



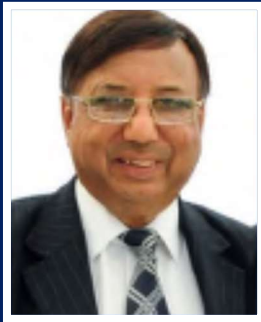
AMITY
UNIVERSITY
NOIDA CAMPUS



AMITY
INSTITUTE OF
PHARMACY

AIP Newsletter

APRIL 2024 - JUNE 2024



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Prof. (Dr.) B.C. Das
Dean
Health & Allied Sciences, Domain

Message from Hon'ble Vice Chancellor, AUUP



Prof. (Dr.) Balvinder Shukla

Professor of Entrepreneurship, Leadership & IT

Vice Chancellor, Amity University Uttar Pradesh

Dear Students, Faculty, and Stakeholders,

It is with immense pleasure that I introduce Pharma Panorama, the official quarterly e-newsletter of Amity Institute of Pharmacy, Amity University Uttar Pradesh. This initiative marks a significant milestone in our journey towards excellence in pharmacy education, research, and innovation.

We are inspired by the visionary leadership of our Founder President, Dr. Ashok Chauhan, who has championed the cause of technical and experiential learning, and nurtured innovative thinking. His foresight has empowered us to cultivate a new generation of young technocrats, equipped with the skills to innovate, problem-solve, and adapt in an ever-changing world. As we strive to realize his vision, we are driven to create opportunities that foster technical excellence, experiential learning, and a spirit of innovation, preparing our students to assume leadership roles on the global stage.

As we launch Pharma Panorama, we celebrate the achievements of our students, faculty, and alumni who have worked tirelessly to push the boundaries of knowledge and innovation. This newsletter will serve as a testament to their dedication, hard work, and commitment to excellence.

Pharma Panorama will be a platform to share our stories, research, and innovations with the global community. It will feature invited guest editorials from renowned experts, research highlights, student achievements, and updates on our academic, research and extracurricular activities.

I congratulate the editorial team for their efforts in making this initiative a reality and wish them continued success in their future endeavours.

I wish the Pharma Panorama team all the best in their endeavours and pray for the newsletter's continued success in showcasing our achievements and fostering a sense of community. May it flourish and become a source of pride for Amity Institute of Pharmacy.

My blessings and good wishes to all.

Prof. (Dr.) Balvinder Shukla

Message from Addl. Pro. Vice Chancellor, AUUP



Dr. Sanjeev Bansal

Addl. Pro Vice Chancellor

Dean, Faculty of Management Studies

Director, Amity Business School

leading institutions. I am sure that AIP will be more effectively represented on national and international level with widespread circulation of the Newsletter among the members of the leading Pharmaceutical Associations.

It is a matter of great pleasure that Amity Institute of Pharmacy (AIP), AUUP is starting publication of a Quarterly E – Newsletter w.e.f. April to June 2024 Quarter, in which you will be highlighting teacher and student accomplishments in academics, extracurricular activities, events, research, intellectual property rights (IPR) and other noteworthy achievements.

I appreciate your plan to include an Invited Guest Editorial in every issue to be written by a renowned academician/ practitioner/ industry expert as an effort for networking of AIP with

Message from Dean – Health Allied Sciences Domain



Prof. (Dr) Bhudev C. Das
 FNASc, FASc, FAMS, FNA & Former J.C.
 Bose National Fellow
 Chairman & Hargobind Khorana Chair
 Professor
 Dean, Health & Allied Sciences
 Chairman, University Research Council
 (URC)
 Vice President, Amity Science Technology
 & Innovation Foundation (ASTIF)

It is a matter of great pride that Amity Institute of Pharmacy (AIP), Amity University Uttar Pradesh (AUUP), Noida campus has come up with their quarterly Newsletter, which is brimming with exceptional achievements of the students, research scholars, scientists and faculty members and encapsulates the intensive academic, research and extracurricular activities undertaken by the institution during the period.

India has become a global leader in the pharmaceutical industry, and the COVID pandemic has drawn the world's attention to an exceptional performance by our pharmaceutical institutions.

Amity Institute of Pharmacy, a leader in the field for excellent education, research & innovation and collaborates closely with

the pharmaceutical industries to produce excellent researchers and professionals who can deliver. These professionals are provided with appropriate knowledge, training, support and guidance by our outstanding faculty members.

It is heartening to see the outstanding research and innovation skills of AIP students, demonstrated by their joint publications, patents and active participation in funded research initiatives. The academic and research environment of the Institute and scientific temperament of faculty and students are enhanced by the frequent visits of eminent expert scientists, business leaders and industry experts from both India and abroad, as well as by their active engagement and interaction with educators, researchers, and students.

I congratulate Dr. Havagiray R. Chitme, Dy. Director and head of AIP and the entire team of Newsletter Committee and faculty for their sincere efforts in conceptualizing this most enriching, highly informative and engrossing newsletter which gives glimpses of excellent accomplishments in research and academics by AIP under the most strategic and visionary leadership of the University.

My blessings and best wishes to all the brilliant students, researchers, scholars, faculty members and staff.

Invited Guest Editorial



प्रो. विभा टंडन, एफएनएससी, एफआरएससी
 निदेशक

Professor Vibha Tandon, FNASC, FRSC
 DIRECTOR



सीएसआईआर - भारतीय रासायनिक जीवविज्ञान संस्थान
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 वेबसाइट : www.iicb.res.in

CSIR - Indian Institute of Chemical Biology
 (A Constituent Laboratory of CSIR, Government of India)
 4, Raja S. C. Mullick Road, Kolkata - 700 032, India
 Website : www.iicb.res.in



Editorial

AI-Driven Drug Discovery: Revolutionizing Pharmaceutical Research and Development

Artificial Intelligence (AI) and Machine learning (ML) assistance to Pharmaceutical industry and drug discovery industry is going to revolutionize the way of designing drug against human diseases. Pharma industry is going to be front runner as beneficiary of AI. The potential of AI can be harnessed in various applications, such as drug discovery, development, and repurposing, as well as in improving pharmaceutical efficiency, saving human effort, and achieving goals quickly. It encompasses various fields including reasoning, knowledge representation, solution exploration, and machine learning (ML). Deep learning (DL), a subset of AI, uses artificial neural networks (ANNs) made up of 'perceptrons' to imitate the transmission of electrical impulses in the human brain. ANNs consist of nodes that individually receive inputs and ultimately convert them to output, either singularly or through multiple links using algorithms by resolving problems. There are various types of ANNs, including multilayer perceptron (MLP) networks, recurrent neural networks (RNNs), and convolutional neural networks (CNNs), which employ supervised or unsupervised training methods. MLP networks are utilized for recognizing patterns, assisting in optimization, identifying processes, and controlling functions. Generally, they undergo training through supervised procedures in one direction and can function as versatile pattern classifiers. RNNs possess a closed-loop structure enabling them to remember and retain data, such as Boltzmann constants and Hopfield networks. The structure and local connections of CNNs set them apart, and they are used for tasks such as image and video processing, simulating biological systems, managing intricate brain functions, recognizing patterns, and performing advanced signal processing.

The development of numerous drug molecules is encouraged by the extensive chemical space, which includes millions of molecules. Nevertheless, the drug development process is constrained by the absence of sophisticated technologies, resulting in a time-consuming and costly endeavor. AI offers a solution to this issue by identifying hit and lead compounds, enabling polypharmacology and facilitating rapid validation of drug targets and optimization of drug structure design.

AI encounters substantial data challenges despite its benefits, arising from the enormity, expansion, variety, and unpredictability of the data. In the pharmaceutical sector, handling data sets containing millions of compounds can pose difficulties for traditional machine learning tools. Computational models based on Quantitative Structure-Activity Relationship (QSAR) prove adept at swiftly predicting a large volume of compounds or basic physicochemical parameters like log P or log D. However, these models demonstrate limitations in forecasting intricate biological properties such as compound efficacy and adverse effects. Moreover, QSAR-based models contend with issues such as limited training data, errors in experimental data within training sets, and a scarcity of experimental validation.

The use of advanced AI methods such as deep learning (DL) and related modeling research can be employed to tackle these obstacles by performing safety and effectiveness assessments of drug

compounds through comprehensive modeling and analysis of large datasets. Merck sponsored a QSAR ML challenge in 2012 to evaluate the benefits of DL in the drug discovery process within the pharmaceutical sector. DL models exhibited superior predictive capabilities in comparison to traditional ML methods for various absorption, distribution, metabolism, excretion, and toxicity (ADMET) datasets of drug candidates.

The effectiveness of a drug relies on how well it binds to the target protein or receptor. If a drug doesn't interact with the targeted protein, it won't produce the intended therapeutic effect. Sometimes, a drug may interact with unintended proteins or receptors, causing harm. Thus, it is important to predict drug-target binding affinity (DTBA) to decipher interaction between drug and target. AI-based methods can forecast DTBA by analyzing the chemical characteristics or resemblances of drugs and their targets. Feature-based interactions identify the chemical parts of the drug and the target to establish the feature vectors. On the other hand, similarity-based interactions posit that similar drugs will interact with the same targets.

Deep learning (DL) methods have demonstrated enhanced performance when compared to traditional ML techniques due to their utilization of network-based approaches that do not depend on the presence of 3D protein structures. DL methods used to measure drug-target binding affinity (DTBA) include DeepDTA, DeepDTA accepts drug data in the form of SMILES representations and uses amino acid sequences for protein input data, providing a 1D representation of the drug structure. WideDTA, a convolutional neural network (CVNN) DL method, incorporates ligand SMILES (LS), amino acid sequences, ligand maximum common substructure (LMCS), and protein domains and motifs as input data to assess binding affinity. DeepAffinity employs an interpretable deep learning model that makes use of both recurrent neural networks (RNN) and convolutional neural networks (CNN) and leverages both labeled and unlabeled data. It takes into account compounds in the SMILES format and protein sequences, incorporating their structural and physicochemical properties.

AI also enhances the prediction of a drug's bioactivity, including ADME (absorption, distribution, metabolism, and excretion) data. Tools like XenoSite, FAME, and SMARTCyp accurately determine sites of drug metabolism and identify specific CYP450 isoforms involved in drug clearance. AI-based approaches have predicted the clearance pathways of approved drugs with high accuracy, aiding in the development of safer and more effective medications.

Toxicity prediction is another critical area where AI excels. The prediction of toxicity of any drug molecule is crucial to avoid harmful effects. To evaluate the toxicity of the compound, the preliminary studies often involve cell-based in vitro assays and animal studies, leading to increased costs. Advanced AI-based methods can identify compound similarities and predict toxicity based on input features, reducing the need for these costly studies. The National Institutes of Health, the Environmental Protection Agency (EPA), and the US Food and Drug Administration (FDA) organized the Tox21 Data Challenge to evaluate various computational methods for predicting the toxicity of 12,707 environmental compounds and drugs. An ML algorithm called DeepTox, which detects both static and dynamic features in chemical descriptors, proved to be more effective than other methods in accurately predicting toxicity based on predefined toxicophore features.

In conclusion, AI and ML are set to revolutionize the pharmaceutical industry, streamlining drug discovery and development processes, enhancing productivity, and reducing costs. As these technologies continue to evolve, their integration into pharmaceutical research promises to yield safer, more effective drugs and expedite the journey from laboratory to market, ultimately benefiting patients worldwide.

Vibha Tandon

Prof. Vibha Tandon
 Director

CSIR-Indian Institute of Chemical Biology, Kolkata

From the Desk of Editor-in-Chief



Amity Institute of Pharmacy, based in 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, Drug Regulatory Affairs, Industrial Pharmacy, Pharmaceutical Analysis, Phytopharmacy & Medicinal Plants. Furthermore, we also offer a Ph.D. program in Pharmaceutical Sciences.

The institute is renowned for its research culture, which begins with the B. Pharm program. A substantial number of papers are published by B. Pharm students in reputable journals with higher impact factors, and they have also submitted several patents to the Indian patent office. Our Master's students are placed in positions according to their research output and academic performance. Their exceptional performance in the interview makes them very deserving of the position they aspire to.

Over 50 prominent pharmaceutical companies took part in the recruitment process in this year for both undergraduate and postgraduate students. The mean package offer witnessed a significant increment in comparison to the previous year. According to the aspiration survey, 50% of the students expressed a desire to secure employment, 35% of the students chose to pursue further education, and 10% of them wished to start their own firm or engage in entrepreneurship. Our students achieved a 100% placement rate based on their aspirations.

The institute is renowned for producing globally proficient, competent, and educated 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. The academic atmosphere at Amity University fosters multidisciplinary learning and research, encompassing inter, multi, and transdisciplinary approaches. The involvement of students and alumni in academic and administrative committees of the institute promotes the institute's student-led decision-making process.

The AIP Newsletter provides a comprehensive collection of academic and curricular enhancements, teaching and learning activities, additional courses, research, intellectual property rights, and other results, showcasing the achievements of students and teachers over the academic year 2023-24. The AIP organized the SERB, Government of India sponsored International Conference "Pharmaceutical Technology, Phytopharmaceuticals and Biologicals: Trends 2024 (PTPPBT 2024)". This conference offered students at the undergraduate and postgraduate levels the additional opportunity to present their scientific abstracts based on their reviews and research. The UG research conference held on campus is a significant event in the institute's history, where students actively engaged and delivered oral presentations.

I am pleased to introduce the 'Pharma Panorama', the official newsletter of Amity Institute of Pharmacy, Amity University Uttar Pradesh, Noida, for the 2023-24 edition. I am pleased to inform you that this newsletter will now be released on a quarterly basis to keep you updated on the events and developments at AIP, Noida.

Dr. Havagiray R. Chitme

Dy. Director
Amity Institute of Pharmacy

Editorial Team

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Dr. Havagiray R. Chitme
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Professor & Ph. D
Coordinator



Dr. Alka Lohani
Associate Professor



**Dr. Priyanka
Saroj**
Assistant Professor



**Dr. Navneet
Sharma**
Assistant Professor

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Mr. Gaurav Kr. Singh



Ms. Richi Goel

Designed by:



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Sr. Office Assistant, AIP

National Advisory Board Members

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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. 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, 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.

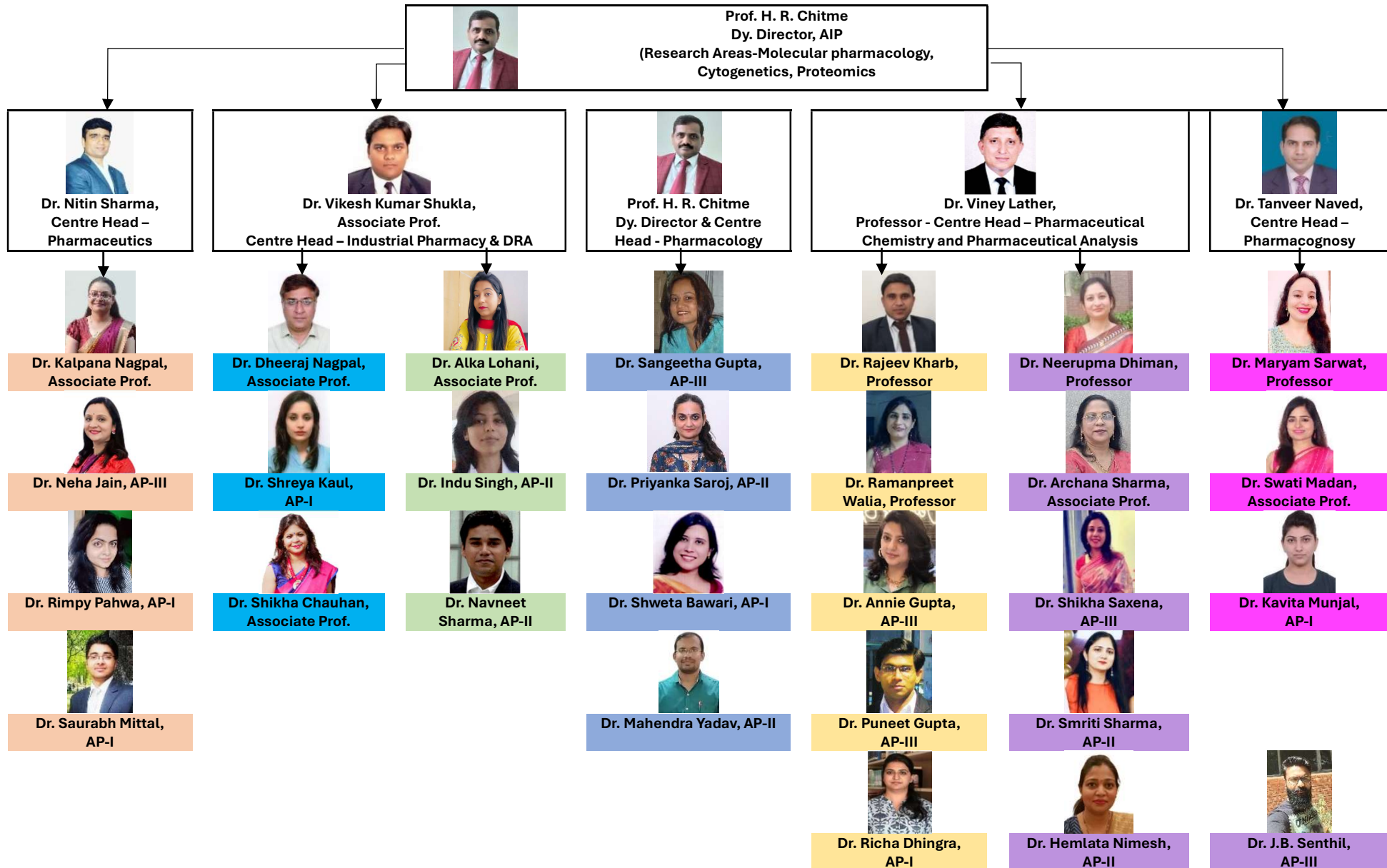
VISION:

"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

Details of Research Centres in AIP



Faculty Achievements



Dr. Rajeev Singh Raghuvanshi

Drug Controller General of India (DCGI), & Secretary-cum-Scientific Director, Indian Pharmacopoeia Commission (IPC), New Delhi

Amity Institute of Pharmacy, AUUP, Noida Bestowed the Honour of Honorary Professorship



Prof. H. R. Chitme – Professor & Dy. Director, Amity Institute of Pharmacy
Amity University Uttar Pradesh

Editor-in-Chief - HKB Publication's Food & Pharma International (ISSN Online: 2456-4192)

Zonal Coordinator, 73rd Indian Pharmaceutical Congress – 2024, Hyderabad



Dr. Tanveer Naved

Professor & Centre Head
Amity Institute of Pharmacy
Dy. Dean – Health & Allied Sciences Domain,
Amity University Uttar Pradesh

Dr. Tanveer Naved, Session Chair, at International Conference at Galgotias University Greater Noida April 27-28,2024



Dr. Navneet Sharma

Assistant Professor,
Amity Institute of Pharmacy

Awards: Selected for the award under INSA Visiting Scientist Programme for FY 2024-25 in the month of April, 2024 and working at Indian Institute of Technology

Delhi, Delhi for a period of 2 months.

Organised an International Conference on Pharma Technology & Translational Development in Chem-Biology Research: Traditional to Biopharmaceuticals, 2024 on 20-21 March, 2024



Dr. Alka Lohani

Associate Professor, Amity Institute of Pharmacy

Awards:

Travel Grant from International Brain Research Organization (IBRO):

Dr. Alka Lohani received the travel grant from the International Brain Research Organization (IBRO) to participate in Neuroscience School Nepal-2024. This 15-days international workshop (April 24 to May 7, 2024) was funded by International Brain Research Organization (IBRO) and hosted by Neuroscience Society of Nepal, Kathmandu.

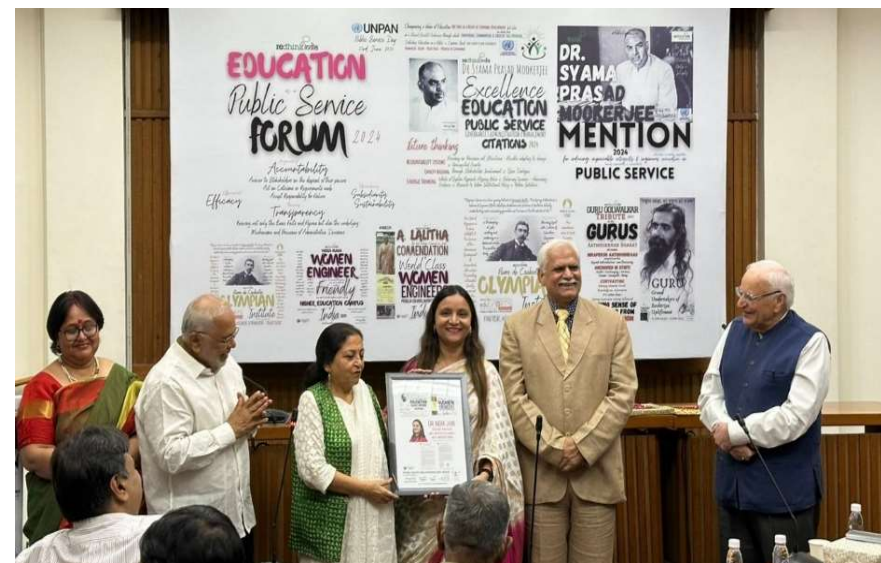
Dr. Alka Lohani received the **'Best Dream Project Award'** at the Neuroscience School Nepal 2024, a 15-days international workshop held from April 24 to May 7, 2024. Organized by the Neuroscience Society of Nepal and funded by the International Brain Research Organization (IBRO), this workshop brought together 26 participants from six countries to explore the theme *"Psychophysiology of Neurological Disorders: Genomic and Nongenomics Perception."*



Dr. Neha Jain
Assistant Professor, Amity Institute of Pharmacy

Awards:

Received World-class women problem Solver, Inventor, and Pioneer award by Re-THINK India- An Action Advocacy Platform nurturing innumerable Communities of Practice straddling the interface of Academia, Industry & Government for accentuating National Excellence on 23rd June 2024.



Promotions and Appraisals

Faculty Promoted in the year 2024



Dr. Indu Singh

Assistant Professor - I, AIP

Promoted as:

Assistant Professor - II



Dr. Sangeetha Gupta

Assistant Professor - II, AIP

Promoted as:

Assistant Professor – III



Dr. Hemlata Nimesh

Assistant Professor - I, AIP

Promoted as:

Assistant Professor - II



Dr. Shikha Saxena

Assistant Professor - II, AIP

Promoted as:

Assistant Professor – III



Dr. Smriti Sharma

Assistant Professor - I, AIP

Promoted as:

Assistant Professor - II

Our Star Performer Faculty



Dr. Maryam Sarwat

Professor, AIP



Dr. Kalpana Nagpal

Associate Professor, AIP



Dr. Neha Jain

Assistant Professor, AIP

Publications

SL. No.	Name of the Faculty	Publication Title	Publisher	Level	Published Month & Year
1	Dr. Annie Gupta	Gupta, A.; Dahima, R.; Panda, S.K.; Gupta, A.; Singh, G.D.; Wani, T.A.; Hussain, A.; Rathore, D. QbD-Based Development and Evaluation of Pazopanib Hydrochloride Extrudates Prepared by Hot-Melt Extrusion Technique: In Vitro and In Vivo Evaluation. <i>Pharmaceutics</i> 2024, 16, 764. https://doi.org/10.3390/pharmaceutics16060764	MDPI	Q1	June 2024
2	Dr. Annie Gupta	Tripathi, T., Gupta, S. C., Khan, Y. A., Bhunia, S. S., Gupta, A., Kumar, K. S., ... & Barik, S. K. (2024). Metabolomics and anti-inflammatory activity of <i>Commiphora madagascariensis</i> jacq. leaves extract using in vitro and in vivo models. <i>Journal of Chromatography B</i> , 124214.	Elsevier	Q2	June 2024
3	Dr. Havagiray R. Chitme	AP Singh, RK Sharma, A Behera, JB Kandpal, Havagiray Chitme. In-vitro, in-vivo and in-silico anti-inflammatory evaluation of hedychenone and its semisynthetic derivative. <i>Journal of Biologically Active Products from Nature</i> , 2024, 14 (2), 199-229. https://doi.org/10.1080/22311866.2024.2337744	Taylor & Francis	Q3	April 2024
4	Dr. Havagiray R. Chitme	Rashita Makkar , Aayush Sehgal , Sukhbir Singh , Neelam Sharma , Ravi Rawat , Monica Gulati , Celia Vargas-De-La-Cruz , Nemat Ali , Havagiray R Chitme , Tapan Behl , Simona Gabriela Bungau. Investigating the Anti-Arthritic Potential of Gallic Acid from <i>Tecoma stans</i> Leaves via Phytosome Based Formulation and Examining Physical, Hematological Effects, and Molecular Dynamics Simulations. <i>Journal of Biological Regulators and Homeostatic Agents</i> . 2024, 38(4): 3177-3187 https://doi.org/10.23812/j.biol.regul.homeost.agents.20243804.250	Biolife Association	Q3	April 2024
5	Dr. Havagiray R. Chitme	Yahya S Alqahtani, Vijay R Chidrawar, Shruti Shiromwar, Sudarshan Singh, Rahul Maheshwari, Havagiray Chitme, Naresh Babu Chilamakuru, Popat Mohite, Ahmed M Aljameeli, Masood Medleri Khateeb, A MultiModal Approach to investigate <i>Desmodium Gangeticum</i> 's influence on stress induced male infertility In vivo In Vitro and In Silico Assessment, <i>Biomedicine and Pharmacotherapy</i> , 2024, 173, 116358 (IF 7.5)	Elsevier	Q1	April 2024
6	Dr. Havagiray R. Chitme	Nidhi Gairola, Havagiray Chitme and Reema Sircar. Systemic Effect of Human Follicular Fluid from Endometriotic and Healthy Subjects on Female Mice. <i>Indian Journal of Pharmaceutical Education and Research</i> , 2024;58(2s):s660-s667. IF 0.875) UGC No 20842 ISSN: 00195464 E-ISSN: 00195464	APTI	Q3	May 2024

7	Dr. Kalpana Nagpal	Majid Imam, Kalpana Nagpal, The electronic tongue: an advanced taste-sensing multichannel sensory tool with global selectivity for application in the pharmaceutical and food industry. <i>Pharmaceutical Development and Technology</i> .2023,28(3-4):318-332. I.F 3.39.	Taylor Francis	&	Q2	April, 2023
8	Dr. Kavita Munjal	Vollset, Stein Emil, Ababneh, Hazim S., Abate, Yohannes Habtegiorgis, Kavita Munjal et al., 2024. Burden of disease scenarios for 204 countries and territories, 2022–2050: a forecasting analysis for the Global Burden of Disease Study 2021. <i>The Lancet</i> . 403, 2204-2256. https://doi.org/10.1016/S0140-6736(24)00685-8 . IF = 168.9	Elsevier, Elsevier Health Sciences		Q1	May 2024
9	Dr. Kavita Munjal	Brauer, Michael, Roth, Gregory A., Aravkin, Aleksandr Y., Zheng, Peng, Abate, Kalkidan Hassen, Abate, Yohannes Habtegiorgis, Abbafati, Cristiana, Kavita Munjal et al., 2024. Global burden and strength of evidence for 88 risk factors in 204 countries and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. <i>The Lancet</i> . 403, 2162-2203. https://doi.org/10.1016/S0140-6736(24)00933-4 . IF = 168.9	Elsevier, Elsevier Health Sciences		Q1	May 2024
10	Dr. Kavita Munjal	Bhattacharjee, Natalia V., Schumacher, Austin E., Aali, Amirali, Abate, Yohannes Habtegiorgis, Kavita Munjal et al., 2024. Global fertility in 204 countries and territories, 1950–2021, with forecasts to 2100: a comprehensive demographic analysis for the Global Burden of Disease Study 2021. <i>The Lancet</i> . 403, 2057-2099. https://doi.org/10.1016/S0140-6736(24)00550-6 . IF = 168.9	Elsevier, Elsevier Health Sciences		Q1	May 2024
11	Dr. Kavita Munjal	Ferrari, Alize J., Santomauro, Damian Francesco., Aali, Amirali., Abate, Yohannes Habtegiorgis., Kavita Munjal et al., 2024. Global incidence, prevalence, years lived with disability (YLDs), disability-adjusted life-years (DALYs), and healthy life expectancy (HALE) for 371 diseases and injuries in 204 countries and territories and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. <i>The Lancet</i> . 403, 2133-2161. https://doi.org/10.1016/S0140-6736(24)00757-8 . IF = 168.9	Elsevier, Elsevier Health Sciences		Q1	May 2024
12	Dr. Kavita Munjal	Schumacher, Austin E., Kyu, Hmwe Hmwe., Aali, Amirali., Abbafati, Cristiana., Abbas, Jaffar., Kavita Munjal et al., 2024. Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950-2021, and the impact of the COVID-19 pandemic: a comprehensive demographic analysis for the global burden of disease study 2021. <i>The Lancet</i> . 403, 1989-2056. https://doi.org/10.1016/S0140-6736(24)00476-8 . IF = 168.9	Elsevier, Elsevier Health Sciences		Q1	May 2024

13	Dr. Kavita Munjal	Naghavi, Mohsen., Ong, Kanyin Liane., Aali, Amirali., Ababneh, Hazim S., Kavita Munjal et al., 2024. Global burden of 288 causes of death and life expectancy decomposition in 204 countries and territories and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. <i>The Lancet</i> . 403, 2100-2132. https://doi.org/10.1016/S0140-6736(24)00367-2 . IF = 168.9	Elsevier, Elsevier Health Sciences	Q1	May 2024
14	Dr. Kavita Munjal	Kavita Munjal, Hitesh Chopra, Talha B. Emran. 2024. Artificial wombs: Artificial wombs: journey from issueless to motherhood. <i>International Journal of Surgery Open</i> . 62, 174-175. 10.1097/IO9.000000000000028. IF – 1.0	Lippincott Williams and Wilkins	Q3	April 2024
15	Dr. Kavita Munjal	Hitesh Chopra, Kavita Munjal, Sonia Arora, Shabana Bibi, Partha Biswas. 2024. Role of augmented reality in surgery: editorial. <i>International Journal of Surgery</i> . 110(5), 2526-2528. http://dx.doi.org/10.1097/JS9.0000000000001219 (IF - 15.3)	Lippincott Williams and Wilkins	Q1	May 2024
16	Dr. Kavita Munjal	Hitesh Chopra, Kavita Munjal, Talha B. Emran. 2023. Artificial intelligence 2.0: Taking organoid intelligence a step ahead. <i>International Journal of Surgery Open</i> . 60, 100693. 10.1016/j.ijso.2023.100693. IF – 1.0	Lippincott Williams and Wilkins	Q3	April 2024
17	Dr. Maryam Sarwat	Singh A, Maryam S, Gupta S. Pharmacological Mechanism of Herbal Interventions for Bipolar Disorder. <i>Current Pharmaceutical Design</i> . 2024	Bentham Science	Q2	June, 2024
18	Dr. Maryam Sarwat	M Gupta, D Singh, S Rastogi, HR Siddique, N Al-Dayan, A Ahmad, Sikander M, Maryam Sarwat, Anti-cancer activity of guggulsterone by modulating apoptotic markers: a systematic review and meta-analysis, <i>Frontiers in Pharmacology, Research Paper, International</i> , 2023, 14, 1155163, IF 5.59	Frontiers	Q1	May 2023
19	Dr. Maryam Sarwat	P-type calcium ATPases play important roles in biotic and abiotic stress signaling. <i>Planta</i> (in press). Impact Factor 4.3. 260:37. https://doi.org/10.1007/s00425-024-04462-7	Springer	Q1	June 2024
20	Dr. Maryam Sarwat	Gupta M, Nimesh H, Bilgrami AL, Sarwat M. A saffron based polyherbal formulation DuK prevents hepatocellular carcinoma in male wistar rats. <i>Curr Cancer Drug Targets</i> . 2024, IF 3.0	Bentham	Q2	June 2024
21	Dr. Navneet Sharma	Ashrit Nair, Aditya Dahiya, Pooja Yadav, Navneet Sharma, Bhupendra Singh Butola. Materials for the management of traumatic Wounds: A descriptive review. <i>European Polymer Journal</i> . 2024, 112475. I.F 6.			
22	Dr. Navneet Sharma	Shubham J. Suryawanshi, Siddharth Jain, Rakesh K. Sharma, Raman Chawla, Sandeep Arora, Vikesh K. Shukla, Navneet Sharma. Current veterinary regulations and way ahead, <i>Research in Veterinary Science</i> . 2024. 105101. I.F 2.4			

23	Dr. Nitin Sharma	Sarika Gupta, Nitin Sharma, Sandeep Arora, Saurabh Verma. Diabetes: a review of its pathophysiology, and advanced methods of mitigation. Current Medical Research Opinion. (2024) 40:773-780, IF 2.17	Taylor & Francis	Q1	April 2024
24	Dr. Puneet Gupta	Singh N, Yadav SD, Gupta P, Ali F, Arora S. Dermal Delivery of Hypericum perforatum (L.)Loaded Nanogel: Formulation to Preclinical Psoriasis Assessment. Recent Advances in Drug Delivery and Formulation [Internet]. 2024 May 17 [cited 2024 Jun 3]; e170524230069. Available from: https://pubmed.ncbi.nlm.nih.gov/38808393/ (IF 1.692)	Bentham	Q3	May-24
25	Dr. Puneet Gupta	Sharma HK, Karna A, Verma SK, Gupta P, Nagpal D, Kumar A, et al. Exploring the Synergistic Effect of Thymol with Oxacillin against Methicillin Resistant Staphylococcus aureus. Indian journal of microbiology. 2024 May 23; (I.F.-2.461)	Springer	Q3	May-24
26	Dr. Puneet Gupta	Singh N, Gupta P, Goel R, Vinayak C, Sagar D, Gupta A. Accelerating healing of excisional wound with a hydrogel containing Hyacinth bean (Dolichos lablab) extract in a rat model. Current drug therapy. 2024; 19 (2): 239-249, IF-0.175	Bentham	Q3	June-23
27	Dr. Ramanpreet Walia	Arora, B., Lather, V., Pathalingappa, M. B., & Walia, R. (2024). Enhancement of aqueous solubility of hesperidin and naringenin utilizing hydrotropic solubilization technique: characterization and in vitro evaluation. Journal of Asian Natural Products Research, 1–12.	Taylor & Francis	Q2	June -2024
28	Dr. Richa	Renu Sharma, Pranjal Bansal, Lokesh Saini, Nidhi Sharma, Richa Dhingra* . Zuranolone, a neuroactive drug, used in the treatment of postpartum depression by modulation of GABAA receptors. Pharmacology Biochemistry and Behavior. https://doi.org/10.1016/j.pbb.2024.173734 Volume 238, May 2024, 173734. IF-3.3	Elsevier, Elsevier Health Sciences	Q1	March 2024
29	Dr. Rimpay Pahwa	Rimpay Pahwa, Rashmi Sharma, Munish Ahuja. Chapter - 22 Gellan gum-based ocular formulations, Book Title - Application of gellan gum as a biomedical polymer. 2024, 435-455.	Elsevier	Q1	May, 2024
30	Dr. Rimpay Pahwa	Atul Kaushik, Shashi Yadav, Priya Mudgal, Rimpay Pahwa, Tarun Kumar. Propyl modification of Moringa gum for drug delivery applications, Polymer Bulletin. 2023, 81, 2643-2670. I.F 3.20	Springer		May, 2023
31	Dr. Rimpay Pahwa	Pooja Rani, Rimpay Pahwa, Vikas Verma, Meenakshi Bhatia, Preparation, characterization, and evaluation of ketoconazole-loaded pineapple cellulose green nanofiber gel, International Journal of Biological Macromolecules. 2024, 262 (2), 130221. I.F 8.19	Elsevier	Q1	March, 2024

32	Dr. Sangeetha Gupta	Swamita Arora, Priti Tagde, Sanjar Alam, Wasim Akram, Sangeetha Gupta. Role of Toll-like receptor-3 antagonist on viral load of Asthma in Swiss Albino Mice. Research Journal of Pharmacy and Technology. 2023, 16 (6), 2829–2834. I.F 1.7	A and V	Q2	June 2023
33	Dr. Sangeetha Gupta	Singh A, Maryam S, Gupta S. Pharmacological Mechanism of Herbal Interventions for Bipolar Disorder. Current Pharmaceutical Design. 2024	Bentham Science	Q2	June, 2024
34	Dr. Saurabh Verma	Sarika Gupta, Nitin Sharma, Sandeep Arora, Saurabh Verma, Diabetes: a review of its pathophysiology, and advanced methods of mitigation, Current Medical Research and Opinion. 2024, 40: 773-780. I.F 2.29	Taylor & Francis	Q1	May 2024
35	Dr. Vikesh Kumar Shukla	Gayatri Khosla, Vikram Sharma, Vikesh Kumar Shukla, Bioactive molecule-based nano-particulate drug delivery system for antifertility activity, Journal of Dispersion Science and Technology, Research, International, 2024, 2024, 1-14, IF 2.05	taylor and francis	Q3	April 2024
36	Dr. Viney Lather	Disha Chatterjee, Shifa Mansuri, Neelam Poonia, Prashant Kesharwani, Viney Lather, Deepti Pandita, Therapeutic potential of various functional components presents within dragon fruit: A review, Hybrid Advances, Review, International, 2024, 6, 100185	Elsevier		April 2024
37	Dr. Viney Lather	Ankit Kumar Dubey, Ishnoor Kaur, Reecha Madaan, Shikha Raheja, Rajni Bala, Manoj Garg, Suresh Kumar, Viney Lather, Vineet Mittal, Deepti Pandita, Rohit Gundamaraju, Rajeev K Singla, Rohit Sharma, Unlocking the potential of oncology biomarkers: advancements in clinical theranostics, Drug Metabolism and Personalized Therapy, Review, International, 2024, 39(1), 5-20	De Gruyter	Q2	April 2024

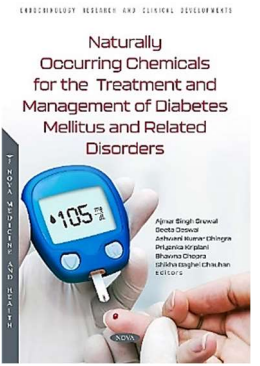
Book Chapters

SN	Authors Name	Title	Year	Publisher
1	Poonam Sharma, Kanishk Luhach, Neerupma Dhiman, Rajendra Awasthi, Harsha Kharkwal, GT Kulkarni.	Neuroprotection induced by sulphoraphane in central nervous system disorders, In: Natural Molecules in Neuroprotection and Neurotoxicity	2024	Academic Press. pp1815-1838.
2	Shruti Tyagi, Rajendra Awasthi, Neerupma Dhiman, Bhupesh Sharma, Giriraj T Kulkarni.	Herbal Medicines for the Treatment of Neurodegenerative Disorders, In: Ethnic Knowledge and Perspectives of Medicinal Plants, Münir Öztürk, Kandikre Ramaiah Sridhar, Maryam Sarwat, Volkan Altay,	2024	Academic Press. pp 489-514.
3	Kanishk Luhach, Poonam Sharma, Niti Sharma, Neerupma Dhiman, Harsha Kharkwal.	Prenatal and Early Life Environmental Stressors: Chemical Moieties Responsible for the Development of Autism Spectrum Disorder. In: Neurobiology of Autism Spectrum Disorders,	2024	Springer Nature Singapore, pp 37-74.

4	Rimpy Pahwa, Rashmi Sharma, Munish Ahuja.	Gellan gum-based ocular formulations, In: Application of gellan gum as a biomedical polymer,	2024	Apple Academic Press, pp 545-568
5	Sarda Ruhil, Kalpana Nagpal	Microbial Pigments as Vegan Colors for Food and Pharmaceuticals: A Sustainable Approach. In Harnessing Microbial Potential for Multifarious Applications.	2024	Springer Nature Singapore, pp 419-438.
6	Hemlata Nimesh, Ajmer Singh Grewal, Geeta Deswal, Ashwani Kumar Dhingra, Priyanka Kriplani, Bhawna Chopra, Shikha Baghel Chauhan (Eds)	The Role of Gingerols in the Management of Diabetes Mellitus, In Naturally Occurring Chemicals for the Treatment and Management of Diabetes Mellitus and Related Disorders, Disorders, ,	2024	Nova Science Publishers USA.
7	Adeel Masood Butt, Nabihah Abdullah, Amna Sattar, Talib Hussain, Manisha Pandey, Tarun Kumar, Unnati Garg, Jatin Rathee, Neha Jain, Muhammad Mustafa Abeer.	Advantages of Nanomedicine Over Conventional Therapeutics. In Nanomedicine in Treatment of Diseases, Bushra Akhtar, Faqir Muhammad,	2024	Springer Nature Singapore 2024, pp. 45-85.
8	Sangya Dubey, Janhavi Singh, Manasvi Saini, Chaitanay Vinayak Narayan, Shallu Singh, Shikha Baghel Chauhan, Indu Singh, Harsh Yadav and Sachin Gupta.	Introduction to Diabetes Mellitus and Its Management, In Naturally Occurring Chemicals for the Treatment and Management of Diabetes Mellitus and Related Disorders, Disorders,	2024	Nova Science Publishers USA.
9	Jiradej Manosroi, Aranya Manosroi, Charinya Chankhampan, Worapong Kitdamrongtham, Shikha Baghel Chauhan and Charu Gupta.	Thai Traditional Herbal Plants for the Management of Diabetes Mellitus. In Naturally Occurring Chemicals for the Treatment and Management of Diabetes Mellitus and Related Disorders, Disorders	2024	Nova Science Publishers USA.
10	Shikha Baghel Chauhan, Jasmine, Indu Singh.	Nanotechnology-Based Approaches for Mitigating Antibacterial Resistance. In: Contemporary Approaches to Mitigating Antibacterial Drug Resistance.	2024	IGI Global USA.
11	Shikha Baghel Chauhan, Shikha Saxena and Abhishek Kumar Bhardwaj.	Industrial wastes and their suitability for the synthesis of nanomaterials. In: Green and Sustainable Approaches Using Wastes for the Production of Multifunctional Nanomaterials	2024	Elsevier, pp 103-115
12	Fatimah Jan, Arashdeep Kaur, Muneeb U. Rehman, Udit Handa, Nazakat Farooq, Divya Jha, Vratika Jain, Arpit Chowdhury, Shikha Baghel Chauhan, Indu Singh,	Carbohydrates in the Management of Diabetes Mellitus, In Naturally Occurring Chemicals for the Treatment and Management of Diabetes Mellitus and Related Disorders, Disorders,	2024	Nova Science Publishers USA.
13	Mahendra Yadav, Rajesh Kumar and Dharmendra Kumar,	Novel drug delivery system in the management of myasthenia gravis, Novel Drug Delivery Systems in the management of CNS Disorders.	2024	Elsevier.
14	Naved, T., Sumaiya, S., Gupta, M., Sharma, A., Akhtar, J., Sarwat, M.,	A Comprehensive Review on Medicinal Properties of Dawa-ul-Kurkum and Its Ingredients Against Liver Ailments in the Light of Ancient Wisdom and Modern Research (Book Chapter), Ethnic Knowledge and Perspectives of Medicinal Plants.	2024	Volume 1: Curative Properties and Treatment Strategies, National, 467-487

15	Dr. Sangeetha Gupta, Shokeen A, Dhawan B, Sarwat M, Gupta S.,	Chapter 11-Advancement in herbal drugs for the treatment of Parkinson’s disease. Book entitled as “Targeting Angiogenesis, Inflammation and Oxidative Stress in Chronic Diseases”,	2024	Elsevier Publisher, 2024, Pages 251-276., Book Chapter, International, 2024.
16	Dr. Navneet Sharma,	Understanding Pharmaceutical Standards and Regulations: Insights Towards Best Practice,	2024	Taylor and Francis, Editorial, International, 2024

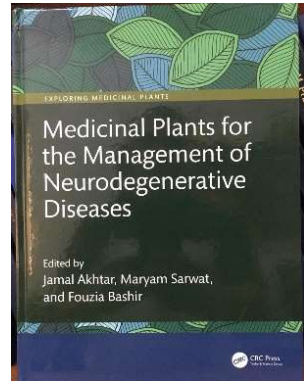
Books Published



Editors: Ajmer Singh Grewal, Geeta Deswal, Ashwani Kumar Dhingra, Priyanka Kriplani, Bhawna Chopra, and Shikha Baghel Chauhan

Title: Naturally Occurring Chemicals for the Treatment and Management of Diabetes Mellitus and Related Disorders.

Published by Nova Science Publishers, Inc. † New York



Editors: Jamal Akhtar, Maryam Sarwat and Fouzia Bashir

Title: Medicinal Plants for the Management of Neurodegenerative Diseases

Published by CRC Press

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	12013/22/2021-HR/E-office:80114242	ICMR	Design and development of nanoscaffolds for bone tissue regeneration	47,25,000
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. Swati Madan		NMPB	Development of Herbal Development of Herbal Gardens for Commercially important Medicinal Plants	5,40,000
6.	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
7.	Dr. Maryam Sarwat		CCRUM	In-vitro evaluation of antiviral activity of Unani Drugs and their green nanoparticles against Dengue virus	24,80,000

Industry Consultancy Services

SN	Name of the Faculty	Reference Number	Project Title	Sponsoring Agency	Fund Received
1	Prof. Bhupesh Sharma	AUUP/Projects-AIP&P/165-C (Agreement)	Safety and Efficacy of Standardized Extract of <i>Boswellia Serrata</i> in Animal Model	Dr. Willmar Schwabe India Pvt. Ltd.	4,82,620/-
2	Prof. Bhupesh Sharma	AIIA/TR/IRB-2017/093	Establishment of Pharmacological basis of Saraswat Ghrita for benefits in cognitive diseases	All India Institute of Ayurveda	2,50,000/-
3	Prof. Bhupesh Sharma	AUUP/Projects-AIP&P/165-D (Agreement)	Safety and Efficacy of Polyherbal Formulation in Urinary Tract Infection in Vivo	Dr. Willmar Schwabe India Pvt. Ltd.	1,94,700/-
4	Prof. Nitin Sharma	AUUPCONSL/AIP/2023	Stability study of nasen gel and senotact	MGCT Noida	2,95,000/-

Guest Lecture Organised

AMITY UNIVERSITY NOIDA CAMPUS

Guest LECTURE

Indian National Young Academy of Science

Unraveling Dissolution: Navigating IVIVC, Regulatory Considerations, and Biowaiver in Pharmaceutical Development

Mr. Vaibhav Kumar
Associate Director Analytical Research, Mylan Laboratories Limited

COORDINATOR
Dr. Kalpana Nagpal
Associate Professor, AIP
Member - INYAS

Zoom
SCAN TO JOIN VIA ZOOM

Registration Link
Registered participants will get a certificate on attending the event

Wednesday, 10 April, 2024
02:00PM onwards

Organizers Indian National Young Academy of Science (INYAS) and AIP, Amity University Uttar Pradesh, Noida Campus

Ph.D. Awarded /Pre-Ph.D. Submitted

Name of the scholar	Enrolment no/Batch	Name of Supervisor	Thesis Title	Date of conduction of Pre-PhD	Date of ODC
Ms. Gayatri Khosla	A10631220006(PT)	Dr. Vikesh Shukla	phytochemical investigation and development of targeted drug delivery system of Plumago species for antifertility activity	11-06-2024	
Mr. Hitesh Kumar Sharma	A10631220011 (FT)	Dr. Viney Lather	Screening and Evaluation of Phytomolecules in Combination With Antibiotics for Activity Against Multi Drug Resistant Bacteri	11-06-2024	
Ms Priya Sharma	A10631220010	Dr Tanveer Naved	Assessment of Pharmacokinetic Parameters of BCS Class II drugs as a Function of Variability in Biliary Flow using PBPK Modelling.	21-06-2024	
Mr Prashant Kumar Chaturvedi	A10631217003	Dr. Shruti Chopra	Development Of New Or Improved Stability Indicating Liquid Chromatographic Methods And Impurity Profiling Of Some Antibiotics And Antiviral Drugs	21-06-2024	
Mr Rishi Kumar	A10631216007	Dr. Amrish Chandra	Standardization and Formulation of Ayurvedic Formulation into Tablet Dosage Form	30-10-2023	03-05-24
Mr Rajender Singh	A10631217001	Dr. Artiben R. Thakkar	Generic Drug Approval Process: Good Practices of us FDA and its Potential Extension to the Indian Scenario	(Re Pre-Phd)18-12-2023	03-04-24

Patents

Filed:

S.No	Name of Inventors	Title	Complete/ Provisional	Date of Submission	Application No.
1	Neha Jain, Triveni, AIP, AUUP, Noida, Email: njain1@amity.edu	“TRANSFEROSOMAL GEL FORMULATION OF CICLOPIROX OLAMINE FOR ENHANCED SKIN PERMEATION IN ATHLETE'S FOOT TREATMENT AND PREPARATION METHOD THEREOF”	Provisional	17-06-2024	202411046497

MoU with Amity Institute of Pharmacy

S. No.	Name of the participant	Name of the collaborating agency	Source of financial support	Year of collaboration	Duration	Nature of the activity
1	Dr. Havagiray R. Chitme	Aimil Pharmaceuticals (India) Limited, 2994/4, Street no. 17, Ranjeet Nagar, Patel Nagar, New Delhi – 110008	NA	13th May, 2024	3 years	Research collaborations

NTCC Outcomes of Student 2023-24

Publications by the Students:

B. Pharm Students:

- Ahmed, F.; Shamim, N. J.; Das, A.; Sharma, H. K.; Grewal, A. S.; Pandita, D.; Lather, V. Combating Antimicrobial Resistance: A Paradigm Shift from General to Precision Medicine. *Chem Biol Lett* **2024**, *11* (2), 662.
- Vratika Jain, Nutrition and Food Science Ashwagandha: Botanic Occurrence, Conventional Uses, Extraction Methods, and Significance in Heart, Metabolic, Renal, and Hepatic Disorder, Nutrition and Food Science, 2024

3. Ashwani Kant, Annie Gupta, Oral and Dermal Toxicity Profiling of Ethyl Acetate Fraction of Pterospermum lanceifolium Roxb. Leaf in Experimental Rats, 2024

M. Pharm Students:

1. 2D-QSAR and molecular docking study on nitrofurans analogues as antitubercular agents. AIMS Molecular Science, 2024, 11, 1-20. Smriti Sharma*, Brij K Sharma, Surabhi Jain, Anubhav Rana. (Current IF 1.4).
2. Kallepalli, Badarinadh ; Garg, Unnati ; Jain, Neha ; Nagpal, Rohan ; Malhotra, Sakshi ; Tiwari, Triveni ; Kaul, Shreya ; Nagaich, Upendra. Intelligent Drug Delivery: Pioneering Stimuli-Responsive Systems to Revolutionize Disease Management- An In-depth Exploration. Current Drug Delivery. (IF-2.4).
3. Zubariya Siddiqui, Vikesh Kumar Shukla, "A Review of the New European Medical Device Regulations" World Journal of Pharmaceutical Research, 13 (8), 2024
4. Sarika Gupta, Nitin Sharma, Diabetes: a review of its pathophysiology, and advanced methods of mitigation, Taylor & Francis, 40, 2024
5. Medha, Nitin Sharma, Textbook of Cosmetics formulation, 2024" Three-Dimensional Printing as a Progressive Innovative Tool for Customized and Precise Drug Delivery, K Aggarwal, K Nagpal. Critical Reviews™ in Therapeutic Drug Carrier Systems 41, 2024
6. Jasmine, Dheeraj Nagpal, 1. Textbook of Cosmetics formulation, 2. Pharmaceutical Regulatory affairs, 3. Contemporary Approaches to Mitigating Antibacterial Drug Resistance (Chapter 11), IGI Global, 2024
7. Meghna Dheek, Shikha Chauhan, Combination of Tetracycline Hydrochloride with herbal oil for advanced topical acne therapy Indian Journal Of Applied Research, 12, 2024
8. Kallepalli Surya Badrinath, Shikha Chauhan, Intelligent Drug Delivery- Pioneering Stimuli-Responsive Systems to Revolutionize Disease Management- An In-depth Exploration, 21, 2024
9. Sakshi Panwar, Sangeetha Gupta. Comparing Different Doses of Pentylentetrazole-Induced Experimental Model of Seizure in Mice. IJPSR, 15(10) (Accepted on 14th May 2024, Online available 1st October 2024). (PG)
10. Aynaz Nouri, Yuvika Singh, Assessment of healing capacity of glucose-responsive smart gels on the diabetic wound: A comprehensive review, Journal of Drug Delivery Science and Technology (IF: 5.0), 2024
11. Gupta, Sarika, Nitin Sharma, Sandeep Arora, and Saurabh Verma. "Diabetes: a review of its pathophysiology, and advanced methods of mitigation." Current Medical Research and Opinion 40, no. 5 (2024): 773-780.

Recruiters at AIP

MAJOR RECRUITERS

No. of companies that came for campus Placement- 36

Highest Package - 7.55 LPA **Average Package - 4.15 LPA**

International Internship of B. Pharm Students

Amity University signed an MOU with Management and Science University (MSU), Malaysia on 11th April 2023, coordinated by Dr. Puneet Gupta, Assistant Professor, AIP for academic and research collaboration, exchange of faculty and students.

Under this MoU two of our B. Pharm (2022-26) Midhun P (Enrollment No A4513322082) and Mohak Hans (Enrollment No A4513321098) studying in IV Semester at Amity Institute of Pharmacy, Noida are undergoing summer internship at MSU Hospital, Kuala Lumpur from 17th May to 16th June 2024.

They will be getting exposure to pharmacy practice system, advanced clinical pharmacy practices (ACPPs), faculty interaction, interaction with pharmacy students', orientation on community pharmacy and hospital pharmacy practice at Kuala Lumpur, Malaysia. We hope to strengthen the relationship between AUUP and MSU further in coming sessions.

PLACEMENT AT A GLANCE

Some of the corporates where our students are working:



msu management & business university			
GIP Inbound			
17th May - 19th June 2024			
Proposed Itinerary			
Date	Day	Agenda	PIC
17th May	Friday	Arrive, accommodation & acclimatization	Dr. Kunal, Mr. Kishore
18th May	Monday	Welcome note by the Dean, Students	Mr. Kishore, Dr. Kunal
19th May	Monday	Campus tour and meet faculty from Pharmacy side	Dr. Jyoti, Mr. Ranvir
20th - 21st May	Tuesday	Hospital (MSU/IC) pharmacy attachment	Manoj Kumar, Dr. Kunal, Dr. Kishore
22nd - 23rd May	Monday	Hospital (MSU/IC) pharmacy attachment	Manoj Kumar, Dr. Kunal, Dr. Kishore
24th - 25th May	Monday	Hospital (MSU/IC) pharmacy attachment	Manoj Kumar, Dr. Kunal, Dr. Kishore
26th - 27th June	Monday	Community pharmacy attachment	Dr. Kishore, Dr. Kunal
28th - 29th June	Monday	General & Pharmacy Practice rotations	Mr. Pradeep, Dr. Kunal
30th June	Friday	Strong retreat, fare & wavy	Mr. Pradeep
1st July	Saturday	Departure	Dr. Jyoti, Mr. Ranvir

Placement Data B.Pharm & M.Pharm Students:

S. No	Batch	Course	Name Of the student	Name of Company/ Institution/ Group	Date of Placement
1	2024	B.Pharm	Mr ANKIT KUMAR TOOM	CHCS Servises	08-05-2024
2	2024	B.Pharm	Mr Luv Thalreja	CHCS Servises	10-04-2024
3	2024	B.Pharm	Mr PRINCE KUMAR	CHCS Servises	16-04-2024
4	2024	B.Pharm	Ms ANUSHKA SINGHAL	CHCS Servises	16-04-2024
5	2024	B.Pharm	Mr AARYAN RANJAN	CHCS Servises	03-04-2024
6	2024	B.Pharm	Mr KULDEEP SISODIYA	Akums Labs	10-04-2024
7	2024	B.Pharm	Mr SURAJ KUMAR	Alembic Pharmaceu ticals	03-04-2024
8	2024	B.Pharm	Ms NIHARIKA PATEL	ClaimBudd y	15-05-2024
9	2024	B.Pharm	Mr Pratinav Pandey	Orchird Pharma Pvt.ltd	27-05-2024
10	2024	B.Pharm	Mr BHANU PRATAP SINGH	Fresenius Kabi	02-04-2024
11	2024	B.Pharm	Ms JHUMA MONDAL	CHCS Servises	20-04-2024
12	2024	B.Pharm	Mr CHETAN KUMAR	Metronic	03-04-2024
13	2024	B.Pharm	Mr PRABAL RAGHAV	Fresenius Kabi	02-04-2024
14	2024	B.Pharm	Mr VIPUL SETHI	Metronic	20-05-2024
15	2024	B.Pharm	Ms TANIYA SINGH	D.D. Health Care	16-04-2024

Family Business :

SN	Batch	Program	Student Name	Name Of Family Business	Nature Of Family Business	Details Of Role Assigned
1	2024	B.Pharm	Mr Aakash Suneja	Shivam Electricals	Electrical Goods Manufacturing	Proprietor
2	2024	B.Pharm	Mr Sahil Goyal	Maa Bala Sundray Tiles	Trading	Proprietor
3	2024	B.Pharm	Mr Rohit Jana	Jewellers and Radium	Glodsmith	Proprietor

Own Venture / Startup:

1	2024	B.Pharm	Mr Ajay Bhardwaj	Paryden Solutions Pvt Ltd	Marketing/Brand Building of Clients	Director
2	2024	B.Pharm	Mr Akshat Mahajan	Best OverSeas	Export Auto Spare Parts	Proprietor

Higher Education :

S. No.	Batch	Course	Name of the student	Name of College/ Institution/ University	Programme Joined for Higher Study	Date of Joining
1	2024	B.Pharm	RESHNA RENJI	MS Toxicology	University of Galway (Ireland)	9th Sept 2024
2	2024	B.Pharm	PRATHAM VATS	M.Pharm	Fanshawe College London	6th Jan 2025
3	2024	B.Pharm	CHANPREET SINGH	MS	Conestoga College, Ontario, Canada	Sep-24
4	2024	B. Pharm.	Shruti Singh Lalotra	MS in Public Health	Deakin University Melbourne, Australia	20 th June 20224

Conference and Workshop 2024

UG RESEARCH CONCLAVE:

A UG Research Conclave was organized by Health and Allied Sciences Domain on 16th May 2024, Thursday, in which Amity Institute of Pharmacy had also participated to promote innovation and research of B. Pharm Students. The Research Conclave provided a forum for UG students to present the work done on their NTCC course research problems and encourage them to be passionate about their research and bring out quality research outputs.

Thirty-three B. Pharm students had registered and participated in the conclave and presented in front of Session Experts. Their abstracts were published in abstract Book with ISBN 978-93-93873-82-8.



Vice Chancellor madam addressing in the UG research conclave 2024



Glimpse of UG Research conclave 2024 Inaugural session



Inauguration of the abstract book by the honourable Vice-Chancellor and Head of the Institutions

Cultural Committee Activities at AIP

Human Value Club Committee Activities at AIP

AMITY INSTITUTE OF PHARMACY
Organizes

WORLD HEALTH DAY
under the umbrella
HUMAN VALUE CLUB
POSTER COMPETITION

THEME:
"My health, my right"

<p>FACULTY COORDINATOR Dr. Archana Sharma</p> <p>DATE -8/04/2024 TIME-12:30 PM</p> <p>VENUE- A BLOCK (GROUND FLOOR)</p>	<p>STUDENT COORDINATORS: Shashwat Raina(9055011101) Yashika Garg(8287338360) Sagun Rai(8338801098) Aryan(8800494929)</p>
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Issues to be Addressed on World Health Day:-
 Infectious disease
 Non communicable diseases
 Maternal and child health
 Mental Health
 Environmental Health
 Access to Healthcare
 Health Equity

Instructions to presenters:

- Only two members in a team
- 5 minutes for presenting
- Size A1 paper(chart paper)



Poster Judgment by the evaluator

Celebration of “Day of belongingness”- HVC- AIP

The Human value club of Amity Institute of Pharmacy celebrated day of belongingness on 06th May’2024 by distribution of food items and sanitary napkins to slum areas nearby Amity University.



Student Awards



Third Best Poster Presentation Award Malhotra, K., Nagpal, K. (2024). In-silico approach towards finding novel genetic targets and Drug derivatives for Brain Cancer. In: International Conference on Pharma Technology, Translational Development in Chem-Biology Research: Traditional to Biopharmaceuticals



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