS FOR REAL TIME GLUCOSE MONITORING.

The idea combines three revolutionary fields - nanotechnology, biosensors and artificial intelligent - to create a small, swallowable device capable of measuring glucose directly inside the digestive system, the tablets is coated with protective, biocompatible shell that allow it to survive in harsh conditions as in stomach. Once it reaches the small intestine where the most glucose absorption occurs the coating dissolves, activating the tiny biosensors inside.

At the heart of the tablet lies an enzyme called glucose oxidase, which reacts specifically with glucose molecules. When the intestinal fluids containing glucose interact with enzymes, it triggers a reaction that produces hydrogen peroxide. This chemical reaction creates electrical signals, which are detected by miniature nanostructured electrodes inside the tablets. a built-in microchip amplifier and converts these signals into digital data. Within seconds, that information is sent wirelessly via Bluetooth or radio frequency to a smartphone, smartwatch, or another connected device.

Once the data reaches the device, AI takes over, the AI system just does not record glucose levels - it interprets them, it studies patterns, recognizes abnormal changes, and can even predict when glucose level might become dangerous. If a sudden drop or a spike is detected the system can instantly alert the patient or health care professional, over time, the AI learns how the person's body behaves - after meal, during sleep, or under stress - and offer personalized suggestions, reminders, and even preventive recommendations.

What makes this concept so remarkable is not just its technology, but its human impact. For someone who's lived with diabetes for years, being able to monitor the glucose level painlessly could mean freedom from needles, constant worry, and from the discomfort of wearing sensors all day. It can also mean safer living. Many people with diabetes experience dangerous glucose level change at night, when they are unaware. a smart tablet like this could catch these moments early and prevent serious complications before they happen.

In practical terms, a patient might only have to swallow the tablets daily or weekly. The tablet continuously monitors the glucose level as it passes

naturally through the GIT tract, providing the real time information, after completion their task it can harmlessly excrete naturally, leaving no residue in the body.

The AI-enabled oral nano tablets represent more than a just medical innovation - its promise of comfort and dignity for people to managing a lifelong condition, it bring us together cutting- edge science and real human need, offering future where monitoring a health is not a burden but a simple, natural part of a daily life. As research continues and clinical trials progress, this technology could transform the way we think about chronic disease care, paving the way for generation of smart, non-invasive, and truly patient-friendly treatment.

In the end, the goal is not just better data – it is better life. The tiny tablet could help millions live more freely, more safely and with more confidence. It reminds us that the best innovations in medicine are not just about machines or molecules-they 'are about giving people back control over their own health, one small, intelligent step at a time.

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Name- Saiyam

Semester: 1st

Programme: B. Pharm.

Enrollment no: A4513325098



TUNING YOUR MOOD: HOW THE TIMING OF FOOD ALIGNS YOUR CIRCADIAN CLOCK TO COMBAT DEPRESSION

ABSTRACT

Depression, a mood disorder which affects about 5% of the world population and circadian rhythm which controls our 24-hour bodily cycle are interrelated with the food that we consume at the time. Regular eating patterns synchronized with the body's peripheral clock promote mood stability. Whereas, irregular eating patterns chronodisturbs circadian rhythm leading to mood disorders like depression, anxiety and health issues. Hormones and genes like melatonin, leptin, serotonin, CLOCK, BMAL1, PER and CRY genes play a major role in maintaining circadian rhythm and depression.

In today's world people are more prone to psychological disorders and physiological diseases due to nocturnal eating's. Which increases metabolic burden, decreases sleep quality and emotional stability. Following Time restricted eating helps in stabilizing circadian rhythm and mood disorders. Studies were conducted on rats which showcased that chronodisruption leads to disruption in circadian rhythm which makes rats prone to depression, further clinical trials are required to study the same effects on humans.

KEYWORDS

Depression; Circadian Rhythm; Hormones; Genes

INTRODUCTION

Every cell in the body is governed by a circadian rhythm—a precise 24-hour cycle essential for regulating hormones, metabolism, and sleep. This rhythm is managed by a master clock in the brain, but it's replicated by peripheral clocks found in nearly all other cells. . Regular eating patterns synchronized with the body's peripheral clock promote

mood stability whereas, irregular eating patterns chronodisrupts circadian rhythm leading to mood disorders like depression, anxiety and health issues. Hormones and genes like melatonin, leptin, serotonin, CLOCK, BMAL1, PER and CRY genes plays a major role in maintaining circadian rhythm and depression.

ROLE OF HORMONES, GENES AND OTHER FACTORS IN REGULATION OF CIRCADIAN RHYTHM

Serotonin, a key regulator of mood and emotional stability, is synthesized in alignment with circadian rhythms, late-night eating has been associated with delayed serotonin production, which potentially diminishes serotonin availability during critical mood regulation periods. Leptin, an anorexigenic hormone that promotes satiety during sleep follows a nocturnal peak, but is blunted by late-night eating, whereas ghrelin secretion increases, encouraging continued food intake and metabolic instability. Late-night eating has been linked to dysregulated dopamine rhythms, potentially increasing susceptibility to anhedonia and depressive symptoms (Figure 1). Prolonging cortisol elevation at night, leads to dysregulation of the hypothalamic-pituitary-adrenal (HPA) axis. At the molecular core, the master clock is driven by a feedback loop involving "clock genes" like BMAL1, CLOCK, PER, and CRY. They rhythmically activate and inhibit each other, maintaining the 24-hour timing (Figure 2). Chronodisruption can contribute to chronic inflammation, anxiety, obesity, and other health issues.

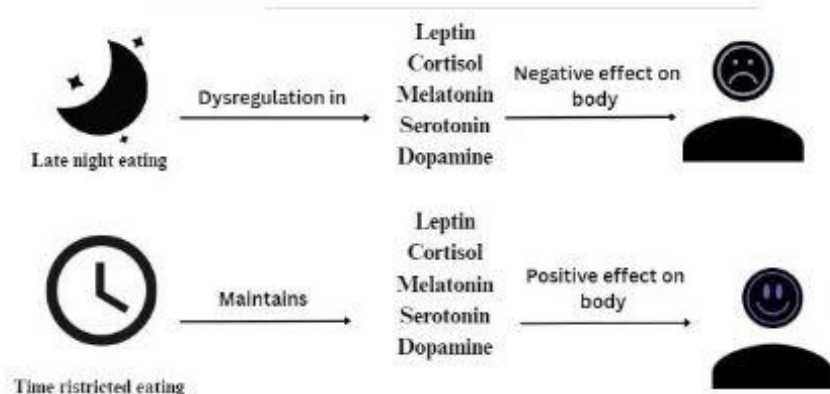


Figure 1 - Role of Hormones

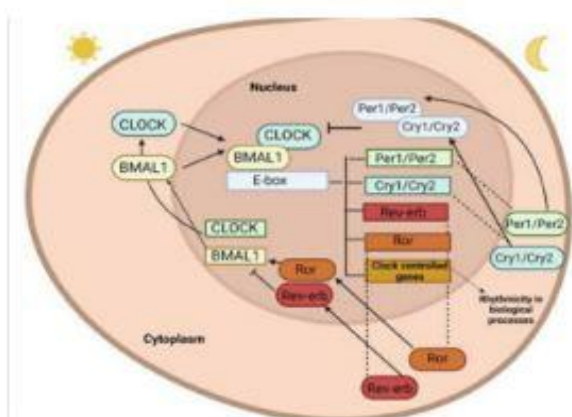


Figure 2 - Role of Genes

The master clock is constantly influenced by the microbiota-gut-brain axis, this connection allows the balance of our gut bacteria to directly impact the endocrine and nervous systems. The daily cycles of key circadian hormones like melatonin and glucocorticoids are known to influence the gut microbiome. The gut in turn, provides direct feedback to this system, establishing a powerful two-way regulatory loop between the bacteria and our internal timing. Acting on crucial cellular processes like energy metabolism and autophagy (cellular recycling), melatonin supports a healthy gut environment that is directly linked to neuroprotection.

CONCLUSION

Regular eating patterns synchronized with the body's peripheral clock promote mood stability whereas, irregular eating patterns chronodisrupts circadian rhythm leading to mood disorders like depression, anxiety and health issues. Following Time restricted eating helps in stabilizing circadian rhythm and mood disorders. Disruptions to the body's natural circadian rhythm, such as those caused by late-night eating, may increase the risk of depression and other mental health issues. The gut microbiome plays a crucial role in regulating the circadian rhythm and influencing mental health. Understanding the interplay between diet, circadian rhythm, and mental health may lead

to novel preventive and therapeutic approaches for mental health disorders.

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Semester: 3rd

Programme: B. Pharm

Enrollment No: A4513324028 & A451332404

Lecanemab: A breakthrough in Alzheimer's treatment

When we talk about diseases, certain names immediately come to mind. In these tough times, with cancer and cardiac arrest cases surging at an alarming rate, keeping illnesses at bay should be everyone's priority. However, people often focus only on life-threatening diseases. What they overlook are those conditions which may not be as severe as cancer or heart disease, yet can still ruin the quality of life for as long as one lives.

One such disease is Alzheimer's disease, which acts like a slow poison as it gradually destroys memory and thinking skills, eventually leading to the loss of the ability to perform even simple daily tasks. Abnormal proteins (amyloid plaques and tau tangles) cause this disease by slowly building up in the brain and killing neurons over time. What makes matters worse is the lack of disease-modifying therapies. For a condition that still has no definitive cure, the availability of such therapies is the need of the hour.

However, in a bid to delay the progression of the disease, Eisai and Biogen joined hands to launch a medication known as Lecanemab (sold as Leqembi). It is a monoclonal antibody medication that treats early Alzheimer's disease by targeting and reducing amyloid beta plaques in the brain. Now to understand the mechanism of Lecanemab, we first need to know what actually goes wrong inside the brain in Alzheimer's disease.

Mechanism of Action of Lecanemab

There are two types of abnormal proteins:

1. Amyloid-β (Aβ) plaques: sticky protein clusters outside neurons.
2. Tau tangles: entangled tau proteins inside neurons.

Now, a gene called APOE controls the fat transport in the brain. It has different variants. The APOE4 variant worsens Alzheimer's because it slows down the removal of Aβ plaques. Now, how do these Aβ plaques form? They are produced from an even bigger protein called APP (Amyloid Precursor Protein). Usually, an enzyme known as alpha-secretase cleaves APP safely, producing healthy fragments. But in Alzheimer's, a different enzyme altogether cleaves APP in a damaging way, starting the process of cell death. Then gamma-secretase cuts it again, producing the Aβ monomers, which are the single, soluble molecules and these clump together to form plaques eventually.

Now, onto how Lecanemab works: it targets the toxic soluble protofibrils which are the more harmful clumps of Aβ rather than the monomers. Because Lecanemab has little to no effect on the monomers. Once the medication enters the brain (in small amounts), it binds to the protofibrils, oligomers and even the plaques. After that, it signals the microglial cells which are the immune cell of the brain to "consume" and destroy the toxic clumps.

Administration and Dosing of Lecanemab

To initiate the treatment, a baseline MRI is required. After that, for the first 18 months (initiation period), it is administered twice-monthly. In this period, four MRIs are done (each before the 3rd, 5th, 7th and 14th infusion). The recommended starting dosage is 10 mg/kg infusion over 1 hour. Patients who are required to undergo treatment after 18 months (maintenance period)

may be able to retain the benefits of the drug longer. After that, the drug follows a once-monthly infusion or a once-weekly at-home subcutaneous injection (recently approved), known as LEQEMBI-IQLIK.

Trial Results Offer New Hope for Alzheimer's Patients

Eisai and Biogen released the results of their Clarity Alzheimer's Disease phase 3 trial of Lecanemab. The study had a sample size of 1795 people with early Alzheimer's in which half people (898) got the medication whereas half (897) got the placebo. The trial included patients with other health conditions and also recruited a diverse group of people (22% Hispanic and 4.5% Black in the US group). The key results showed that:

On the main test (CDR-SB, dementia severity scale), the medication slowed decline by 27% compared to placebo. Benefits started showing as early as 6 months. Other measures also improved like the cognitive test (ADAS-Cog14): 26% slower decline, daily activities (ADCS-MCI-ADL): 37% slower decline. Lecanemab also reduced the amyloid plaques in the brain significantly (as shown on the PET scans). Data also suggests that Lecanemab can slow the disease progression by 2.5 to 3 years.

Risks and Safety Concerns

It is a well-known fact that every drug has its pros and cons, and Lecanemab is no exception. It too has certain limitations that cannot be ignored. There are two major safety risks - ARIA-E (brain edema/effusion) and ARIA-H (microhaemorrhages, superficial siderosis or larger haemorrhages). Now, ARIA is the most well-documented adverse effect of Lecanemab as stated on the product also. It also requires regular MRI monitoring because ARIA can be symptomatic. Patients with a history of intracerebral haemorrhage, cerebral microbleeds or who are on strong blood thinners have higher bleeding risks if administered anti-amyloid antibodies.

Conclusion

Lecanemab has brought about a remarkable breakthrough in treatment of Alzheimer's disease, becoming the first therapy to actually slow the cognitive decline in early-stage patients. While its promise is undeniable, it comes with its own limitations and risks - brain swelling (ARIA), infusion reactions, high cost, and careful patient selection and monitoring. For pharmacy students and practising pharmacists, this emphasises patient counselling, understanding the drug's clinical limitations and vigilance for side effects.

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can show enlargement of the heart; an ECG can also be used to confirm the diagnosis. A heart biopsy may also be performed for more accurate diagnosis. Other tests may include Blood test to look for antibodies against viruses or heart muscle itself, viral PCR, blood test to check liver and kidney function. Treatment will be patient specific, but generally it will include antibodies to fight the infection, steroids to reduce swelling and diuretics.

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Effects of Viremia on CVS/Myocarditis

Viremia means presences of virus bodies or viral particles in blood circulation giving them access to the rest of the body.

One of the most common and associated effects of viremia over the cardiovascular system is myocarditis.

Myocarditis means the inflammation of the heart muscle. In the case of infants or children, it is called Pediatric myocarditis.

Myocarditis caused by infection that reaches the heart. When someone has an infection, their immune system produces specialized cells (T cells) to fight off the said infection. When the infection enters the heart, disease-fighting cells enter the heart as well; the chemicals made by these cells can also cause harm to heart muscles. As a result, the myocardium can become thick, swollen and weak.

Virus that may reaches the heart and cause myocarditis can include the SARS-CoV-2 virus, influenza virus, coxsackievirus, parvovirus, cytomegalovirus, adenovirus and others.

Symptoms of myocarditis may include chest pain, fatigue or listlessness, joint pain, leg swelling, pale or cool hands and feet, fainting and low urine output. Myocarditis can be hard to diagnose as its symptoms overlap with other cardiovascular conditions or misdiagnosed as a bad case of flu. A chest X-ray

AIP in NEWS

क्लिनिकल फार्मसी में कर सकेंगे नवाचार

जागरण संवाददाता, नोएडा: क्लिनिकल फार्मसी लगातार विकसित हो रही है। इसलिए नई पद्धतियों और तकनीकों को सीखते रहना और खुद को अपडेट करते रहना जरूरी है। अपोलो हास्पिटल्स एजुकेशनल एंड रिसर्च फाउंडेशन के अध्यक्ष पद्म भूषण प्रो. एन. के. गांगुली ने कहा। वे एमिटी विश्वविद्यालय में दो दिवसीय अंतरराष्ट्रीय सम्मेलन के शुभारंभ पर बोल रहे थे। मंगलवार को सम्मेलन एमिटी इंस्टीट्यूट आफ फार्मसी ने 'फार्मा में नए आयाम - ड्रग खोज और वितरण में एआई नैनो-इंजीनियरिंग और जीनोमिक्स का एकीकरण (एफआईपीआईएनजीडी 3 2025) विषय पर आयोजित किया गया। प्रो. गांगुली ने प्रतिनिधियों को संबोधित करते हुए कहा कि यह एआई का युग है, जिसमें सीखने



कार्यक्रम में अपोलो हास्पिटल्स एजुकेशनल एंड रिसर्च फाउंडेशन के अध्यक्ष पद्म भूषण प्रो. एन. के. गांगुली को सम्मानित करते डाक्टर बीसी दास और खोजने के लिए बहुत कुछ है। सम्मेलन में आस्ट्रेलिया और मलेशिया के अंतरराष्ट्रीय विश्वविद्यालयों और भारतीय विश्वविद्यालयों के जाने-माने शिक्षाविदों के साथ वैज्ञानिक विचारों का आदान-प्रदान करने के लिए भारत से 460 प्रतिनिधियों ने सम्मेलन में भाग लिया। एमिटी शिक्षण समूह के संस्थापक अध्यक्ष

डा. अशोक के. चौहान ने अपने विचार साझा करते हुए कहा कि आज विज्ञान और प्रौद्योगिकी के क्षेत्र में और फार्मास्युटिकल साइंस सबसे महत्वपूर्ण क्षेत्रों में से एक है। डा. दीप्ति कक्कर ने कहा कि एआई जेनोमिक डेटा का विश्लेषण करके मरीजों की खास दवाओं पर प्रतिक्रिया का अनुमान लगाता है, जिससे इलाज को बेहतर बनाया जा सकता है।

इस अवसर पर एमिटी विश्वविद्यालय की वाइस चांसलर प्रो. डा. बलविंदर शुक्ला ने कहा कि यह सम्मेलन छात्रों और शोधकर्ताओं के लिए बहुत फायदेमंद होगी, क्योंकि वे विभिन्न सत्रों में सम्मानित वक्ताओं से सीख सकेंगे। परिणाम सबसे महत्वपूर्ण है और हमें विश्वास है कि यह सम्मेलन दवा खोज के क्षेत्र में सार्थक परिणाम देगा।

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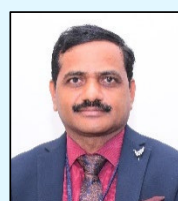
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