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AMITY
INSTITUTE OF
PHARMACY

AIP Newsletter

JULY 2024 - SEPTEMBER 2024



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Founder President - Amity University

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Amity University, Uttar Pradesh



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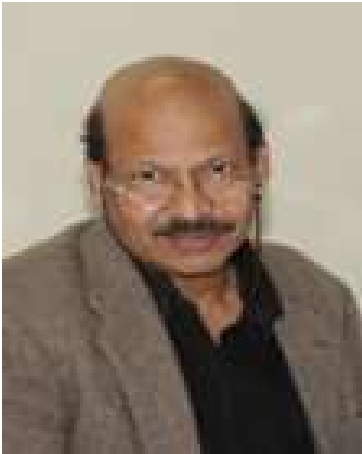


Dr. W. Selvamurthy
President
ASTIF, Amity University



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

Invited Guest Editorial



Prof. (Dr.) Sher Ali

Dean, Research & Development (Senior Administrator), Distinguished Professor, VC Office, Era University, Lucknow- 226003, Av-Humboldt Fellow, Bonn, Germany, Fulbright Fellow, USA, Alumni: USA, UK, Germany, and Australia, Adjunct Professor, Manipal Academy of Higher Education (MAHE), Manipal, Mangalore, Former Dean Academics, Dean R &

D, Integral University, Lucknow-6, Formerly Distinguished Professor, Department of Life Sciences, Sharda University, Greater Noida -201310. Former Director, Center for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi - 110025,

One of the most pleasant tasks is to write an editorial for a magazine or newsletter. The Amity Institute of Pharmacy has embarked on publication of a regular newsletter. This would not only enhance academic acumen of the readers and students but also impel people to hone the skills of writing. Introduction of newer themes along the line would be yet another inspiring proposition. Accordingly, I have chosen to share my vision on “Science of dream and Clinical Psychology. Science of dreams is described in one word “Oneirology”.

The science of dreams (Oneirology), often studied within the realms of neuroscience and psychology. Dreaming predominantly occurs during the Rapid Eye Movement (REM) stage of sleep but can also happen during other stages. Sleep has non-REM and REM stages where non-REM sleep includes stages of light and deep sleep. Dreams are generally less vivid during these stages. On the other hand, during REM sleep, the brain becomes highly active, similar to being awake. Most vivid, complex, and emotionally charged dreams happen during the REM stage. This stage is marked by rapid eye movement and temporary paralysis of major muscle groups, which prevents the dreamer from acting out their dreams. At this stage, the dreamer is unable to do anything, and the entire body functions are frozen. Sometimes, a dreamer feels helpless even to breathe. In most of the cases, the dreamer remembers the details of the dreams. However, it is difficult to uncover who decides (causative factors) the dream of a dreamer and for how long it will last. There are multiple theories regarding the purpose and function of dreams. One of the most widely accepted theories suggests that dreaming helps the process and consolidate the memories. The brain reorganizes and stores information gathered during the day. Dreams may help in processing emotions, allowing the mind to work through unresolved issues. Dreams may allow the brain to engage in creative problem-solving activities and connect seemingly unrelated ideas. Proposed by Hobson and McCarley, this theory suggests that dreams are by-products of the brain's attempts to make sense of random neural activity during sleep. Sigmund Freud's theory suggests that dreams represent unconscious desires,

thoughts, and motivations. He believed dreams could provide insight into the inner workings of the mind, particularly unresolved conflicts. Certain regions of the brain are highly active during REM sleep. The Limbic System, which includes the amygdala and hippocampus, is involved in processing emotions and memories. It is particularly active during dreaming. The prefrontal cortex, which governs rational thinking and decision-making, is less active during dreams, explaining why dreams often lack logic or structure. Dreams can be categorized in several ways based on their content, emotional tone, and underlying psychological processes. Broadly, dreams can be categorised as normal, lucid and nightmares. Dream interpretation has always been a challenge and in history, only a few gifted souls have become known to interpret the dream correctly. Dreams have several dimensions which include physical, physiological, genetical, neurological, philosophical, sexual, emotional, personal, professional, cultural, religious and emotional ones. Dreams have also been subjected to evolution. With the results, when modern

appliances were not available, peoples' dreams used to remain confined, and no one ever saw flying in the sky by aeroplane or crossing the Pacific Ocean using luxury liners. As society, systems and situations change, the dynamics of dreams also change. The dreams may carefully be analysed scientifically, interpreted logically to be able use it for resolving the complexities of life. Dreams could also provide emotional backup and reassurances enabling us to get rid of the negative thoughts. Dreams coupled with clinical psychology may be useful for counselling and guidance to misguided people. Present scenario warrants careful and well-planned studies on dreams to uncover the multifaceted dimension of this unique phenomenon. The research on dreams should aim to uncover a better and broader landscape for its interpretation and overall impact on the human health and psyche. Finally, one may attempt to find a way to use dreams as the basis of genetic counselling to the patients suffering from stress, anxiety, depression and still uncharacterized causes of fear so that they can live a healthy, happy and meaningful life.

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 & 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.

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 period of July to September 2024.

A substantial number of papers are published by students and faculties in reputable journals with higher impact factors, and they have also submitted several patents to the Indian patent office. Two SCOPUS indexed books were published by Dr. Shikha Baghel Chauhan, Dr. Indu Singh and Dr. Navneet Sharma. Several funded research projects are ongoing with a new CST UP grant (CST/D-786 Project ID 4000), Prof. Rajeev Kharb got selected in top 2% Scientist by Stanford University, USA, in the field of Chemistry and patent was granted to Dr. Navneet Sharma from Indian patent office. Dr. Kalpana Nagpal represented AIP and

delivered a session in an event "Nano Jatha," a nanotechnology conference organized by the Delhi NCR Chapter of the Indian National Young Academy of Science (INAYAS). Dr. Masakastu Nouguchi, Associate Professor at Biodesign Department, Hiroshima University, Japan visited AIP and had an interaction with faculties. Dr. Viswajanani Sattigeri, Director & Distinguished Scientist, CSIR Traditional Knowledge Digital Library (TKDL) visited to delivered a Talk on TKDL and had discussions on possible joint collaborative Research. Dr. Manish Narang delivered a talk on Good Clinical Regulations, focusing on the importance of regulatory frameworks in clinical trials.

Our students are placed on various positions in most reputed companies and majority of them are also undergoing internship according to their research streams and academic performance. Their exceptional performance in the interview makes them very deserving for the position they aspire to. Inter and intra institutional activities were conducted at AIP for the overall scientific and personality development of our students by I&E Cell, R&W Cell such as InsightX, idea tank, debate competition, Questify 2024 etc. Alumni session with Ms. Ramneet Kaur and Ms. Komal Chaudhary helped our students to grow as a better professional. Apart from the scientific world, our students celebrated Teacher's Day to show their respect and love for their teachers. World Pharmacist's Day was celebrated on 25th September 2024. The event underscored the global theme of the year given by WHO and FIP (International Pharmaceutical Federation) "Pharmacists: Meeting Global Health Needs," emphasizing the vital role pharmacists play in ensuring safe medication practices and supporting public health.

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

Dr. Havagiray R. Chitme
Dy. Director
Amity Institute of Pharmacy

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Designed by:



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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.

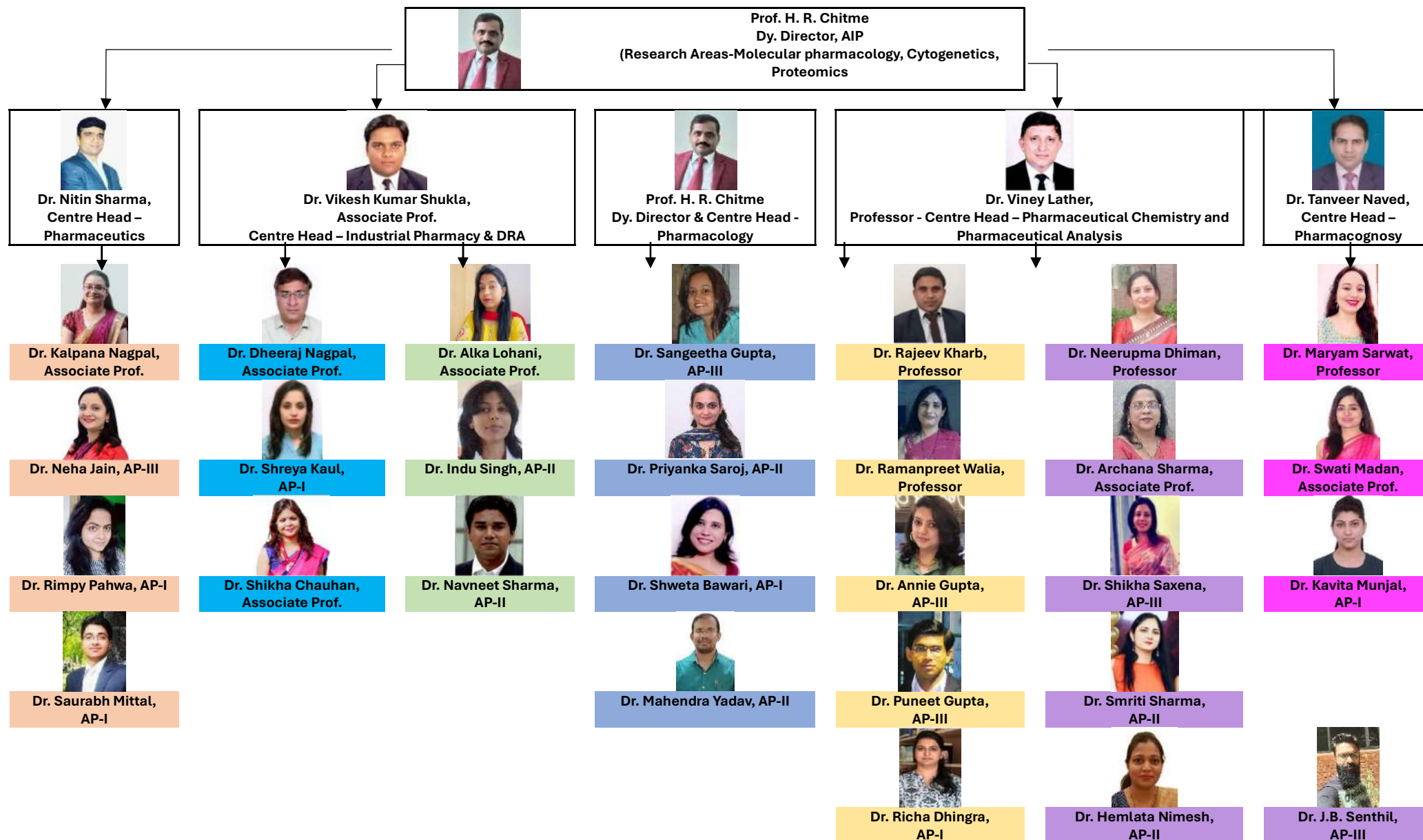
VISION:

"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



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

Project Granted from CST, UP with No. CST/D-786 Project ID 4000. Title: Fractionation, Characterization and Identification of Diagnostic Biomarker from Follicular Fluid of Patients Diagnosed with Endometriosis, Amount 16,36,000 Duration: 3 Years

Invited Resource Person in FDP on Quality enhancement of pharmaceutical research: traditional knowledge system to futuristic approach Organized by Uttaranchal Institute of Pharmaceutical Sciences, Uttaranchal University, Dehradun, Uttarakhand, India JULY 08-21, 2024.



Dr. Rajeev Kharb – Professor, Amity Institute of Pharmacy

Dr. Rajeev Kharb got selected in top 2% Scientist by Stanford University, USA, in the field of Chemistry

Kharb, R.
Amity University, IND

Year 2024 Rank: 357967

Main Field: Chemistry
H-index: 6, Hm-index: 2.78

Sub Field: Medicinal & Biomolecular Chemistry
Rank in the SubField: 1866 out of 10388 authors

Top 2% Listed Year(s): 2024

Logos: Elsevier, Top 2% Scientists, Stanford University

QR code and URL: <https://TopResearchersList.com/>



Dr. Kalpana Nagpal – Associate Professor, Amity Institute of Pharmacy

Dr. Kalpana Nagpal organized and delivered a session on 'Research on Pharmaceutical Nanoscience and Technology' and an overview of INYAS activities in an event "Nano Jatha," a nanotechnology conference organized by the Delhi NCR Chapter of the Indian National Young Academy of Science (INYAS) on 5th July 2024, Miranda House, Delhi University.



Dr. Navneet Sharma, Assitant Professor, Amity Institute of Pharmacy

A patent was granted for his work on Air cleaning technology based patient transport system and procell providing safe passage during transportation.



Publications

SL. No.	Name of the Faculty	Publication Title	Publisher	Level	Published Month & Year
1	Nitin Sharma	Mainuddin.; Kumar, A.; Sharma, A.; Sharma, N. Anti-cancer Drug Targeting using Stimuli Sensitive Mesoporous Silica Nanoparticle in Colorectal Cancer. Current Pharmaceutical Design 2024, 30(39),3071-3073.doi: 10.2174/0113816128321020240903100601.	Bentham Science	Q2	Sep-24
2	Nitin Sharma	Khannaa, K.;Sharma,N.;Karwasra,R.;Kumar,A.; Nishad,D.K.; Janakiraman,A.K.;Mani,R.R.; Rajagopal,M.S. Exploring nalbuphine loaded chitosan nanoparticles for effective pain management through intranasal administration: a comparative study. Journal of Drug Targeting 2024,1-12. doi: 10.1080/1061186X.2024.2397800	Taylor & Francis	Q1	Sep-24
3	Nitin Sharma	Kumar,S.; Sharma,b.; Sharma,A.; Sharma, N. Unraveling the Plausible Role of Potassium Channel Openers in Alzheimer's Disease. Cent Nerv Syst Agents Med Chem. 2024,doi: 10.2174/0118715249330827240819040302.	Bentham Science	Q4	Aug-24
4	Nitin Sharma	Priyanshi,R.;Sharma,A.;Kumar,S.;Gupta,A.;Sharma,B.;Sharma,N. Unveiling the Applications of Phytoconstituents in Neuropathic Pain. Cent Nerv Syst Agents Med Chem. 2024.doi: 10.2174/0118715249312031240803190651.	Bentham Science	Q4	Aug-24
5	Nitin Sharma	Arora,A.; Sharma,A.; Singh,S.; Singh,R.; Kakkar,D.; Sharma,N. Nanoparticles encapsulated in Abelmoschus esculentus polysaccharide-based pellets as colon targeting approach. Journal of Microencapsulation 2024, 1–16.DOI:10.1080/02652048.2024.2390951	Taylor & Francis	Q2	Aug-24
7	Maryam Sarwat	Sharma N, Gupta M, Anand P, Akhter Y, Al-Dayan N, Majed HA, Biswas S, Ali S, Sarwat M (2024) Mechanistic insight into the autophagic and apoptotic activity of kaempferol on liver cancer cells. OncoTargets and Therapy 17: 579-601, DOI: 10.2147/OTT.S460359.	Taylor and Francis	Q2	Jul-24
8	Maryam Sarwat	Malik S, Sikander M, Wahid M, Dhasmana A, Sarwat M, Khan S, Cobos E, Yallapu MM, Jaggi M, Chauhan SC (2024) Deciphering cellular and molecular mechanism of MUC13 mucin involved in cancer cell plasticity and drug resistance. Cancer Metastasis Rev. Springer doi: 10.1007/s10555-024-10177-8.	Springer	Q1	Sep-24

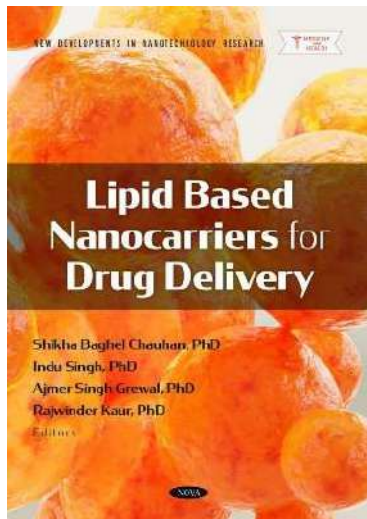
9	Shreya Kaul	Palak Sharma, Shreya Kaul*, Neha Jain*, Manisha Pandey & Upendra Nagaich. Enhanced Skin Penetration and Efficacy: First and Second Generation Lipoidal Nanocarriers in Skin Cancer Therapy. AAPS PharmSciTech. 2024; 25 (170)	Springer	Q1	Jul-24
10	Shreya Kaul	Aarushi Kaith, Neha Jain, Shreya Kaul*, Upendra Nagaich. Polysaccharide-infused bio-fabrication: Advancements in 3D bioprinting for tissue engineering and bone regeneration. Materials today communication. 2024; 40 (109429)	Elsevier	Q2	Aug-24
11	Havagiray Chitme	Kishan Singh, Nidhi Nainwal, Havagiray R. Chitme, (2024). A Review on recent Advancements in Pharmaceutical Technology Transfer of Tablets from an Indian perspective, Annales Pharmaceutiques Françaises, 2024, https://doi.org/10.1016/j.pharma.2024.08.001 .	Elsevier		Aug-24
12	Havagiray Chitme	Sharma, M., Maurya, K., Nautiyal, A., & Chitme, H. R. (2024). Monogenic Diabetes: A Comprehensive Overview and Therapeutic Management of Subtypes of Mody. Endocrine Research, 1–11. https://doi.org/10.1080/07435800.2024.2388606	Taylor & Francis	Q3	Aug-24
13	Swati Madan	Vratika Jain, Shreya Chaturvedi, Shahid Jamil, Rama Tyagi, Satyadev Arya, Swati Madan Ashwagandha: botanic occurrence, conventional uses, and significance in heart, metabolic, renal and hepatic disorder, Nutrition & Food Science	Emerald Publishing		Jul-24
14	Swati Madan	Nilanchala Sahu 1 , Rama Tyagi 2 , Neeraj Kumar 3 , Mohd. Mujeeb 3 , Ali Akhtar 4 , Perwez Alam 4,* and Swati Madan 5,*Forecasting the Pharmacological Mechanisms of Plumbago zeylanica and Solanum xanthocarpum in Diabetic Retinopathy Treatment: A Network Pharmacology, Molecular Docking, and Molecular Dynamics Simulation Study	MDPI	Q1	Sep-24
15	Neha Jain	Triveni, Upendra Nagaich, Dinesh Kumar Mishra, Neha Jain. Full factorial design-based development and characterization of ciclopirox olamine loaded transferosomes: An efficient approach for the management of Athlete's foot. Journal of Drug Delivery Science and Technology 2024; 99; 105939.	Elsevier	Q1	Jul-24
16	Neha Jain	Manisha Pandey, Tarun Kumar, Harsh Goswami, Rasna Kumari, Shivani Kumara, Neha Jain, Bapi Gorain, Pawan Kumar Mauyra, Viney Chawla, Pooja A Chawla. Nano-nutraceuticals to Combat Oxidative Stress: Unlocking Newer Paradigms in Adjuvant Therapy. Current Topics in Medicinal Chemistry 2024.	Bentham Science	Q1	Jul-24
17	Neerupma Dhiman	BOYAPATI, I., DHIMAN, N., & KULKARNI, G. T. (2024). Development and evaluation of multiple unit particulate system (MUPS) of topiramate for taste masking. Journal of Research in Pharmacy, 28(4).	Marmara University	Q3	Jul-24

18	Neerupma Dhiman	Sundram, S., Dhiman, N., Malviya, R., & Awasthi, R. (2024). Synthesis of Novel Acrylamide Graft Copolymer of Acacia nilotica Gum for the Stabilization of Melatonin Nanoparticles for Improved Therapeutic Effect: Optimization Using (3) 2 Factorial Design. ASSAY and Drug Development Technologies.	Mary Ann Liebert, Inc., publishers	Q3	Jul-24
19	Saurabh Verma	Abhinav Babu, Aniket Bhardwaj, Saurabh Verma, , Magnetic nanoparticles (MNPs): Design, characterization, release mechanism and remote-controlled application for targeted therapeutics. International journal of research in pharmaceutical sciences-2024, 15, 3, 117-135. https://doi.org/10.26452/ijrps.v15i3.4704	Elsevier (J K welfare and pharoscope)		Aug-24
20	Kalpana Nagpal	Chauhan S.; Nagpal K. Latest Delivery Advancements of Lipid Nanoparticles for Cancer Treatment-2024, Assay and Drug Development Technologies, 22, 6, 340-360. https://www.liebertpub.com/doi/abs/10.1089/adt.2024.019	Mary Ann Liebert, Inc., publishers.	Q3	Sep-24
21	Kalpana Nagpal	Bhardwaj V.; Kulkarni G.T.; Nagpal K. Unlocking Antioxidant-Anticancer Synergy: An Exploration of Therapeutic Bioactives from Methanolic Extracts of Rubus ellipticus and Boerhavia diffusa Using HeLa Cell Line. 2024. Assay and Drug Development Technologies. https://doi.org/10.1089/adt.2024.040	Mary Ann Liebert, Inc., publishers.	Q3	Jul-24
22	Kalpana Nagpal	Srivastava N.; Bansal A.; Aggarwal K.; Nagpal K. Development and Validation of UV Spectrophotometric Method for the Quantitative Estimation of Quercetin in Bulk Followed by Its Solubility Studies. Journal of Applied Spectroscopy. 91, 3, 700-708. https://link.springer.com/article/10.1007/s10812-024-01773-1	Springer	Q4	Jul-24
23	Kalpana Nagpal	S S, K. D., Joga, R., Srivastava, S., Nagpal, K., Dhamija, I., Grover, P., & Kumar, S. (2024). Regulatory landscape and challenges in CAR-T cell therapy development in the US, EU, Japan, and India. European journal of pharmaceutics and biopharmaceutics: official journal of Arbeitsgemeinschaft fur Pharmazeutische Verfahrenstechnik e. V, 201, 114361. https://doi.org/10.1016/j.ejpb.2024.114361	Elseviers	Q1	Aug-24

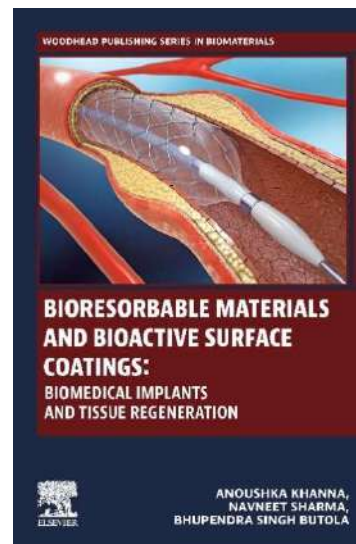
Book Chapters

SN	Authors Name	Title	Year	Publisher
1	Dr Kavita Munjal	Lipid nanoparticle for blood-brain barrier penetration	August 9, 2024	Nova Science Publisher (Scopus Indexed)
2	Dr. Shreya Kaul/Dr. Neha Jain	QbD and artificial intelligence in nanoparticulate drug delivery systems: recent advances.	2024	De Gruyter (Scopus Indexed)
3	Dr. Shreya Kaul/Dr. Neha Jain	Molecular simulations and process modeling of tableting technology: recent advances and future insights	2024	De Gruyter (Scopus Indexed)

Books Published



Dr. Shikha Baghel Chauhan/Dr. Indu Singh, Lipid Based Nanocarriers for Drug Delivery, August 9, 2024, Nova Science Publisher (Scopus Indexed), 979-8-89113-920-6



Dr. Navneet Sharma, Bioresorbable Materials, 24/08/2024, Elsevier

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
Mr ASHISH KUMAR SINGH	A10631219004,	Dr. Rajeev Kharb	Development and Evaluation of Nano Encapsulated Octacosanol for Lipid Lowering Effect	20-09-2024
Ms DIVYA SINGH	A10631217008	Dr. Rajeev Kharb	Design and Synthesis of Novel Substituted Schiff's Base Derivatives as Anti Microbial and Anti-Inflammatory Agents	20-09-2024
Mr BOYAPATI ISAIAH	A10631218002	Dr. Neerupma Dhiman	Development and Evaluation of Modified Release Dosage Forms Using MUPS Technology For Selected Drugs	29-08-2024
Ms TRIVENI	A10631121002	Dr. Neha Jain	Design, Optimization and Characterization of Antifungal Drug Loaded Transferosome Based Hydrogels for the Management of Foot Dermatophytosis	13-08-2024

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 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
8.	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
9.	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
10	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

Guest Lecture Delivered

Dr. Kalpana Nagpal Chaswal	Organized the event Nanojatha and delivered an inaugural session on Research on Pharmaceutical Nanoscience and Technology and INYAS activities, ONE DAY Nano Jatha Event @ Miranda House, University of Delhi, on 05.07.2024
Dr. Kalpana Nagpal Chaswal	Organized the event and delivered a session on "Creating ideal learning environments: approaches for enhancing classroom teaching and learning atmospheres" in an event organized by INYAS, INSA NCR Zone on 24th August 2024 at 11:30 AM
Dr. Navneet Sharma	Specialized CBRN Emergency Management Course for Special Protection Group (SPG) Division of CBRN Defence, INMMAS, DRDO on 25/09/2024
Dr. Navneet Sharma	Specialized CBRN Emergency Management Course for Special Protection Group (SPG) Division of CBRN Defence, INMMAS, DRDO on 22/07/2024

Dr. Kalpana Nagpal, Associate Professor, AIP, AUUP organized and delivered a session on 'Research on Pharmaceutical Nanoscience and Technology' and an overview of INYAS activities in an event "Nano Jatha," a nanotechnology conference organized by the Delhi NCR Chapter of the Indian National Young Academy of Science (INYAS) on 5th July 2024, Miranda House, Delhi University.










Indian National Young Academy of Science
presents

***Rural Science Education
&
Training Utility Programme (RuSETUP)***

Organized by Delhi NCR Chapters of
Indian National Young Academy of Science
in association with
Department of Chemistry, Miranda House

Next Generation Science Standards

**Learning by
Performing & Exposure visit to Advanced Laboratory**

Date : 5th July, 2024
Venue : Mini Auditorium , Miranda House, Delhi

Call for Registration
<https://forms.gle/EQGEQkuG4XaESDFc6>

EVENT COORDINATORS


Prof. Ritu Gupta, Associate Professor, Department of Chemistry, IIT Delhi
Prof. Kalawati Saini, Miranda House, University of Dlehi
Prof. Rajendra Dhaka, Associate Professor, Department of Physics, IIT Delhi
Dr. Kalpana Nagpal, Associate Professor, Amity Institute of Pharmacy, Noida campus,
Dr. Rohini Garg, Associate Professor, School of Natural Sciences, Shiv Nadar University, Delhi



Vipins' Z Fold4



Vipins' Z Fold4



Indian National Young Academy of Science

presents

RUSE TUP 2024

Rural Science Education & Training Utility Program

Organized by Delhi NCR Zone of Indian National Young Academy of Science (INYAS) in association with Division of Agronomy, ICAR-Indian Agricultural Research Institute

Date: 24-25 August 2024


Venue: Division of Agronomy, ICAR-IARI, New Delhi

Target Audience: High School and Intermediate Science Teachers

Next Generation Science Standards

Learning by Doing & Visit to Advanced Laboratories

Hurry up! Limited seats! Last date for registration 20 August, 2024



****Scan the QR for Registration****

Selected participants will be informed by email

The selected participants will be provided

- Accommodation (1 night)
- Meal Arrangements
- Travel support (to and fro limited to 1000 Rupees)

EVENT COORDINATORS

Dr. Subhash Babu (ICAR-IARI, INYAS NCR Zone Coordinator)

Dr. Veda Krishnan (ICAR-IARI, INYAS Secretary)

Dr. Kalpana Nagpal (Amity University, Member INYAS)

Dr. Chhama Awasthi (DST, INYAS, NCR Zone Co-coordinator)

Dr. Ashwani Kumar Tiwari (JNU, Member INYAS)

Dr. Sandhya Lakshmanan (CSIR-NIScPR, Member, INYAS)

Dr. Viswajanani Sattigeri, Director & Distinguished Scientist, CSIR-Traditional Knowledge Digital Library (TKDL) visits Amity University, held on 30 September 2024 to deliver a Talk on TKDL and have discussions on joint collaborative Research.



Providing information about Traditional Knowledge Digital Library (TKDL), Dr. Viswajanani Sattigeri, Director TKDL & Distinguished Scientist CSIR, averred, “The Traditional Knowledge Digital Library (TKDL) is a pioneering initiative of India, under the joint collaboration of the Council of Scientific and Industrial Research (CSIR) and Ministry of Ayurveda, Yoga & Naturopathy, Unani, Siddha, Sowa Rigpa and Homoeopathy (AYUSH), to prevent exploitation and to protect Indian traditional knowledge at Patent Offices worldwide. Traditional Knowledge (TK) is a valuable yet vulnerable asset to indigenous and local communities who depend on TK for their livelihood. TKDL technology integrates diverse disciplines such as Ayurveda, Unani, Siddha, Sowa Rigpa and Yoga, and languages such as Sanskrit, Arabic, Urdu, Persian, Tamil, English, Japanese, Spanish, French, German, and traditional knowledge with modern science & modern medicine. Currently, TKDL contains information from books of Indian Systems of Medicine, which are available in open domain and can be sourced by any individual or organization at national or international level.”



1 Interaction of Dr. Sattigeri with Vice Chancellor and facilitation at VC office

INTERACTION WITH INTERNATIONAL DELGATE

Dr. Masakastu Nouguchi, Associate Professor at Biodesign Department, Hiroshima University, Japan visited Amity University on Thursday, 5th September 2024. He is also the Founder of Medical Device Startups: a Scoliosis Screening System in Japan and AI based cystoscopy examinations in the USA. Dr. Masakastu Nouguchi has expressed his interest to meet the Faculty Members from following Research Areas during this visit.

Glimpes of the interaction of AIP faculties with Dr. Masakastu Nouguchi

RESEARCH AREA

- Cancer Research
- Genome Engineering
- Public Health
- NeuroSpine
- Drug Discovery and Development



2 Dr. Masakastu Nouguchi, meeting with AIP Faculty Members

Patents Filed

S.No	Name of Inventors	Title	Complete/ Provisional	Date of Submission	Application No.
1	Dr. Havagiray R. Chitme	A herbal emulsion formulation with anxiolytic potential and method of preparation thereof	Complete	August 5, 2024	202411058933
2	Dr. Havagiray R. Chitme	A method for the preparation of fe ₃ o ₄ (iron ii, iii) oxide) nanoparticles.	Complete	August 5, 2024	202411058932
3	Dr. Kalpana Nagpal Chaswal	Nano-formulation of a novel zinc (II) trinuclear complex with tetra dentate schiff base ligand and azido ion to treat prostate cancer	Provisional	August 10, 2024	TEMP/E1/68049/2024-DEL
4	Dr. Sangeetha Gupta	A method for evaluating anticancer potential of cow colostrum in nash-associated hcc using stam mice'	Provisional	August 27, 2024	TEMP/E-1/75602/ 2024-DEL
5	Dr. Neha Jain	Topical formulation of meloxicam and ginger oil for enhanced therapy of osteoarthritis and preparation method thereof	Provisional	September 09, 2024	TEMP/E-1/76236/2024-DEL
6	Dr. Hemlata Nimesh	Synthesis of novel indole-quinoline derivatives and evaluating antiangiogenic activity	Complete	September 26, 2024	202311064892

Recruiters at AIP

Placement Drive

PharmaAce

Virtual Campus drive was conducted on 11th September 2024

Following M. Pharm students were selected and shall be joining after course completion.

1. Ms. Srishti M.Pharm (Pharmaceutics)
2. Mr. Manan Grower M.Pharm (DRA)

Apprenticeship/Internship

Datt Mediproducts - Leaders in Medical Devices

Campus Placement Drive was conducted on 28th August 2024 for M.Pharm students, Two students were shortlisted for internship In DRA department and both students will hired after completion/declaration of final results

1. Ms. Prachi Sharma
2. Mr. Uttraksh Vashisth

Metronics – A fortune 500 company and Global leader in Medical Devices

Ms. Simran M. Pharm, DRA was selected for apprenticeship, may be absorbed by company after successful completion of apprenticeship.

PLACEMENT AT A GLANCE

Some of the corporates where our students are working:

INMAS (DRDO)

Vishal Rastogi of M. Pharm (Pharmacology) has been selected for internship.

Placement process for B.Pharm and M.Pharm students for the following companies for year 24-25 has started

Fresenius Kabi – A fortune 500 company and Global leader in Oncology

Xogene- is headquartered in New Jersey is leading global CRO has conducted Virtual placement drive for B. Pharm and M. Pharm students, final result is awaited

Zyla is an health sector organisation Head Quartered at Gurugram, Haryana has started Placement process for hiring of B. Pharm and M. Pharm students has started



3 Manish Gaur – Country Director -Metronics with Dr. Tanveer Naved & Mr. Rajiv Malhotra, CRC-Head

Guest Speaker – Manish Gaur – Country Director -Metronics

17th September 2024- Career Guidance Session by Alumni

Mr Arpit Chowdhury, Product Manager -DD Health Care



Regular Meeting of CRC Team, chaired by Mr Rajiv Malhotra, Head CRC are being held with student’s coordinators, to increase industry and student’s participation.

CRC student coordinators – B.Pharm 4th Year

1. Nitish Kumar Tewari
2. Ansh Srivastava
3. Kundan Sharma
4. Dhruvjyoti

Placement Brochure 2024-25 is designed by student design team comprising of Kritk Vashisth and Saransh Gupta

Conference and Workshop 2024

Good Regulatory Practices Workshop

The poster for the 'Good Clinical Regulations Workshop' is designed with a dark blue and white color scheme. At the top left, the Amity University logo is displayed. The main title 'GOOD CLINICAL REGULATIONS' is written in large, bold, white capital letters. Below the title, a red pill-shaped button contains the word 'WORKSHOP'. A circular portrait of Dr. Manish Narang is positioned on the left side. To the right of the portrait, a calendar icon indicates the date '30 SEPT, 2024' and the time '11:00AM'. Below the date, the venue 'Seminar Hall, Ground floor, AINST, B block' is listed. At the bottom, a red pill-shaped button labeled 'ORGANIZING TEAM' is followed by three circular portraits of the organizers: Dr. H. R. Chitme (Convener), Dr. Vikesh Kumar Shukla (Co-Convener), and Dr. Navneet Sharma (Organizing Secretary).

On 30th September 2024, AIP (M. Pharm DRA) successfully organized a workshop on Good Clinical Regulations, focusing on the importance of regulatory frameworks in clinical trials.

Keynote Speaker:

The workshop featured Dr. Manish Narang, Director of Medical Affairs, APAC, Abbott, as the keynote speaker. Dr. Narang provided an in-depth analysis of the current global clinical regulations and the compliance requirements necessary to ensure the safety and efficacy of clinical research. His presentation emphasized the importance of Good Clinical Practices (GCP) in the pharmaceutical industry and how regulatory frameworks impact drug development and patient safety.

Key Takeaways:

The event provided attendees with a comprehensive overview of clinical regulatory affairs, addressing topics such as ethical considerations, patient rights, and the practical challenges of maintaining compliance across different regulatory environments. Participants, including students and professionals, gained valuable insights into the complexities of global clinical regulations, preparing them for future roles in clinical research and regulatory affairs.

Overall, the workshop was an informative and engaging session, contributing to the professional development of the attendees and reinforcing the university's commitment to fostering knowledge in critical areas of pharmaceutical and clinical research.

Committee Activities at AIP

On 17th September 2024, a debate competition was organized as part of **National Pharmacovigilance Week, celebrated from 17th-25th September'2024**. The event was organized by the **Rx Club**, brought together students to engage in discussions on two contemporary topics: **"Is AI a Friend or Foe?"** and **"Is Telemedicine a Boon or Bane?"** - the event aimed to foster critical thinking and awareness about key healthcare issues.



The key themes of the event:

1. **Pharmacovigilance Week:** The event was held during National Pharmacovigilance Week, emphasizing the importance of **drug safety** and monitoring adverse effects to ensure the safe use of medicines.

2. **Rx Club:** The debate was hosted by the **Rx Club**, a student body focused on promoting healthcare knowledge, especially around drugs, patient safety, and public health discussions. The club encourages critical thinking and innovation in healthcare.

Our session commenced with a keynote address by our Deputy Director, **Dr. H.R. Chitme**, who emphasized the critical role of Adverse Drug Reaction (ADR) reporting in pharmacovigilance. He highlighted the significance of vigilant monitoring in ensuring drug safety.

Debate Format:

- **Speaking Time:** Each contestant was allotted **3 minutes** to present their arguments.
- **Cross-Questioning:** Following each presentation, there was a **2-minute** period for cross-questioning by the panel and audience members.

This allowed the panel and audience members to challenge the speaker's views and encouraged in-depth discussions on the topics. The competition was divided into two sessions:

Session 1: “IS AI A FRIEND OR FOE OF TELEMEDICINE”

Key Participants:

- **For the Motion:**
 - **Sharda Sangam, Pearl Sharma, Lovenya, Prateek Pathak, Raghav Goyal, Shivam, and Radha Sharma** each presented different aspects of AI’s contributions, such as predictive analytics, robotic surgeries, and personalized patient care.
- **Against the Motion:**
 - **Aman, Shayantan Ghosh, Khushwant Singh, and Akshay** raised concerns about AI’s limitations, ethical implications, privacy issues, and its potential to replace human jobs.

Session 2: "Is Telemedicine a Boon or Bane?"

Key Participants:

- **For the Motion:**
 - **Mohini Diwan, Sakshi Ahlawat and Pulkit Aggarwal** discussed telemedicine’s advantages, such as improving healthcare access, especially in rural areas, and reducing healthcare costs.
- **Against the Motion:**
 - **Kabil Malhotra and Kasak Saha** raised concerns about privacy issues, lack of personal interaction in telemedicine, and digital barriers faced by certain populations.

Key Insights:



1. Artificial Intelligence (AI):

- **Proponents** highlighted AI’s impact on healthcare, including advancements in diagnostics, predictive healthcare, and robotic surgeries.
- **Critics** focused on the risks, such as job displacement, ethical concerns, and potential biases in AI algorithms.

2. Telemedicine:

- **Supporters** emphasized telemedicine’s potential to improve healthcare access and reduce costs, especially in underserved



areas.

- **Opponents** pointed out challenges such as privacy concerns, lack of personal care, and technological barriers.

The judges judged the students based on their delivery, content and rebuttal



Closing Remarks:

Our faculty coordinator Dr. Swati Madan concluded the event by acknowledging the participant’s efforts and the thought-provoking discussions. She emphasized the importance of such debates in shaping future healthcare practices and policies. All participants were commended for their efforts and the audience was encouraged to continue exploring these important issues.



Conclusion:

The debate provided a platform for students to critically examine the challenges and opportunities presented by AI and telemedicine. Through events like this participant are encouraged to engage with evolving healthcare challenges and contribute to shaping future solutions.

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InsightX - Poster/Presentation Competition

Date: 19th & 23rd September, 2024

The Research and Writing Cell organized the highly anticipated InsightX poster and oral presentation competition. This event aimed to provide a platform for students to showcase their research ideas and poster designs, fostering a spirit of innovation and academic excellence among young researchers.

Prof. Dr. Maryam Sarwat, faculty coordinator Research and Writing Cell, AIP, was a key driving force behind the Research and Writing Cell, was the first to take the podium. She shared her thoughts on the importance of research in shaping the future of science and medicine, inspiring students to continuously push the boundaries of knowledge. Following her, Prof. Dr. H.R. Chitme, Dep. Dir. Research, AIP, was invited to the stage. His words emphasized the importance of perseverance and innovation in academia, motivating the students to take bold steps in their research journey. He further shared his thoughts on importance of happiness in student's lives.





AMITY INSTITUTE OF PHARMACY
RESEARCH AND WRITING CELL
PRESENTS



INSIGHT X

A POSTER/PRESENTATION BATTLE

19TH SEPTEMBER, 2024





HIGHLIGHTS

Insight X competition: Platform for students to showcase research ideas.

Presentation formats: Includes both poster and oral presentations.

Research opportunities: Chance to collaborate with an esteemed professor.

Constructive feedback: Participants receive valuable critiques.


DR. MARYAM SARWAT


DR. H.R. CHITME


DR. VINAY LATHER


DR. MARYAM SARWAT


DR. SMRITI MISHRA


DR. SMRITI MISHRA


DR. SMRITI MISHRA


DR. SMRITI MISHRA

GUEST OF HONOUR



DR. INDRAGULA MUKUNDEC
DIRECTOR AMITY INSTITUTE OF CLIC
CHENNAI

STUDENT COORDINATOR
Amitao Dixit (+919811204094)
Mahak Dahiya (+91 73039 08619)
Lavanya (+91 84407 69234)

AT A BLOCK
ROOM NO. 107

2:00 PM - 4:00 PM

CO EXECUTIVE DIRECTORS:
Radha Kumari
Sanjoli Srivastava
Anika Sominder

Next, Prof. Dr. Tanveer Naved, Dep. Dean, Health and Allied Sciences, graced the stage, providing valuable insights into the role of



interdisciplinary research and its significance in solving real-world challenges. His address was followed by Prof. Dr. Monalisa Mukherjee, Director, Amity Institute of Click Chemistry Research and Studies (AICCRS) and Professor of Amity Institute of Biotechnology (AIB) at Amity

University Noida, her words of wisdom encouraged students to embrace research as a tool for societal improvement.



The panel of judges, consisting of Dr. Alka Lohani and Dr. Hemlata Nimesh, both esteemed faculty members at the institute, were then introduced. They shared their perspectives on the event and addressed the participants,

stressing the importance of accuracy, dedication, and creativity in research. Their guidance provided much-needed encouragement as the competition commenced.

The main highlight of the event was the poster and presentation competition, where students presented their research work through posters and detailed presentations. Each participant showcased their hard work and creativity, impressing both the audience and the judges with their innovative approaches to various pharmaceutical and healthcare-related topics. The competition saw participation from a diverse group of students, each contributing unique research ideas.

After a series of remarkable presentations and poster displays, the event concluded with a vote of thanks by Dr. Kalpana Nagpal, who extended heartfelt gratitude to all the participants, organizers, and judges for making the event a grand success. Certificates of participation were distributed to the students as a token of appreciation for their dedication and contribution.

The winners of the competition and the co-ordinators of the event were awarded their certificates, which included 1st position winner, Surbhi, 2nd position winners Yashwardhan, Ashmit and Deepanshu, 3rd position was awarded to Shashwat and finally Best Poster certificate was given to Sneha Yadav.





The InsightX competition not only provided a platform for students to exhibit their research but also instilled a deeper appreciation for academic inquiry. The event was a resounding success, showcasing the incredible potential of Amity’s young researchers and reaffirming the institute's commitment to fostering innovation and intellectual growth.

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World Pharmacists Day Celebration – 2024

Organised by Amity Institute of Pharmacy, Noida Campus and Rx Club of health and Allied Science Domain held on 25th September, 2024

Amity Institute of Pharmacy (AIP), AUUP, Noida, commemorated World Pharmacists Day on September 25, 2024. The event underscored the global theme of the year given by WHO and FIP (International Pharmaceutical Federation) "Pharmacists: Meeting Global Health Needs," emphasizing the vital role pharmacists play in ensuring safe medication practices and supporting public health.

The event was inaugurated by lamping the light. Dr. Sanchit Sharma, Executive Director of Ayouthveda, AIMIL Pharmaceuticals, Delhi was the Chief-Guest for the function; Dr. Anant Narayan Bhatt, Scientist at the Institute of Nuclear Medicine & Allied Sciences (INMAS), DRDO, Delhi was the Guest-of-Honor.

Dr. H R Chitme, Deputy Director of AIP welcomed the Chief-Guest, Guest-of-Honor, and all the faculty members and students. Dr. Chitme, highlighted the importance of World Pharmacists Day and the pivotal role played by the pharmacists in healthcare. He mentioned that the theme for this year is based on the belief of India “Vasudaiva Kutumbaum” and inclusion of Global South in G20. The pharmacists need to be ready to face the global challenges such as COVID pandaemic. Dr. Viney Lather addressed the students, highlighting the societal responsibilities of pharmacists, the challenges they face, and the importance of continuous learning and professional growth.

Dr. Sanchit Sharma emphasized the importance of pharmacists in ensuring drug safety, the need for internal testing before medication reaches patients, and the transformative potential of new technologies in drug discovery. He also encouraged the students to learn from the case studies and case files to become a better pharmacist. All Indian pharmacists are the backbone of global healthcare system. He invited the students to visit his industry for training and internship and also to understand the integration of Indian System of Medicine with modern medicine.

Dr. Bhatt, provided a historical perspective on pharmacy, highlighting the critical role pharmacists play in modern healthcare and the importance of avoiding medication errors. He recalled the importance of

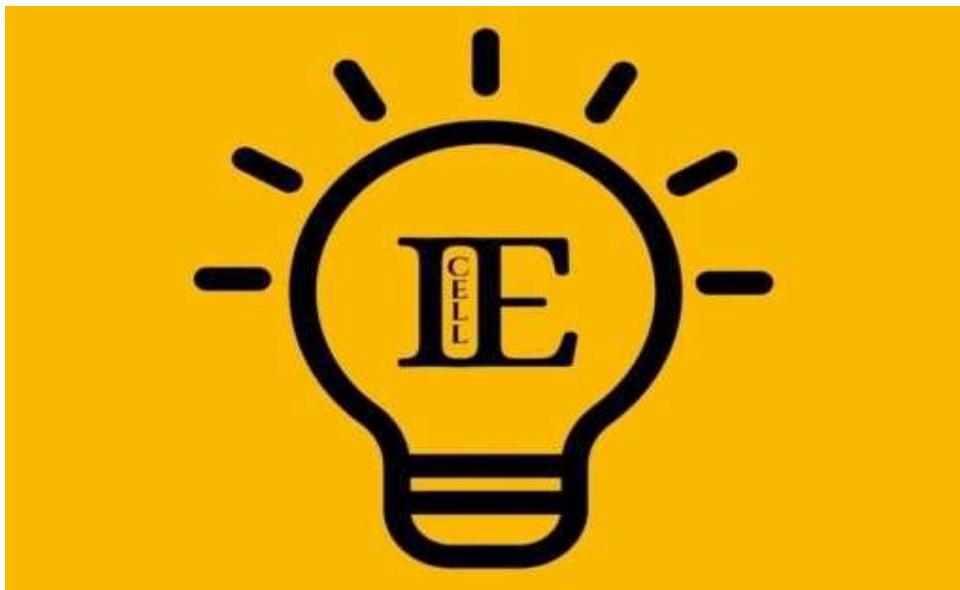
discovery of 2DG for the treatment of COVID -19. He motivated the young pharmacists to learn from each other and from nearby institutes.

A symbolic awareness rally was organized on the day to emphasize the importance of pharmacists and their contributions to healthcare. Participants carried banners and placards highlighting the theme of the event.

At the end of the event, the certificates were distributed to the winners of Debate, Rangoli and Poster competitions.

Dr. Tanveer Naved delivered the vote of thanks, expressing gratitude to all the speakers, participants, and organizers for their contributions to the successful event.





Innovation and Entrepreneurship Cell Idea Tank 2024

Event Name: **Idea Tank**

Date: 22 August 2024

Organized by: Innovation and Entrepreneurship Cell, AIP

Objectives: To foster innovation and entrepreneurship by providing a platform for participants, to pitch creative startup ideas while honing their presentation and critical thinking skills.

Co-ordinators: Pearl Sharma & Divyanshu Srivastava

The Idea Tank 2024 competition was a resounding success, bringing together innovative minds and entrepreneurial spirit in a dynamic and engaging environment. 21 August is celebrated as World

Entrepreneurship Day every year. The competition was held on Thursday, 22 August 2024. The detailed report of the event is as follows:

Welcome and Introduction by Host

The event kicked off with a warm welcome from our host, Pearl Sharma. She set an enthusiastic tone for the day, providing a brief overview of the schedule and outlining the exciting activities that awaited the participants and attendees.

Introduction of Judges

Following the welcome address, Pearl introduced the esteemed panel of judges: Dr. Garima Agarwal: Head of the University Entrepreneurship Cell.

Dr. Nitin Sharma: Head of Innovation and Entrepreneurship Cell, AIP , Their expertise and leadership in the field of innovation and entrepreneurship were instrumental in evaluating the participants' presentations. Keynote Speech by Dr. H.R. Chitme

Dr. H.R. Chitme, Head of Institution, AIP, delivered an inspiring keynote speech highlighting the significance of innovation and creativity in today's competitive world. His address provided valuable context for the participants, underscoring the importance of originality and forward-thinking in their presentations.

Felicitation of Dr. Garima Agarwal

Dr. Garima Agarwal was honored with a special felicitation, presented by Dr. Tanveer Naved and Dr. H.R. Chitme. This recognition celebrated her exceptional contributions to the field of entrepreneurship and her role in fostering innovation.



Competition Rules and Overview

Participants were informed of the competition rules: Each presentation was allotted a specific time limit (e.g., 10 minutes) for completion. Judging criteria included the Innovation & Originality, Market Potential, Feasibility & Execution, Business Model, Presentation Skills and Q&A session.

This structure ensured a fair evaluation process for all participants.

The competition commenced with the first team taking the stage. Each team showcased their innovative ideas and solutions, demonstrating creativity and in-depth understanding of their topics. The presentations covered a wide range of inventive concepts, reflecting the diverse talent pool of the participants.

Vote of Thanks by Dr. Tanveer Naved

Dr. Tanveer Naved, Deputy Dean of Health and Allied Sciences, delivered a heartfelt vote of thanks. He expressed gratitude to the participants, judges, and attendees for their contributions and enthusiasm, concluding the event on a high note.

Closing Remarks by Dr. Garima Agarwal

Dr. Garima Agarwal addressed the audience with closing remarks, commending the participants for their hard work and creativity. She shared personal experiences and offered encouraging advice, inspiring the participants to continue pursuing their innovative aspirations.

Announcement of Winners

The competition concluded with the announcement of the winners:

First Prize: Monster Crunch Bars

Second Prize (shared): Vita Gum and Biodegradable Menstrual Cups
The winners were recognized for their exceptional presentations and innovative ideas, contributing significantly to the field of entrepreneurship.

Conclusion:

Idea Tank 2024 was a remarkable event, showcasing the remarkable talent and creativity of its participants. The event highlighted the importance of innovation and provided a platform for emerging entrepreneurs to present their ideas and solutions. We extend our sincere thanks to all participants, judges, and attendees for making the event a success.



Questify 2024 Competition Report

Event Name: Questify

Date: 26 September 2024

Organized by: Innovation and Entrepreneurship Cell, AIP

Co-ordinators:

- Scorekeepers: Gulpreet and Simran
- Timekeepers: Yashika and Shweta
- Photography & Media Coverage: Divyanshu and Tanishq
- Overall Coordination: Abhishek and Kabil Malhotra

Hosts:

Round 1: Prateek and Anshika

Round 2: Harshita

Round 3: Saarthak



Welcome address: The event commenced with a warm welcome by Mohini Diwan, setting a lively and engaging tone for the trivia competition.

Event structure: A total of 16 teams participated in the Questify Trivia Event, which consisted of three rounds:

ROUND 1 - Specific Genre

ROUND 2 - Random Genre

ROUND 3 - Taglines

Round 1: Genre-Wise Questions

This round featured questions from five different genres.

Participants were given 10 seconds to answer each question.

For every correct answer, 5 points were awarded.

The round tested the versatility of participants across various genres

Round 2: Buzzer and Elimination Round

Teams competed head-to-head with random questions from different genres.

The team that pressed the buzzer first moved on to the next round, while others were eliminated.

For each correct answer, 5 points were awarded.

At the end of Round 2, a Wild Card Entry was introduced, where eliminated teams were given a chance to re-enter the competition by answering a series of wildcard questions.

Round 3: Finale

Six teams advanced to this round. The buzzer system was retained, with teams competing to press the buzzer first.

For every correct answer, 5 points were awarded.

There was no negative marking in any round.

Final Scores and Winners:

At the conclusion of the event, the scores from all rounds were tallied.

✚ Winners: Piyush and Sahil with a total of 50 points

✚ Runners-Up: Jaskirat and Shivansh with 20 points

Prize distribution:

The event concluded with the medal and certificate distribution. Dr. Navneet Sir and Dr. Nitin Sir presented the medals and certificates to the winners and runners-up. Participation certificates were also distributed to all participants.

Conclusion:

Overall, the Questify Trivia Event was a highly engaging and lively experience. With 16 teams competing, the participants and audience were thoroughly involved, making the event a grand success. The

enthusiasm and competitiveness displayed by the teams were truly commendable.

GLOBAL BIOINDIA 2024

The winners of Idea Tank showcased their innovative healthcare products at the GLOBAL BIOINDIA event organized by BIRAC at Bharat Mandapam.



Alumni Meet

Date: August 20, 2024

Speaker: Ramneet Kaur, Alumni (B. Pharm)

Topic: Medical Coding as a Profession

Attendees: B. Pharm students, Faculty members

Introduction

On August 20, 2024, the Department of Pharmacy organized an insightful alumni session featuring Ms. Ramneet Kaur, a distinguished alumna, who delivered a comprehensive talk on "Medical Coding as a Profession." Ms. Kaur, currently working as a certified medical coder, aimed to introduce B. Pharm students to the growing field of medical coding and the opportunities it offers for pharmacy graduates.

Overview of Medical Coding

Ms. Ramneet Kaur began her session by explaining the fundamentals of medical coding. She defined medical coding as the transformation of healthcare diagnoses, procedures, medical services, and equipment into universal medical alphanumeric codes. These codes are essential for billing purposes, research, and maintaining accurate health records.

She explained the importance of standardized coding systems like the **ICD (International Classification of Diseases)**, **CPT (Current Procedural Terminology)**, and **HCPCS (Healthcare Common Procedure Coding System)**. These systems are critical in ensuring

healthcare providers are properly reimbursed for their services and in maintaining the accuracy of patient records.

Relevance of Medical Coding for Pharmacy Graduates

Ms. Kaur emphasized that medical coding is a natural extension of the skills gained during a B. Pharm program. With a strong foundation in medical terminology, pharmacology, and healthcare systems, pharmacy graduates are well-positioned to excel in the field. She highlighted the following points that connect pharmacy education with medical coding:

- **Understanding of drug interactions and therapy management:** Pharmacy graduates can leverage their knowledge of drugs and therapies when coding for prescriptions and treatments.
- **Insight into healthcare regulations:** Pharmacy students are familiar with healthcare laws and regulatory practices, which is crucial for ensuring compliance in coding.
- **Accuracy and detail-oriented mindset:** Pharmacy education trains students to be meticulous, which is essential in coding for ensuring precise data entry and minimizing errors.

The Role of a Medical Coder

Ramneet described the responsibilities of a medical coder, which include reviewing patient medical records, assigning appropriate codes, and ensuring compliance with legal and regulatory standards. She also touched upon the collaborative nature of the profession, where medical

coders work alongside healthcare providers, insurance companies, and other stakeholders in the healthcare system.

Career Opportunities in Medical Coding

Ms. Kaur elaborated on the growing demand for medical coders, driven by the increasing digitization of healthcare records and the rise in healthcare services worldwide. She highlighted the following career prospects:

- **Medical Coder:** Entry-level role involving coding of medical records and billing.
- **Compliance Auditor:** Ensuring that medical records and coding practices meet legal and regulatory standards.
- **Medical Coding Trainer:** Educating and training new coders in the field.
- **Health Information Manager:** Managing the health information systems and data in healthcare organizations.

She encouraged students to pursue certifications in medical coding, such as the **Certified Professional Coder (CPC)** and **Certified Coding Specialist (CCS)**, to enhance their employability and professional growth.

Skills Required for Medical Coding

To help students prepare for a career in medical coding, Ms. Kaur outlined the essential skills required for success in the field:

1. **Attention to Detail:** Coders must ensure accuracy in coding to avoid errors that can lead to claim denials or compliance issues.
2. **Strong Analytical Skills:** The ability to analyze medical records and understand the underlying healthcare services is critical.

3. **Familiarity with Medical Terminology:** A deep understanding of medical terms, anatomy, and disease processes is essential for accurate coding.
4. **Computer Literacy:** Proficiency in using medical coding software and electronic health records (EHR) systems.
5. **Communication Skills:** Coders often need to communicate with healthcare providers to clarify documentation and ensure accurate coding.

Certification Pathways

Ms. Kaur stressed the importance of obtaining certification from recognized bodies such as the **American Academy of Professional Coders (AAPC)** or **American Health Information Management Association (AHIMA)**. She explained the steps to prepare for certification exams, the subjects covered, and the benefits of becoming certified, which include better job prospects, higher earning potential, and opportunities for career advancement.

Challenges and Rewards

Ms. Kaur did not shy away from discussing the challenges associated with the profession, such as staying updated with frequent changes in coding standards and dealing with complex medical cases. However, she also highlighted the rewarding aspects of the profession, including the flexibility of remote work, high demand for certified professionals, and the satisfaction of contributing to the healthcare industry.

Conclusion

In her concluding remarks, Ms. Kaur encouraged the students to consider medical coding as a viable and rewarding career option, especially for those interested in healthcare but looking for alternative paths beyond traditional pharmacy roles. She also shared resources,

such as online courses and textbooks, to help students further explore the field.

The session ended with an interactive Q&A segment, where students posed various questions about certification exams, job prospects, and the day-to-day responsibilities of a medical coder. Ms. Kaur's responses were candid and informative, leaving students with a clear understanding of the profession and how to pursue it.

Feedback and Impact

The alumni session was well-received by the attendees, who appreciated the insights provided by Ms. Kaur. Many students expressed interest in exploring medical coding as a career option, and the session helped broaden their perspective on the diverse opportunities available to pharmacy graduates.

The event was a valuable learning experience, reinforcing the importance of staying open to non-traditional career paths in the healthcare industry. It also highlighted the role of alumni in guiding and mentoring current students as they prepare for their professional journeys.





Date: 29th July 2024

Organized for: B. Pharm Students

Speaker: Komal Chaudhary, Alumni

Topic: Regulatory Guidelines Updates in Pharmaceutical Product Development as a Profession

Introduction

On the 29th of July 2024, the Department of Pharmacy hosted an insightful alumni session featuring Komal Chaudhary, an esteemed graduate of the institution and a seasoned professional in the pharmaceutical industry. Komal's session focused on providing B.Pharm students with valuable updates on regulatory guidelines in pharmaceutical product development. This session not only updated students on the latest trends and guidelines in the industry but also

offered a window into the career prospects in regulatory affairs and compliance within the pharmaceutical sector.

Speaker Profile

Komal Chaudhary, an alumna of the institution, has garnered significant experience in the pharmaceutical industry, particularly in the domain of regulatory affairs and compliance. Her vast knowledge and hands-on experience with both domestic and international regulatory authorities such as the FDA (Food and Drug Administration), EMA (European Medicines Agency), and CDSCO (Central Drugs Standard Control Organization) made her the perfect candidate to guide and educate aspiring pharmacy professionals.

Key Highlights of the Session

1. Overview of Pharmaceutical Product Development

Komal began by giving students an overview of the entire pharmaceutical product development process, emphasizing the importance of regulatory guidelines from the discovery phase to the market launch. She discussed how each step, from drug discovery, preclinical trials, clinical development, and commercialization, is meticulously regulated to ensure the safety and efficacy of pharmaceutical products.

2. Regulatory Guidelines: A Dynamic Landscape

Komal highlighted that regulatory guidelines in the pharmaceutical industry are constantly evolving due to technological advancements, global harmonization efforts, and emerging health

threats (such as pandemics). She noted that keeping abreast of these updates is crucial for professionals in the field.

Key agencies that oversee regulatory guidelines were discussed, including:

- **FDA (U.S.)**
- **EMA (Europe)**
- **CDSCO (India)**
- **ICH (International Council for Harmonisation of Technical Requirements for Pharmaceuticals for Human Use)**

3. Critical Regulatory Updates in Pharmaceutical Development

Komal shared several significant updates in regulatory frameworks, focusing on the following areas:

- **Good Manufacturing Practices (GMP):** Recent changes in GMP guidelines aimed at enhancing product quality and patient safety.
- **Clinical Trial Regulations:** She discussed the updated regulations for conducting clinical trials, particularly how adaptive trial designs and real-world data are gaining acceptance in regulatory decision-making.
- **Accelerated Approval Pathways:** Regulatory bodies, especially the FDA, are increasingly providing accelerated approval pathways for drugs targeting unmet medical needs. Komal explained how this process works and its implications for both industry professionals and patients.

- **Pharmaceutical Quality Systems (PQS):** Updates in PQS requirements to ensure continuous improvement in manufacturing processes were also discussed.
- **Digitalization of Regulatory Submissions:** She emphasized the growing importance of electronic submissions, particularly through platforms like eCTD (electronic Common Technical Document), which has now become mandatory for submissions to regulatory bodies.

4. Challenges in Regulatory Affairs

Komal addressed some of the challenges professionals face when working in regulatory affairs. She mentioned that the dynamic nature of regulatory guidelines and the global differences in regulations make it essential for professionals to remain flexible and continuously update their knowledge.

She highlighted specific challenges such as:

- Navigating differing guidelines between international agencies like the FDA, EMA, and CDSCO.
- Managing regulatory submissions in multiple regions, each with its own set of requirements.
- Adapting to new technology-driven regulatory frameworks, including the integration of AI in regulatory decision-making processes.

5. Career Opportunities in Regulatory Affairs

The session also provided valuable career insights for the attending students. Komal explained how regulatory affairs have emerged as a critical career option in the pharmaceutical industry.

She encouraged students to consider this field, especially given its vital role in ensuring compliance, safety, and efficacy of pharmaceutical products.

She also outlined the various roles and responsibilities that professionals in this field may encounter, such as:

- Regulatory submission specialists
- Compliance officers
- Drug safety experts
- Regulatory liaisons for clinical trials
- Global regulatory affairs managers

Komal stressed the need for professionals who are detail-oriented, have excellent communication skills, and are proficient in



understanding complex scientific data to bridge the gap between the industry and regulatory bodies.

6. Advice for Aspiring Regulatory Professionals

In closing, Komal shared some practical advice for students interested in pursuing a career in regulatory affairs:

- **Stay Informed:** She emphasized the importance of keeping up-to-date with the latest regulatory changes through journals, webinars, and conferences.
- **Networking:** Komal advised students to build connections within the industry to enhance their professional opportunities.
- **Continuous Learning:** Regulatory guidelines are constantly evolving, and professionals need to be lifelong learners. Komal encouraged students to pursue certifications or advanced courses in regulatory affairs to stay competitive in the job market.

Student Engagement

Throughout the session, Komal encouraged student participation, engaging with their questions and providing personalized advice. Many students were curious about the specific pathways to entering the regulatory field, as well as the qualifications needed. Komal answered these questions candidly, offering insights into various certifications and postgraduate programs that would enhance their qualifications.

She also gave practical examples from her own experience, discussing case studies where regulatory challenges were

successfully managed and how she navigated complex regulatory environments in her career.

Conclusion

The alumni session with Komal Chaudhary was an invaluable experience for the B.Pharm students, providing them with not only an understanding of current regulatory guidelines but also a clear path forward for those interested in pursuing careers in regulatory affairs. Komal's professional journey served as an inspiration for students to explore the dynamic and impactful field of regulatory compliance in pharmaceutical product development.

The session concluded with a vote of thanks to Komal for her time, expertise, and continued connection with her alma mater, with hopes of further interactions and guidance from her in the future.

Teachers Day 2024

Event Name: Teachers Day Celebration 2024

Date: 5 September 2024

Teacher Co-ordinator: Dr. Kavita Munjal & Dr. Smriti Sharma
Student Co-ordinator: Divyanshu, Pearl, Jahnvi & Sonu



The Teachers' Day celebration was a resounding success, filled with heartfelt tributes, vibrant performances, and engaging activities. The event began with a warm welcome from Jahnvi and Sakshi, who performed an aarti and tilak to honor the teachers. The hosts, Pearl and Sonu, delivered a welcoming speech followed by opening remarks by DR. H. R. Chitme (HOI) addressed the gathering with inspiring words.





The cultural performances were a highlight of the event. Kanchi's graceful Guru Vandana set the tone, followed by Keshav's melodious singing performance. The game session, hosted by Radha and Sanjoll, added a fun and interactive element to the festivities. The hosting duties were later taken over by Lovenya and Anika.



The students showcased their talents through various performances. The third-year students from Section A and Section B presented captivating dance and singing performances. Divyanshu's soulful singing and the energetic dance performance by the third-year students from Section B were particularly impressive.

This was followed by the cake cutting ceremony.

The event concluded with a vote of thanks delivered by the hosts, Pearl and Sonu. Dr. Tanveer Naved and Dr. Saurabh Mittal added a touch of humor with their shayari. A group photo session captured the joyous memories of the day, followed by refreshments and informal interactions.

Overall, the Teachers' Day celebration was a memorable occasion that celebrated the invaluable contributions of the teachers and fostered a sense of camaraderie among the faculty and students



Students Achievements 2024

Mr. Pratham Vats, got selected for Higher Studies at Conestoga College Institute of Technology and Advanced Learning.



Mr. Nishant Kumar Gaur, PhD Scholar (Pharmaceutical Sciences)

Mr. Nishant Kumar Gaur, a PhD scholar at the Amity Institute of Pharmacy, Amity University Uttar Pradesh (Noida), secured 2nd position in the prestigious National Seminar on Clinical Research Awareness 2024 event held at Sharda University.

He presented a poster titled "Development and Validation of a Highly Sensitive Method for the Quantification of Azole Drugs" under the expert supervision of Dr. Kalpana Nagpal and Prof. Nayyar Parvez. His research was recognized for its significant contribution to advancing analytical

methodologies for drug quantification, a critical area in clinical research.





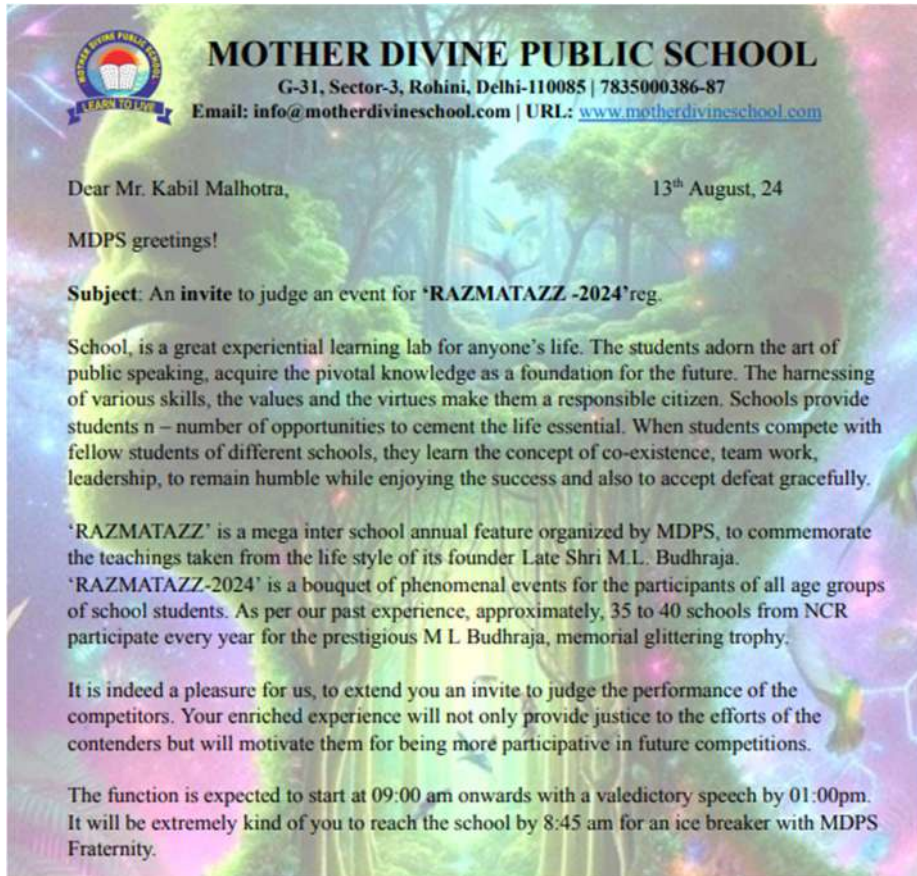
Mr. Kabil Malhotra, a M Pharm (Pharmaceutics) student at the Amity Institute of Pharmacy, Amity University Uttar Pradesh (Noida), secured the 1st position in the prestigious 27th Convention of Indian Society of Pharmacognosy and International Conference held at Jamia Hamdard on 4th-5th October 2024. He presented a poster titled Computational Study to evaluate the interactions of polyphenol phytopharmaceutical for its brain targeting under the supervision of Dr. Kalpana Nagpal. His research was recognized for its significant contribution to Pharmaceutical Sciences and bagged the FIRST BEST POSTER AWARD.





Mr. Kabil Malhotra was invited to judge the Technovation (Snapback) event during Razzmatazz 2024-25 at Mother Divine Public School, Rohini on 23 August, 2024.

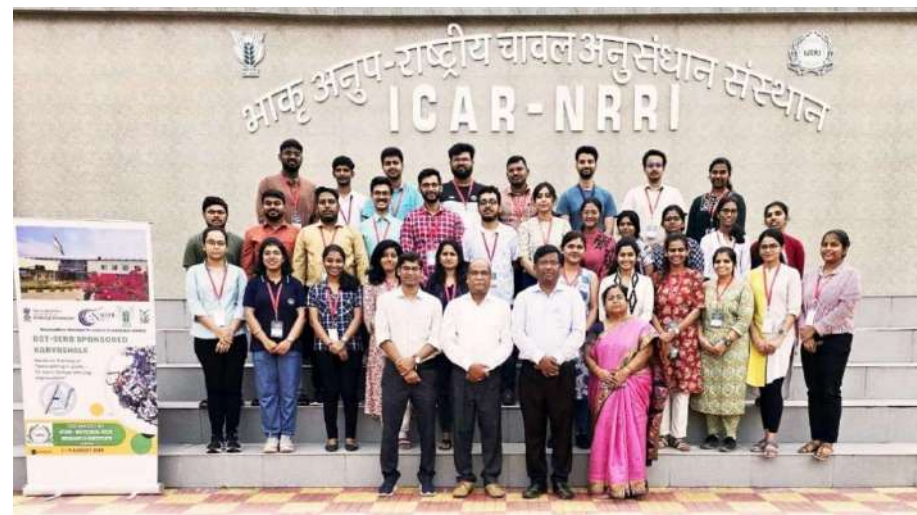




Mr. Kabil Malhotra attended the Global Bio-India Conference at Pragati Maidan from 12th to 14th September 2024, representing Amity University Noida as the President of the I&E Cell, AIP.

Mr. Kabil Malhotra got selected and participated in the DST-SERB sponsored Hands-on Training on Gene Editing in Plants, from 1-9th Aug 2024 at NRRI, Cuttack, India.





Mr. Kabil Malhotra also participated in the Nano Jatha Lecture series, Roadshow and Exhibition, held at Miranda House, University of Delhi, on 5th July 2024.

Appointed as the President of the I&E Cell, AIP, Amity University.

Neuroscience & Neuropharmacology Club 2024”

Amity Institute of Pharmacy (AIP) and Amity Institute of Neuropsychology & Neurosciences (AINN) Amity University, Noida, organized Neuroscience and Neuropharmacology by faculty Coordinator Dr. Rachna Mehta, AINN, Dr. Priyanka Saroj, AIP, Dr. Prakash Haloi, AIP under the supervision of Prof BN Mallick, AINN (Chair) and Dr. Havagiray R. Chitme, AIP (Co-chair) with the help of Student Ms Harshpreet Kaur, AINN President, Mr. Sarthak Dahiya, AIP, Student Vice president, Mr. Divyanshu Srivastava, AIP, Student treasurer, Ms Priyanshi Tiwari, AINN, Student member secretary on August 29 at J block Seminar hall. The aim of club is to provide a forum for the exchange of ideas, and discussions on various research topics, encouraging diverse perspectives. This will also be a platform for senior researchers and faculty to mentor junior researchers and students, offering guidance for developing innovative ideas and conducting research. The objective of the club was to enhance students' abilities to critically think, evaluate and discuss recent advances in broad area of neurosciences, beyond the textbook content. The theme of this club was Neuron deception challenge with thought provoking questions, myths and facts in neuroscience. This would induce curiosity and inquisitiveness in students about simple to complex observations. The students enthusiastically participated in various creative and poster activities.

A glimpse of the Program:





Name	Academic Year	Achievement
Deepanshu Chaudhary	2 nd Yr B Pharm	2nd prize in the research group presentation



Surbhi Arora	2 nd Yr B Pharm	First prize in oral presentation in InsightX event by Research and Writing Cell of Amity Institute of Pharmacy held on September 19, 2024
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Yashwardhan Singh Panwar	2 nd Yr B Pharm
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InsightX, 19th September 2024,
Second position

Ashmit Manak	2 nd Yr B Pharm
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InsightX competition, 19th
September 2024, 2nd position



SARTHAK DAHIYA

2nd Yr M Pharm

Awarded the First Prize for oral presentation at the One-day National Conference on Emerging Trends in Biological Sciences. This event was organized by the Department of Biotechnology at SRM Institute of Science and Technology, Ramapuram.



Mani Singh

2nd Yr M Pharm

DST-SERB sponsored 4th International Conference on "Innovations in Chemical, Biological, and Pharmaceutical Sciences". Best paper presentation award (First Prize)



Dhruv Sharma

2nd Yr B Pharm

Accomplishment the Startup India Learning program organized by Upgrad



Kabil Malhotra

2nd Yr M Pharm

Got selected and participated in the DST-SERB sponsored Hands-on Training on Gene Editing in Plants, from 1-9th Aug 2024 at NRRI, Cuttack, India. Appointment as the President of the I&E Cell, AIP, Amity University Noida UP.



Abhishek Sharma

2nd Yr B Pharm

1st runner up Idea tank I&E Cell (22nd august)



Mohini Diwan

1st Yr M Pharm

Secured 3rd position in debate competition organised by Rx health club on 17/9/24 as a part of National pharmacovigilance week



Sayra Taneja

1st Yr B Pharm

Time to Shine- MONOLOGUE COMPETITION, 3-5th September, 1st Position.



R Abitha

1st Yr M Pharm

Ms Freshers

Varsha

2nd Yr M Pharm

4th national pharmacovigilance week, India pharmacopoeia commission, got 1st position in pharmacovigilance quiz competition at 23-September-2024



Publications by the Students:

B. Pharm Students:

Dr. Kalpana Nagpal Chaswal, "Chauhan S.; Nagpal K. Latest Delivery Advancements of Lipid Nanoparticles for Cancer Treatment-2024, Assay and Drug Development Technologies, 22, 6, 340-360.

<https://www.liebertpub.com/doi/abs/10.1089/ad.2024.019>" Mary Ann Liebert, Inc., publishers. September 2024 publication by Somia Chauhan (B.Pharm NTCC Project)

27th NCIC-SOP 2024 Conference at Jamia Hamdard University, New Delhi

1st Sem: Oral presentation

Gayatri Singh: Claims vs Reality: Regulatory oversight of Natural and Organic botanical labels in cosmetics

Abhisar Sahu: Nutravigilance in the age of digital health

Arindam De: Navigating International regulatory barriers: Comparative insights on the adoption of In-silico trials for medical devices

Krishnajit Malakar: The role of nutraceuticals in pregnant women and lactating mother well-beingness, A regulatory aspects

3. 3rd sem: Internships and Conferences

Manan Grover:

1. Panacea Biotec Pvt Ltd. (3rd June-6th July)

Conference:

1. "National Conference on Healthcare Revolution: Entrepreneurial Innovations in Patient Care NCHR- 2024" Organized by IIMT College of Pharmacy, Greater Noida on 27/07/2024.

2. "Advancing Analytical Techniques and Applications of HPTLC-MS" organized by Galgotias College of Pharmacy, Greater Noida, India on 13th September 2024

Shubhangini Chauhan

Conference at Jamia Hamdard University,

Topic for presentation: Regulatory Aspects of Nutraceuticals covering major markets including India , USA , EU , Australia and Japan

Internship details :

- Institute/company name: INMAS , Drdo , New Delhi

- Duration: 2 months(from May 2024 to July 2024).

Afifa Akram

Internship- IIT Delhi, Duration- 15 May to 1 July

Conference-

1. Akram A*, Sharma P, Shukla V, " Regulatory Challenges and Strategies for Assessing Off-Target Effects in CRISPR-Based Gene Therapies" in the "12" World Conference on Pharmaceutical Science and Drug Manufacturing, APR in association with Sri Adichunchanagiri College of Pharmacy, Adichunchanagiri University, Karnataka, 19-20 September 2024, ISBN: 978-93-92106-89-7

2. Gaur R, Akram A, Shukla V, "Transition from Medical Device Directive (MDD) to Medical Device Regulations (MDR): Comparative Regulatory Adaptations in the EU, USA, India, and Australia Introduction" in the "12" World Conference on Pharmaceutical Science and Drug Manufacturing, APR in association with Sri Adichunchanagiri College of Pharmacy, Adichunchanagiri University, Karnataka, 19-20 September 2024, ISBN: 978-93-92106-89-7

Mansi Sharma:

INMAS-DRDO (May- July)

Conference:

1. "National Conference on Healthcare Revolution: Entrepreneurial Innovations in Patient Care NCHR- 2024" Organized by IIMT College of Pharmacy, Greater Noida on 27/07/2024.

2. "Advancing Analytical Techniques and Applications of HPTLC-MS" organized by Galgotias College of Pharmacy, Greater Noida, India on 13th September 2024

Chahat Tyagi

Workshop - has participated in the workshop on advancing analytical techniques and application of HPTLC- MS organized by galgotias college of Pharmacy greater Noida , 14 September.



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