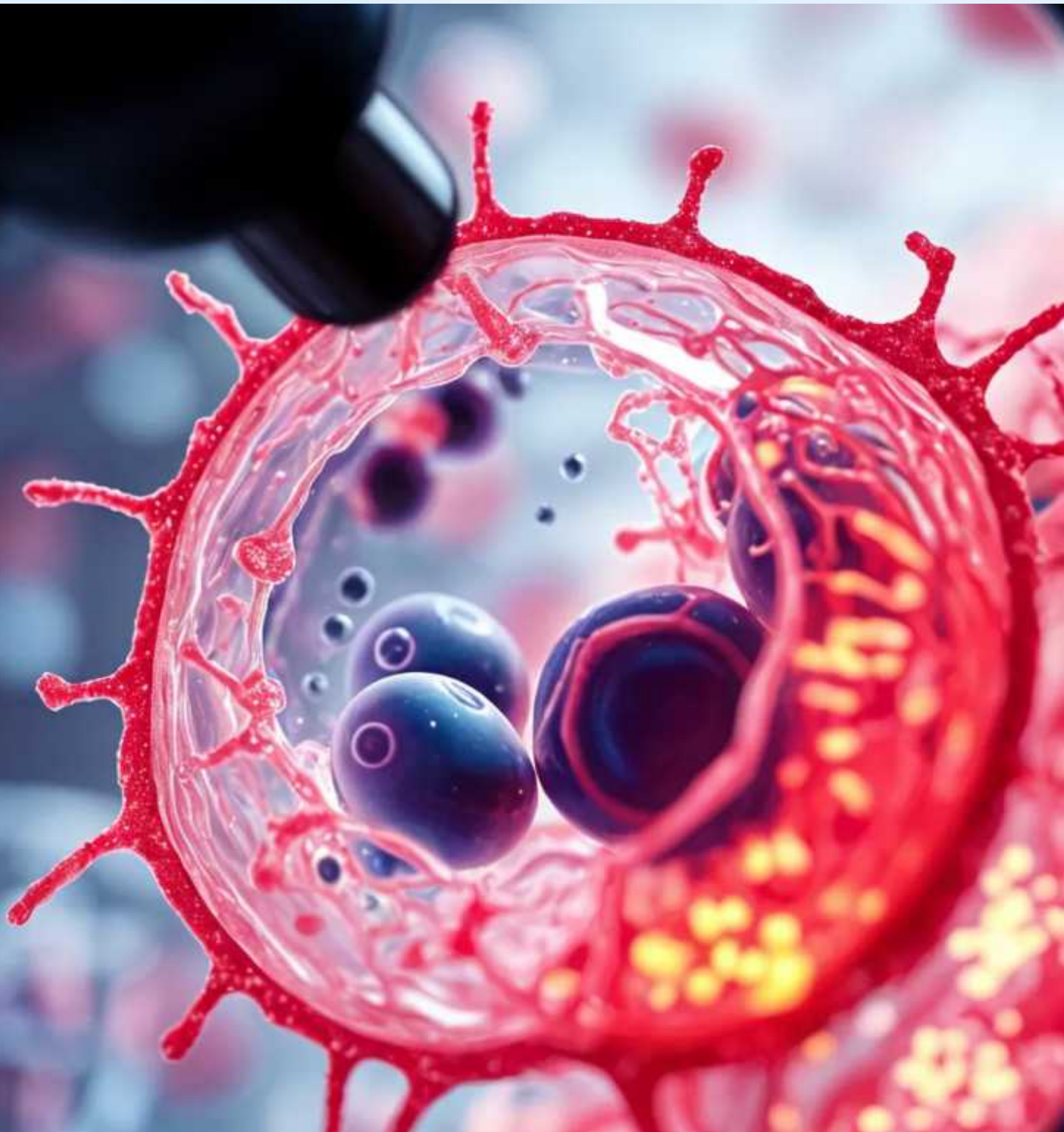


THE RECAP

Official Newsletter of NIPER-Ahmedabad

Department of Pharmaceuticals, Ministry of Chemicals & Fertilizers, Government of India



यत् भावो - तत् भवति।

You become what you believe

"Achievements are the result of
thoughtful planning & persistent hard work"

- Prof. Shailendra Saraf, Director, NIPER-Ahmedabad

THE RECAP

Official Newsletter of NIPER-Ahmedabad

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Director, NIPER-Ahmedabad

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Newsletter Featured Readings...

New
Campus

Foundation
Stone, CoE

Technology
Transfer

ETID-2024

Pfizer
INDovation

Compendium
Release

Granted
Patents

AURA-2K24



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AHMEDABAD

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Director's Message

Warm greetings from NIPER-Ahmedabad!

Inspiring stories of success around us motivate us to strive for excellence. NIPER-Ahmedabad has been proud to witness many achievers who have brought accolades and set benchmarks for others.

I am delighted to share the institute's accomplishments through the inaugural issue of **"THE RECAP"** Our Official Biannual Newsletter.

This edition highlights our key milestones, including the establishment of the Centre of Excellence in Medical Devices, our transition to a permanent campus, technology transfers, Innovations, conferences, skill development programs, recreational gathering, and more.

We at NIPER-Ahmedabad are continuously striving on the *Mantra* - **Connect, Collaborate & Cooperate.**

I extend an invitation to you all to visit us at NIPER-Ahmedabad at your convenience.

Best regards,

Prof. Shailendra Saraf

Director, NIPER-Ahmedabad





Shifting to New Campus Facility

There is no place like your own house that gives you peace, satisfaction and contentment. The year 2024 marked the complete shifting of academic, research, and administration departments to the new permanent campus of NIPER-Ahmedabad. Now, the institute is gearing up to shift to its upcoming animal house with large animal and transgenic facility.



OLD MEMORIES BOXES



NEW LAB

NEW OFFICES

NEW BEGINNINGS

CHANGE TO ADDRESS

Foundation stone "Centre of Excellence in Medical Devices"



P Prime Minister Narendra Modi laid the foundation stone for the Centre of Excellence (CoE) in Medical Devices at NIPER-Ahmedabad on the auspicious occasion of Dhanvantari Jayanti and 9th Ayurveda Day, on 29th October, 2024. Cabinet Minister **Shri J P Nadda Ji** and **Shri Mansukh Mandviya Ji** highlighted the establishment of the Centre of Excellence in Medical Devices at the esteemed premises of NIPER-Ahmedabad for doing cutting-edge research and product development.

Technology Transfer by NIPER-Ahmedabad



Dr. Rakesh Tekade, Associate Professor at NIPER-Ahmedabad completed the **first technology transfer** of a pioneering antibacterial technology developed by his lab to Bennet Pharmaceuticals Limited, a leading manufacturing company specializing in high-quality pharmaceuticals on 29th August 2024. Bennet Pharmaceuticals Limited will now explore the commercial manufacturing aspects of the invention. The technology refers to an external preparation used to prevent wound infections and promote their healing by killing and preventing the growth of infectious microorganisms. This advancement is also crucial in assisting the treatment of resistant infectious wounds. Prof. Shailendra Saraf, Director of NIPER-Ahmedabad, congratulated the entire team and mentioned this as a **landmark breakthrough step** in giving impetus to the tech transfer of other technologies that are under the pipeline to support Make-in-India and Healthy India initiatives of the Government of India.

ETID-2024 National Conference

NIPER-Ahmedabad organized national conference "Emerging Trends in Implants & Diagnostics-2024" (ETID-2024) 1st-2nd February, 2024. The **thematic areas** of this conference were implant design, implant fabrication and testing, tissue engineering, biomaterials design and development, polymer modification theranostics, regenerative medicine, bio and Nano-material, biosensors, NEMS/MEMS, wearable sensors, non-invasive techniques, and lab-on-a-chip devices. The aim of ETID-2024 conference provided a valuable platform for researchers, scientists, engineers, and medical practitioners to share their latest advancements. A total of 230 participants from various academic institutions, research organizations, and industries across India attended the event.



Industry-Academia Day: Connect and Collaborate Meet

NIPER-Ahmedabad team in collaboration with IDMA-GSB hosted the Industry-Academia Day-2024 cum technology fair on 21st September, 2024. The event was inaugurated by **Chief Guest Dr. Ketan Patel** (Troikaa Pharmaceuticals Ltd.) and **Guests of Honor Dr. Shrenik Shah** (IDMA-GSB) and **Dr. Hemant Koshia** (FDCA-Gujarat), saw participation from 43 industries, faculty members, and more than 90 Ph.D. scholars. Under the leadership of **Prof. Shailendra Saraf**, the event emphasized bridging academia-industry gaps with the theme **"Connect and Collaborate"** showcasing technologies, fostering feedback, and building collaborative opportunities.





EMERGING COLLABORATIONS

Collaborative Roundtable with ITRA



Collaborative Roundtable with ITRA, Jamnagar: Bridging Ayurveda and Modern Science – A Joint Initiative by NIPER-Ahmedabad and ITRA, Jamnagar was held on 22nd-23rd January, 2024, fostering discussions between the faculties of the Department of Natural Products at NIPER-Ahmedabad and the Institute of Teaching and Research in Ayurveda (ITRA), Jamnagar. Led by Prof. Shailendra Saraf, Director of NIPER-A, and Prof. Anup Thakar, Director of ITRA, these meetings sparked lively discussions and aimed to explore potential collaborations between the two organizations to converge Ayurveda with modern science.

Pfizer INDovation NIPER-Ahmedabad



Launch meeting of the Pfizer INDovation NIPER-Ahmedabad Edition was held at the Department of Pharmaceuticals (DoP) office in the presence of Dr. Arunish Chawla, Secretary DoP along with Director NIPER-Ahmedabad Dr. Shailendra Saraf, Ms. Meenakshi Nevatia, Managing Director Pfizer Pvt. Ltd.

MoU signed with SVNIT, Surat



NIPER Ahmedabad and Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat entered into a Memorandum of Understanding (MoU) for collaboration in academic and research activities. Director SVNIT, Prof. (Dr.) Anupam Shukla visited the NIPER-A campus and expressed that the faculty and students of both institutes will be mutually benefited from this initiative.

MoU with Central University of Sagar



NIPER-Ahmedabad and Central University of Sagar entered into a MoU to enhance R&D collaborations and exchange of research personnel. Director, Prof. Shailendra Saraf, NIPER-Ahmedabad and Vice Chancellor Prof. Neelima Gupta, DHGVS-Sagar University signed the MoU. Other Faculty member/head/Dean Prof. Umesh K. Patil, Dr. Akshay Srivastava were present as witnesses. This MoU will strengthen the R&D innovation in the field of pharmaceutical science

MoU signed with Zydus

On 25th January, 2024, NIPER-A signs a Memorandum of Understanding (MoU) with Zydus for future collaboration and establishing joint research centers to foster translational research. Prof. Shailendra Saraf, Director of NIPER-A, and Dr. Mukul Jain, President of Zydus, signed the MoU during the ceremony held at NIPER-A.





ACADEMIC AND PROFESSIONAL ACTIVITIES

10th Convocation



The National Institute of Pharmaceutical Education and Research (NIPER)-Ahmedabad witnessed its 10th convocation on Tuesday, 27th February, 2024. During this ceremony, 127 M.S. (Pharm.) students, 24 Pharma MBA students, and 10 PhD students from the 2021-23 batch were conferred with their degrees. Shri Pankaj Patel, Chairman, Zydus Lifesciences, as the Chief Guest and Prof. Anupam Shukla, Director, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, as Guest of Eminence, Members of the Board of Governors and the Senate as Guests of Honor. Prof. Shailendra Saraf, Director of NIPER-A, faculty members, staff, and alumni also attended the ceremony.

Visit of Secretary, DoP



On 10th January 2024, the Secretary Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Government of India, Dr. Arunish Chawla visited NIPER-A, its Laboratories & various equipment facilities.

APA 2024: An International Conference



On 22nd September, 2024, The Boston Society and NIPER-A Ahmedabad organized a pre-conference workshop focused on three short courses covering Chemistry, Manufacturing and Control (CMC)-Risk Assessment of NDSRIs, Role of Modelling and Simulation in Discovery & Development and, Regulated Bioanalysis: Current perspective to Bioanalytical method optimization with Emerging Challenges like ICH M10 BMV guideline interpretation and Nitrosamines Infringement. The workshop brought together enthusiastic and distinguished participants from India and abroad, fostering collaboration and knowledge exchange. The event was a resounding success, providing valuable insights and practical knowledge to all attendees.

Student visit "Jawahar Navodaya Vidyalaya"

Students of Jawahar Navodaya Vidyalaya, Surendranagar, visited the institute and interacted with the scientists, PhD scholars, and faculty members. The



enthusiasm and curiosity of these students were truly inspiring! Let's continue to empower and motivate more young minds on their journey of exploration and discovery.

NABL Accreditation Awareness Session



On 28th May 2024, NIPER-Ahmedabad, in collaboration with the National Accreditation Board for Testing and Calibration Laboratories (NABL), successfully organized an Awareness Programme on NABL Accreditation and its Benefits. The event, witnessed enthusiastic participation by 120 attendees, including second-year M.S. students, Ph.D. candidates, Central Instrumentation Facility (CIF) members, and faculty members. The program highlighted the importance and advantages of NABL accreditation, providing valuable insights into the accreditation process and its impact on quality assurance and standardization. Each participant received an e-certificate for their participation in this enlightening and informative session.

Workshop on DoE & QbD



Department of Pharmaceutics, NIPER-Ahmedabad organized a one-day workshop on "Towards Mastering Design of Experiment (DoE) & Quality by Design (QbD)" on 3rd September 2024 at NIPER-Ahmedabad. The workshop received an overwhelming response as more than 80 participants from academia as well as industries attended the training.



Hands-on Training Program "Unveiling Protein Biology: Wet & Dry Lab Approach"

NIPER-Ahmedabad and Gujarat Biotechnology Research Centre jointly organized an 11-day workshop (11th-22nd March, 2024). At NIPER-Ahmedabad, 15 participants (faculty, scientists, and PhD scholars) from across the country received training on computational tools and techniques (e.g., docking, MD simulations, Gromacs, etc.) from the expert members.

Hands-on training in Flow Cytometry and Confocal Microscopy.



NIPER-Ahmedabad has successfully organized hands-on training program in Flow Cytometry (FACS) and Confocal Microscopy on 10th-11th July, 2024. The event was facilitated by esteemed speakers, Dr. Manoj Kumar Manna and Dr. Rajesh Saha, as well as our dedicated organizers and enthusiastic attendees, for their invaluable contributions to the event's success. The collaborative spirit and the exchange of knowledge were truly inspiring. Participants gained comprehensive knowledge and practical experience in FACS and Confocal Microscopy, enhancing their expertise in these critical areas of biomedical research.

Hands-on Training Program on "Recent and Future Trends of Bioinformatics in Biomedical Research"



NIPER-Ahmedabad has successfully organized an incredible workshop on a hands-on training program on "Recent and future trends of bioinformatics in Biomedical Research" on 15th-16th July, 2024. A huge thank you to our expert speakers, Dr. Sarika Sahu, Dr. Sunil Kumar, Dr. Ishan Raval, and Dr. Santosh Bahera dedicated organizers, and enthusiastic attendees for making this event a success. The collaborative spirit and exchange of knowledge were truly inspiring. All participants gained comprehensive knowledge of Molecular docking, virtual screening, homology modeling, and diverse bioinformatics techniques and their application in biomedical research. NIPER-Ahmedabad is looking forward to seeing the amazing advancements and innovations that will emerge from this experience.

Release of NIPER-Ahmedabad Compendiums by Dr. Arunish Chawla



Dr. Arunish Chawla, Secretary, Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, released the compendiums of NIPER-Ahmedabad. The Compendiums of **IPR**, Compendium of **Technology**, Compendium of **Publication**, and Compendium of Industrial **Projects** were released on 10th August 2024. The development of these compendiums was envisioned by NIPER-Ahmedabad to offer a ready reference to the industry-ready technologies developed by the institute.

Hands-On Scalpel “Workshop on Practical Approaches to Preclinical Surgical Models for CNS/PNS”

NIPER-A is organized a Workshop, "Hands-On Scalpel: Workshop on Practical Approaches to Preclinical Surgical Models for CNS/PNS" on 14th-15th March, 2024. This workshop provided participants with hands-on experience in mastering essential surgical techniques applicable to preclinical models of Demyelination, Stroke, and Neuropathic pain.

Seminar on “Engineered Chimeric Nanomicelles Target the Tumor Micro-environment and Activate T Cell Immunity”

A seminar on the topic “Engineered Chimeric Nanomicelles Target the Tumor Microenvironment and Activate the T Cell Immunity” was organized on 18th March, 2024. Prof. Avinash Bajaj, from the Laboratory of Nanotechnology and Chemical Biology at the Regional Center for Biotechnology delivered an insightful talk on the topic. The seminar was highly appreciated and enjoyed by participants.



Workshop on Modern Tools and Techniques in Organic Synthesis

The Department of Medicinal Chemistry, NIPER-A conducted a comprehensive one-day workshop focused on "Modern Tools and Techniques in Organic Synthesis." on 26th July, 2024. All the faculties of the department Dr. Bichismita Sahu, Dr. Dinesh Kumar, and Dr. Amit Shard took practical and theory sessions in the workshop. This workshop was meticulously designed to offer participants hands-on experience in setting up and executing organic synthesis reactions, thereby equipping them with the practical skills and knowledge essential for advancing in the realm of chemical and pharmaceutical sciences.

Lecture by Prof. Sachin Handa (University of Missouri, Columbia, USA)

On 30th July, 2024, **Prof. Sachin Handa** (University of Missouri, Columbia, USA) visited NIPER-Ahmedabad and delivered a talk entitled 'Telescoping Catalysis and Understanding Sustainability'. His interactions with MS and PhD students were very insightful and motivating.



Hands-on training on "Peptide Characterization through LC-HRMS"



On 30th August, 2024, NIPER-A hosted a one-day hands-on training and expert lecture on "Peptide Characterization through LC-HRMS". The event, inaugurated by Hon. Director Prof. Shailendra Saraf, featured insightful lectures by NIPER-A Faculty: Dr. Ravi P Shah, Associate professor and HOD, Department of Pharmaceutical Analysis NIPER-A & Dr. Nitish Sharma, Assistant professor, Department of Pharmaceutical Analysis NIPER-A. With 16 participants from various pharmaceutical industries across India, the workshop provided a valuable platform to enhance knowledge and skills in HRMS analysis of peptide drugs. Participants gained practical experience in sample preparation, LC-HRMS instrument operation, data analysis, and interpretation of peptide spectra.



Hands-on Training and Expert Lecture on "Metabolomics for drug discovery"

NIPER-A successfully hosted a one-day hands-on training workshop and expert lecture on "Metabolomics for Drug Discovery" On 26th July, 2024. This event saw the participation of 16 attendees who were eager to enhance their knowledge and skills in metabolomics applications for drug discovery.



Webinar on "Analytical Strategies for Characterization of Proteins & Peptides"

During this event Dr. Ravishankara MN, Ph.D., Senior General Manager (Biologics & Peptides), Sun Pharmaceutical Industries Ltd., Dr. Dama Venugopala Rao, PhD, MBA Lead-Structural characterization and Analytical Expert (complex injectables) IPDO Dr Reddy's Laboratories Ltd. and Dr. Mirage Singh, PhD (Biochemistry), Senior Principal Scientist at Syngene International Limited, presented his research work during the webinar. These experts shared their valuable knowledge and experiences, making the webinar a valuable learning opportunity for all attendees.

Hands-on training on "Hot Melt Extrusion in Manufacturing of Implants/Inserts"



NIPER-Ahmedabad organized one-day hands-on training program on "Hot Melt Extrusion in Manufacturing of Implants/ Inserts" on 23rd July, 2024. Various participants from both academia as well as Industries participated in this workshop. In the workshop, a talk on hot melt extrusion in manufacturing of implant/insert was delivered by Dr. Derajram M. Benival. Following the talk, participants were given training on Hot Melt Extrusion-cum-stretching and cutting machine. Participants found the workshop very useful in planning and execution of their future research work/manufacturing activity related to implant/inserts.

Workshop on "Effective Utilization of ScienceDirect and Reaxys for Research and Academic Purposes"



The Library of NIPER-A organized a hands-on training workshop on "Effective Utilization of ScienceDirect and Reaxys for Research and Academic Purposes" on 26th September, 2024.

Workshop on "Particle Size and Zeta Potential Analysis & their Importance in Nano Size Evaluation"

NIPER-Ahmedabad conducted Hands-on Training Program on "Particle Size and Zeta Potential Analysis & their Importance in Nano Size Evaluation" on 29th November 2024. The training program was supported by LabIndia Instruments & Otsuka Electronic.



This program was specially designed for the researchers and analysts to upgrade their knowledge and expertise on Particle Size as well as Zeta Potential Analysis in Nano Size Evaluation. Experts from LabIndia Instruments and Otsuka Electronic joined the workshop to share their knowledge, experience, and views in this area. The workshop was conducted in two major sessions. The workshop was conducted in two major sessions: expert talks and hands-on training. Participants included representatives from industries (Apex Laboratories, Emcure Pharmaceuticals, Kashiv BioSciences, Sahajanand Medical Technologies) and academia (Parul University, Arihant School of Pharmacy & Bio-Research Institute, Sharda School of Pharmacy, Hemchandracharya North Gujarat University, NIPER-Ahmedabad).



Hands-on Training Program on "Unveiling Protein Biology: Wet & Dry Lab Approach"



Hands-on Training Program on "Unveiling Protein Biology: Wet & Dry Lab Approach". Jointly organized by Gujarat Biotechnology Research Centre and NIPER-Ahmedabad. Training Dates: 11th-22nd November, 2024.

Orientation Program 2024



NIPER-Ahmedabad's New Student Orientation Program, held on 27th August, 2024, introduced new students to academic requirements, community norms, resources, and support services. The program familiarized them with the institute's intellectual and social environment through various events, with additional details shared by the coordinators.



"Test Kit"

- 1 What is the chemical name of **Aspirin**?
- 2 Which pharmaceutical company developed the first commercially available **Insulin**?
- 3 What is the common name for the drug **Paracetamol**?
- 4 Which disease is commonly treated with **Statins**?
- 5 What is the active ingredient in most of the **Antacids**?



1. Acetylsalicylic acid
2. Eli Lilly and Company
3. Acetaminophen
4. High cholesterol
5. Calcium carbonate



STUDENT CORNER



Ms. Nupur Vasdev, PhD scholar under the mentorship of Dr. Rakesh Kumar Tekade have been awarded the Best Presentation Award for oral presentation on her PhD research topic "Cytosol targeted miRNA Dendronized Nanovesicular formulation for exercise-like effect to treat Obesity in Preclinical mouse Model" at 5th science conclave cum National Biomedical Research Competition-2024 (NBRCOM-2024) at AIIMS- Delhi jointly organised by AIIMS & SCMM-JNU under the aegis of SYBS India. This award was awarded by Prof. Rajiv Bahl, Director General, Indian Council of Medical Research (ICMR), New Delhi.



Ms. Tanisha Gupta, PhD scholar under the mentorship of Dr. Rakesh Kumar Tekade have been awarded the Best Presentation Award for Poster presentation on research topic "Plasmonic Laser responsive Biodissolve 3D-Printed Graphene@Cisplatin implant for prevention of post-surgical relapse of oral cancer" at 5th science conclave cum National Biomedical Research Competition-2024 (NBRCOM-2024) at AIIMS- Delhi jointly organised by AIIMS & SCMM-JNU under the aegis of SYBS India. This award was awarded by Prof. Rajiv Bahl, Director General, Indian Council of Medical Research (ICMR), New Delhi.



Ms. Dhvani Rana, a student at NIPER-Ahmedabad, has achieved second rank in the Shri B.V. Patel Essay Competition-2023 on the subject "Increasing role and importance of advanced technologies like artificial intelligence, blockchain technology, 3D Printing in drug and pharmaceutical industries" Dhvani Rana's remarkable efforts have earned her a Silver Medal and a cash prize of 21000/-.



Ms. Dimpal Suthar, Ritu Patel and Vanita Prajapati, students of the Department of Pharmaceutics under the guidance of Dr. Aakanchha Jain & Dr. Derajram Benival secured 2nd prize in the Poster presentation Competition held at Arihant School of Pharmacy on 26th April, 2024.

Ms. Medha Bhattacharya, PhD scholar was awarded the Best Research Presentation Award at the Industry-Academia Day: Connect and Collaborate Meet on 21st September, 2024. The title of her presentation was "Colon Cancer Mimicking Bioreactor Model for Screening of Antineoplastic Entities".

Ms. Bijoyani Ghosh, PhD scholar was awarded the Best Research Presentation Award at the Industry-Academia Day: Connect and Collaborate Meet on 21st September, 2024. The title of her presentation was "Sirtuin-1 regulates Aquaporin-4 expression to maintain Blood Brain Barrier integrity following Endovascular Stem Cell Therapy in Acute Ischemic Stroke".



Ms. Saumya Kapoor, PhD scholar was awarded the Best Research Presentation Award at the Industry-Academia Day: Connect and Collaborate Meet on 21st September, 2024. The title of her presentation was "Quinoxaline Derivatives Linked to Pyrimidines as Targeted Inhibitors of Oral Squamous Cell Carcinoma".

Ms. Dhvani Rana, PhD scholar was awarded the Best Research Presentation Award at the Industry-Academia Day: Connect and Collaborate Meet on 21st September, 2024. The title of her presentation was "Investigating a Novel Therapeutic Composition for Dry Eye Syndrome Management: In Vitro and In Vivo Studies".

Ms. Bagul Harshali, PhD scholar was awarded the Best Research Presentation Award at the Industry-Academia Day: Connect and Collaborate Meet on 21st September, 2024. The title of her presentation was "Hyaluronic acid based Injectable hydrogel for Spinal Cord Injury Repair".

Ms. Pillai Megha, PhD scholar was awarded the Best Research Presentation Award at the Industry-Academia Day: Connect and Collaborate Meet on 21st September, 2024. The title of her presentation was "Deformulation strategies using orthogonal analytical techniques to analyze excipient effects on in vitro drug release in RLD and generic formulations".

Ms. Shamana Rajesh Gondalia, PhD scholar was awarded the Best Research Presentation Award at the Industry-Academia Day: Connect and Collaborate Meet on 21st September, 2024. The title of her presentation was "Compatibility assessment of Swertiamarin with selected pharmaceutical excipients by spectroscopic and chromatographic techniques".



Mr. Gyanoday Tripathi, PhD scholar was awarded the Best poster Award at the Applied Pharmaceutical Analysis (APA)-2024, an international conference organized by The Boston Society and NIPER-Ahmedabad on 22nd September, 2024.

Mr. Nasir Khan, PhD scholar was awarded the Best Poster

Award at the Applied Pharmaceutical Analysis (APA)-2024, an international conference organized by The Boston Society and NIPER-Ahmedabad on 22nd September, 2024.

Mr. Shaik Karimullah, PhD scholar was awarded the Best Poster Award at the Applied Pharmaceutical Analysis (APA)-2024, an international conference organized by The Boston Society and NIPER-Ahmedabad on 22nd September, 2024.

Ms. Jyotsna Ghansham Vitore, PhD scholar was awarded the Best Poster Award at the Applied Pharmaceutical Analysis (APA)-2024, an international conference organized by The Boston Society and NIPER-Ahmedabad on September 22, 2024.

Ms. Bijoyani Ghosh, PhD scholar was awarded the Best Poster Award at the Applied Pharmaceutical Analysis (APA)-2024, an international conference organized by The Boston Society and NIPER-Ahmedabad on 22nd September, 2024.

Ms. Paritala Sree Teja, PhD scholar was awarded the Best Poster Award at the Applied Pharmaceutical Analysis (APA)-2024, an international conference organized by The Boston Society and NIPER-Ahmedabad on 22nd September, 2024.

Ms. Priya Kaushik [3rd Semester Student, Pharmaceutics-MS Pharm, Under the mentorship of Project Supervisor Dr Kalpna Garkhal], received 'Certificate of Excellence Award' for being the Runner-up of 'Destination Dr. Reddy's (M. Pharm Track) Organized by Dr. Reddy's Laboratories. September 2024.

Ms. Ramali Bhagwat [3rd Semester Student, Pharmaceutics-MS Pharm, Under the mentorship of Project Supervisor Dr Kalpna Garkhal], received 'Certificate of Excellence Award' for being the Runner-up of 'Destination Dr. Reddy's (M. Pharm Track) Organized by Dr. Reddy's Laboratories. September 2024.



- 1 I'm often bitter, sometimes sweet, a cure for many an ailment. What am I?
- 2 I'm a colorful capsule, a liquid vial, or a powdery pile. What am I?
- 3 I'm a silent helper, a watchful eye, always there to advise. What am I?
- 4 I'm a tiny molecule, a mighty force, I fight disease, of course. What am I?
- 5 I'm a healing touch, a soothing balm, I ease the pain, and calm the storm. What am I?



1. Medicine, 2. Medication, 3. Pharmacist, 4. Drug, 5. Therapy

Ph.D. Viva Voce

Ms. Chaitrali Shevkar: On 8th March, 2024, Ms. Chaitrali Shevkar, a Ph.D. student under the mentorship of Dr. Abhijeet Kate, successfully defended her thesis on the topic "Isolation and Characterization of Anticancer Molecules from Endolichenic Fungi".

Ms. Suchita Dattatray Shinde: On 8th March, 2024, Ms. Suchita Dattatray Shinde, a Ph.D. student under the mentorship of Dr. Bichismita Sahu, successfully defended her thesis on the topic "Design, Synthesis, and Evaluation of Novel Backbone-Modified Peptide-Based Molecular Self-Assembly and Applications".

Mr. Harsh Thakkar: On 3rd January, 2024, Mr. Harsh Thakkar, Ph.D. student of NIPER-A, successfully defended his thesis work on the topic "Analytical characterization of stress biomarkers and its correlation in parkinson's". He conducted his doctoral work under the Supervision of Dr. Ravi P. Shah. His research work and presentation was appreciated by all.

Ms. Swarali Joshi: On 16th January, 2024, Ms. Joshi Swarali, Ph.D. student of NIPER-A, successfully defended her thesis work on the topic "Probing microenvironment dependent interleukin-8 mediated metastasis in oral cancer". Her research work and presentation was appreciated by all.

Mr. Dinesh P. Satpute: On 24th April, 2023, Mr. Dinesh P. Satpute, a Ph.D. student at NIPER-A, successfully defended his thesis work on the topic "Synthesis,

functionalization, and bio-evaluation of quinazolinone-based heterocycles as anti-cancer agents". He conducted his doctoral research under the supervision of Dr. Dinesh Kumar. His research work and presentation were appreciated by all.

Ms. Neelima Anup: On 25th April, 2023, Ms. Neelima Anup, a Ph.D. student at NIPER-A, successfully defended her thesis work on the topic "Nano-Graphene Bio-Fuse Implant for post-surgical adjuvant therapy of breast cancer". She conducted her doctoral research under the supervision of Dr. Rakesh Tekade. Her research work and presentation were appreciated by all.

Mr. Tarang Jadhav: On 14th October, 2024, Mr. Tarang Jadhav, a Ph.D. student under the mentorship of Dr. Pinaki Sengupta, successfully defended his thesis work on the topic "Estimation of transporter-mediated interaction between bicitegravir and acalabrutinib by LC-MS/MS-based quantification". His research work and presentation were appreciated by all.

Ms. Kavya Teja: On 14th October 2024, Ms. Kavya Teja Parusu, a Ph.D. student under the mentorship of Dr. Siddheshwar Chauthi, successfully defended her thesis work on the topic "Bioprospecting, molecular docking analysis, and synthetic modification of bioactive compounds from Glycosmis pentaphylla for the discovery of potent anticancer compounds". Her research work and presentation were appreciated by all.





RESEARCH AND INNOVATION

Patents Granted

1. Patent Title: Silver-nanomix composition and method for managing the microbial infections, Indian patent, Patent Application No: #202321023205(19-02-2024)

Inventor Name: Rakesh Kumar Tekade and Surya Narayana Polaka.

2. Patent Title: Biodegradable Ink Composition For 3D Printing Of Implant, Indian patent, Patent Application No: #202321038102;(19-02-2024).

Inventor Name: Rakesh Kumar Tekade, Neelima Anup, Anuradha Gadeval, Vaishali Vinubhai Makwana.

3. Patent Title: Nanopalladium seeds for laser guided thermal ablation of cancer cells. Indian patent, Patent Application No: #202321044520(03-12-2024).

Inventor Name: Rakesh Kumar Tekade, Bhakti Mahendra Pawar, Anuradha Gadeval, Nakshatra Sharad Chaudhari, Neelima Anup.

4. Patent Title: Cartilage Regeneration Using Piezoelectric Based Scaffold, Indian patent, Patent Application No: #201621008797(07-03-2024).

Inventor Name: Govinda Kapusetti, Jaicy Jacob, Kiran Kalia and Piyush Gondaliya.

5. Patent Title: Graphene Oxide/Polypyrrole/ Polyaniline/Zinc Oxide Nanocomposite Based Electrode for Effective Detection of Cholesterol and Bilirubin. Indian patent, Patent Application No: #201821040222 (29-02-2024)

Inventor Name: Anup Kumar, Namdev More, Kiran Kalia and Govinda Kapusetti.

6. Patent Title: Hexafluoro-carbinol functionalized ROS - responsive chitosans and use thereafter; Indian patent, Patent Application No: #202221076307(30-08-2024).

Inventor Name: Bichismita Sahu, Mihir Kachhia, Mohit Maingale, Bhakti Kulkarni, Govinda; Shivaji Jadhav, Vrushali Tanpure, Neeraj Kulkarni, Pooja Prakash Atpadkar.

7. Patent Title: Pyranoacridone compounds and process for preparation of thereof; Indian patent, Patent Application No: #202321003196(28-06-2024).

Inventor Name: Teja, Parusu Kavya, Chauthe, Siddheshwar Kisan, Ly, Bao Quoc, Shah, Dhaval Kiritkumar, Das, Sourav, Mandoli Amit.

8. Patent Title: Polyfluorinated squaramide anticancer Compounds and use thereof; Indian patent, Patent Application No: #202321027020(22-04-2024)

Inventor Name: Bichismita Sahu, Amit Mandoli, Pinaki Sengupta, Govinda Shivaji Jadhav, Varsha Mahajan, Suchita Dattatray Shinde, Shubhangi Bhargava, Neeraj Kulkarni, Swarali Joshi, Ambika Chamoli, Bhaskar Dewangan, Pooja Dhakne.

9. Patent Title: A Series Of Imidazopyri(Mi)Dine-Based Sulfonamide Compounds and Uses Thereof Indian patent, Patent Application No: #202321033123(20-02-2024).

Inventor Name: Shard Amit, Das Rudradip, Chatterjee Deep Rohan, Kapoor Saumya, Sengupta Pinaki, Rajput Niraj, Khairnar Amit; Nalla Lakshmi Vineela

Patents filed

1. Patent Title: 3D-Printed Wound Support Splint Ring; Indian patent, Patent Application No: #202421046002 (14-06-2024).

Inventor Name: Rakesh Kumar Tekade, Tekade; Bhakti Mahendra Pawar; Anuja Sanjay Muley.

2. Patent Title: Nanofiber-coated 3D-printed Device for the Production of Cellular Spheroids; Indian patent, Patent Application No: #202421067030(04-09-2024)

Inventor Name: Akshay Srivastava, Prasoon Kumar, Priyanka Pulugu, Hariom Jani.

3. Patent Title: A Heterocycle-Tethered Benzofulvene Compound and A Process of Preparation Thereof; Indian patent, Patent Application No: #202421073889 (30-09-2024).

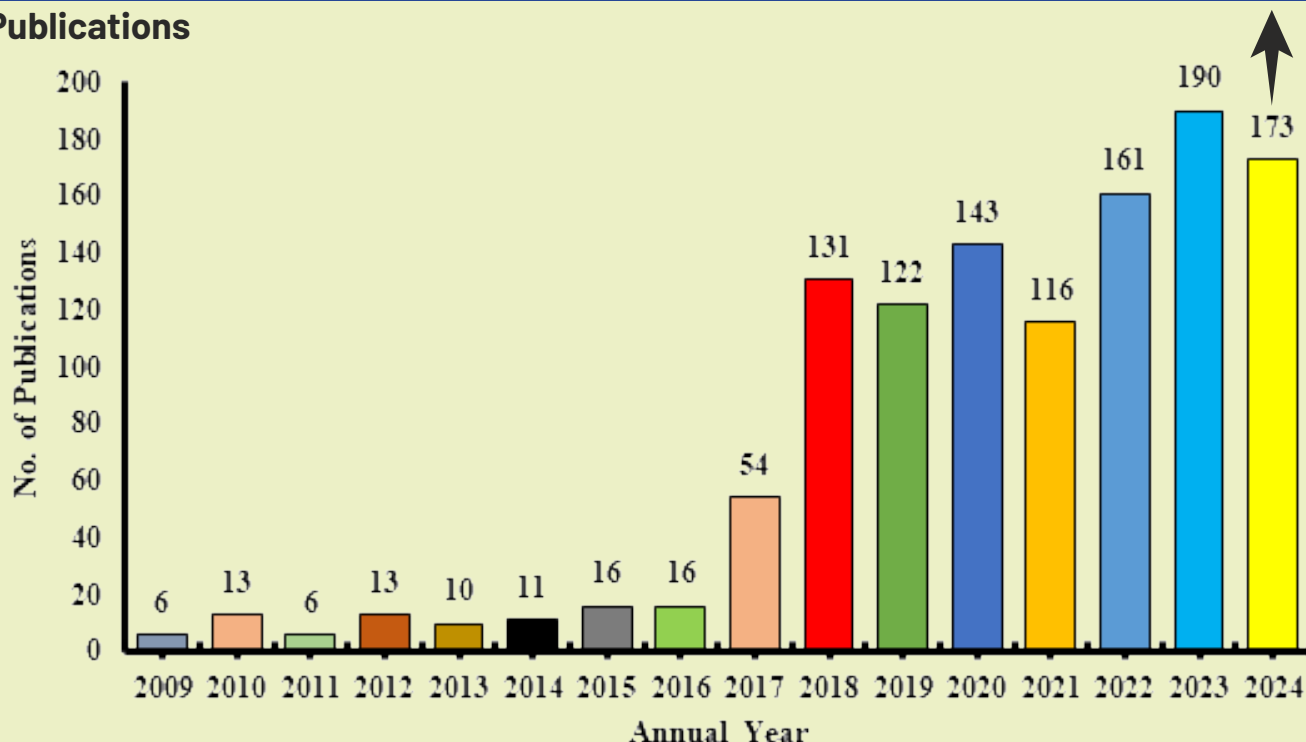
Inventor Name: Dinesh Kumar, Dinesh Parshuram Satpute, Garvita Narang, Sangita Dattatray Shinde, Shyam Kumar Lokhande, Divita Kumar, Jagdish Manjhi, Shivkanya Madhavrao Bhujbal, Amit Mandoli, Harshal Pravinbhai Rohit, Priyanka Patel Vatsa, Vinal Upadhyay.

Word Matching

1. A common side effect of many medications **A. Allergy**
2. A serious side effects of some medications **B. Vertigo**
3. A side effect of some medications that causes difficulty urinating **C. Nausea**
4. A side effect of some medications that causes stomach upset **D. Retention**
5. A side effect of some medications that causes dizziness **E. Drowsiness**

1-E, 2-A, 3-D, 4-C, 5-B

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3. N Anup, A Gadeval, SR Mule, T Gupta, RK Tekade*, Plasmonic laser-responsive BioDissolve 3D-printed graphene@ cisplatin-implant for prevention of post-surgical relapse of oral cancer, *International Journal of Pharmaceutics* 657, 124123 (IF: 5.8).

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Dr. Akshay Srivastava, Ph.D.

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Dr. Abhijeet Kate, Ph.D.

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Dr. Amit Mandoli, Ph.D.**Assistant Professor**

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Dr. Amit Shard, Ph.D.**Assistant Professor**

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Dr. Derajram Benival, Ph.D.**Assistant Professor**

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Dr. Dinesh Kumar, Ph.D.**Assistant Professor**

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Dr. Nitish Sharma, Ph.D.

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Dr. Pinaki Sengupta, Ph.D.

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Dr. Satyasheel Sharma, Ph.D.

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Assistant Professor

1. Saumya Kapoor, Suraj Kutre, Swarali Joshi, Ashutosh Goswami, Amardeep Singh, Parusu Kavya Teja, Kishori Jadhav, Pooja Tarde, Rohini Jadhav, Rohit Raut, Kajal B. Solanki, Akshay Srivastava, Siddheshwar K. Chauthe, Satyasheel Sharma, Abhijeet S. Kate, Amit Shard. (2024). Modulation of tumour pyruvate kinase M2 and suppression of cancer cell proliferation using natural and synthetic antioxidants, Journal of Molecular Structure.137751, doi.org/10.1016/j.molstruc.2024.137751 (I.F.4.0).

2. Drashti Bhavsar, Suraj Kutre, Priti Shikhare, Sunil Kumar, Santosh Kumar Behera & Siddheshwar Kisan Chauthi. (2024). Pharmacoinformatics approach for type 2 diabetes mellitus therapeutics using phytocompounds from *Costus* genus: an in-silico investigation, *Journal of Biomolecular Structure and Dynamics* doi.org/10.1080/07391102.2024.2330712(1.F.4.4).

Invited Talks

❖ Dr. Bichismita Sahu, Associate Professor at NIPER-Ahmedabad, delivered Online invited talks at the American Chemical Society (ACS) Spring 2024 event in New Orleans, USA, specifically at the Women in Carb session on 19th March, 2024.

❖ Dr. Nitish Sharma, Assistant Professor at NIPER-A, delivered an online invited talk on the topic "Basics of GCMS" to Glenmark Pharmaceuticals Ltd. in Mumbai.

❖ Dr. Amit Shard, Assistant Professor at NIPER-A, delivered oral talk at Institute of Pharmacy, Nirma University for students enrolled in the UG Research Council on 18th April, 2024.

❖ Dr. Derajram Benival, Assistant Professor at NIPER-Ahmedabad, delivered a talk entitled "Exploring Novel Compositions for the Development of Ophthalmic Inserts Using Hot Melt Extrusion" at CRS Local Chapter Webinars on 27th June, 2024.

❖ Dr. Siddheshwar Chauthi, Assistant Professor at NIPER-Ahmedabad, was invited as an expert for preliminary screening under the flagship initiative "Startup Srujan Seed Support" (S4) on 27th June, 2024, by Gujarat Student Start-up & Innovation Hub (i-Hub).

❖ Dr. Siddheshwar Chauthi, Assistant Professor at NIPER-Ahmedabad, conducted a mentoring session with STEPCARE Startup on 14th June, 2024, organized by the Biopharma Incubation Center at NIPER-A.

❖ Dr. Amit Kumar Pandey, Associate Professor at NIPER-A, delivered an expert talk at the 12th Foundation Day Annual Research & Innovation Conclave (ARIC) 2024-25 at the Institute of Advanced Research, Gandhinagar, on 17th October, 2024.

❖ Dr. Nitish Sharma, Assistant Professor at NIPER-A, delivered a talk during the hands-on program "Unveiling Protein Biology: Wet and Dry Lab Approach" at NIPER-A on 15th November, 2024, focusing on the topic "Basics of HRMS."

❖ Dr. Nitish Sharma, Assistant Professor at NIPER-A, delivered a talk on "Aggregation Study on HRMS-MALS" during the hands-on program "Unveiling Protein Biology: Wet and Dry Lab Approach" at NIPER-A on 16th November, 2024.

❖ Dr. Rakesh K. Tekade, Associate Professor, Department of Pharmaceutics served as a speaker and resource person in the GSBTM, DST, Govt. of Gujarat-sponsored National Symposium at the Faculty of Pharmacy, Dharmsinh Desai University, Nadiad (Gujarat).

❖ Dr. Nitish Sharma, Assistant Professor, department of Pharmaceutical Analysis delivered an invited lecture at Conference: "Updates on Approaches to Acceptable

Intakes of Nitrosamine Drug Substance Related Impurities (NDSRIs) and Bioequivalence Assessment for Reformulated Drug Products" organized at Universities at Shady Grove, Washington, DC, USA. The conference was co-hosted by USFDA and the Center for Research on Complex Generics (CRCG). Dr. Nitish Sharma delivered his expert opinion on importance and methodologies for "NDSRI analysis; Risk Assessment" as a speaker and brainstorming panel discussion. He also highlighted the work done by NIPER-A in the NDSRI and Nitrosamine field.

Poster Presentations

➤ Nupur Vasdev, Dr. Rakesh Kumar Tekade*, Department of Pharmaceutics, presented their work entitled as "Exercise imitating RNAi Nanoformulation for treatment of Obesity-proof of concept in C57 BL/6" at the Applied Pharmaceutical analysis (APA)-2024 organized by the Boston Society and NIPER-Ahmedabad on 22th September, 2024.

➤ Megha Pillai, Ravi Shah and Pinaki Sengupta. A multistage dissolution strategy to mimic biorelevant conditions for different generic products of BCS class II compound with pH dependent solubility. DISSO India – Ahmedabad 2024. Annual flagship conference of the Society for Pharmaceutical Dissolution Science (SPDS). 28th-29th July, 2024.

➤ Kshitiz, Rohit Saini, Kalpna Garkhal*. (2024). Formulation Development and in-vitro Characterization of Apremilast Loaded Liposome for Topical Drug Delivery. Applied Pharmaceutical Analysis-India 2024, 22th-24th September, 2024; Courtyard by Marriott, Ahmedabad, India.

➤ Fathimathu Rusaila Nazer, Biswashree Sahoo, Kalpna Garkhal*. (2024). Microparticles Loaded Hydrogel for Drug Delivery to Synovial Joints for Osteoarthritis. Applied Pharmaceutical Analysis-India 2024, 22th-24th September, 2024; Courtyard by Marriott, Ahmedabad, India.

Conference

❖ Megha Pillai, PhD student of the Department of Pharmaceutical Analysis attended the DISSO India-Ahmedabad 2024 conference of the Society for Pharmaceutical Dissolution Science (SPDS) during 28th-29th July, 2024 at Ahmedabad, Gujarat, India.

❖ Aditya Singh, PhD student of the Department of Pharmacology and Toxicology, under the guidance of Dr. Hemant Kumar, received the FENS-IBRO travel grant and presented his work on the gut microbiome brain axis dysregulation in Parkinson's diseases the FENS Forum 2024 at Vienna, Austria in June, 2024.

❖ Pankaj, PhD student of the Department of Medical Devices, under the guidance of Dr. Suveen Kumar, won the Best Poster Presentation at the International Symposium on Nanomedicine organized by the Institute of Nano Medical Science (INMS), University of Delhi, & Maharaja Surajmal Brij University (MSBU), Bharatpur, Rajasthan on 27th November, 2024.



INSTITUTIONAL GROWTH

NIPER-Ahmedabad organized the virtual event of Dedication to the nation of the new campus of NIPER-Guwahati Foundation stone laying ceremony of NIPER-Hyderabad & Raebareli and Inauguration and foundation stone laying ceremony of healthcare infrastructure projects in North-East Region



On 12th January 2024, NIPER-Ahmedabad organized the virtual event of Dedication to the nation of the new campus of NIPER Guwahati **Foundation stone** laying ceremony of NIPER-Hyderabad & Raebareli and Inauguration & foundation stone laying ceremony of **health-care infrastructure projects** in **North-East Region**. Here are a few glimpses of the event from the venue.

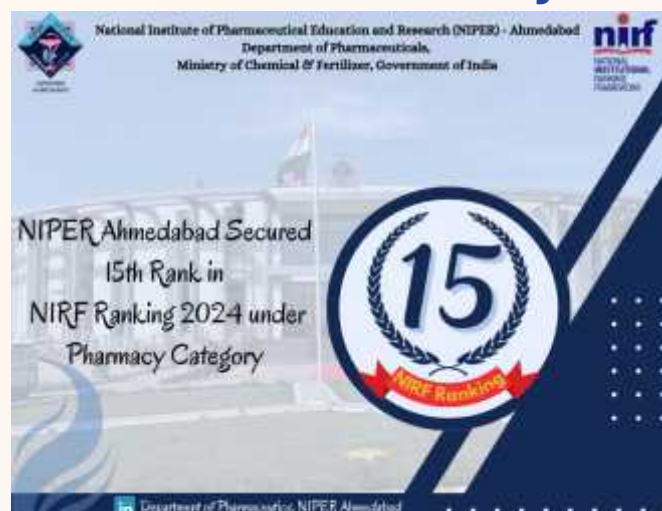
Inaugurated a new RFID-based library automation system



On 18th March 2024, Prof. Shailendra Saraf, Director of NIPER Ahmedabad, inaugurated a new RFID-based library

automation system. He shared how this solution will benefit both our library team and the users. From speeding up service delivery to ensuring stock accuracy, it's a small step toward efficiency.

NIPER-Ahmedabad NIRF Ranking



Inauguration of Navagraha Vatika



On 9th April, 2024, the auspicious occasion of the beginning of Chaitra Navratri, a new chapter of reverence and harmony with nature unfolded as Prof. Shailendra Saraf, Director of NIPER-Ahmedabad inaugurated the Institute's 'Navagraha Vatika'.

Recognizing the Nari Shakti, the trees were planted by the female staff and students of NIPER-A. The Director, Faculty Members, Administrative Staff, and Students from the Department of Natural Products followed the plantation. This garden symbolizes the nine celestial

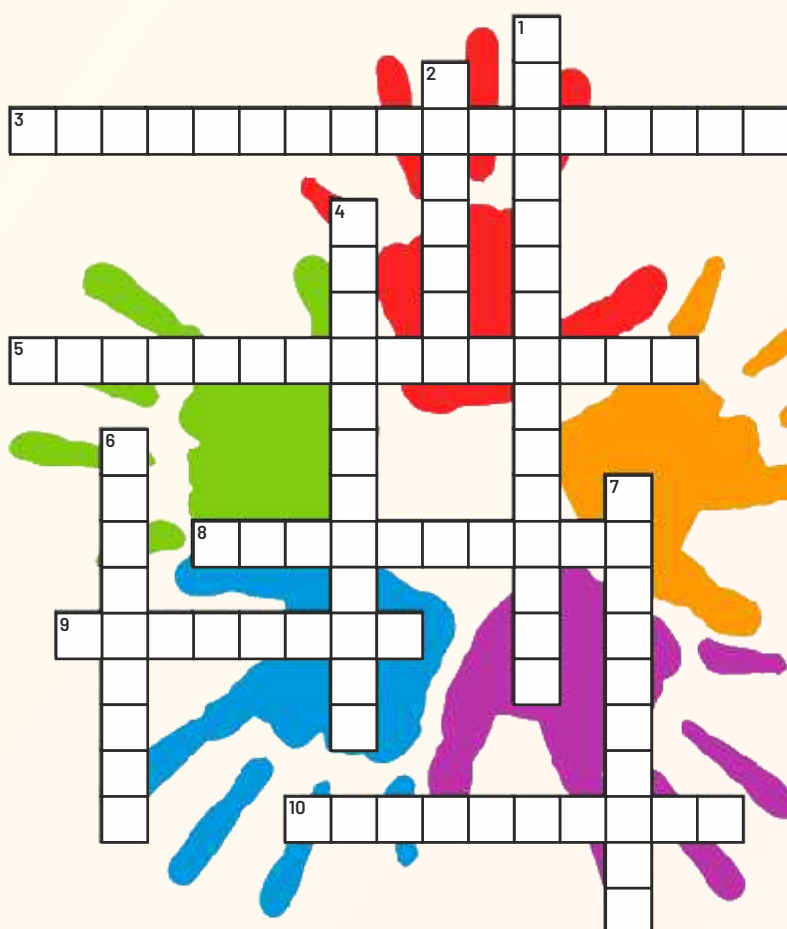
bodies associated with specific nine plants representing Navagrahas. These plants were tagged with a unique QR code providing its scientific and medicinal information. In his address, Prof. Saraf applauded the efforts of the Department of Natural Products and emphasized that the current scientific efforts should be made in conjunction with ancient Indian Science.

ATM inauguration at NIPER-A



Canara Bank inaugurated its ATM at the NIPER Ahmedabad campus. On the occasion, the Director of NIPER Ahmedabad, Dr. Saraf congratulated NIPER-A students for getting a new facility at the campus.

Pharma Crossword



Across

3. Class of drugs used to treat high blood pressure:
5. Class of drugs used to treat depression
8. The movement of a drug into the bloodstream
9. The site where a drug binds to produce its effect
10. Process by which drugs are broken down in the body

Down

1. Class of drugs used to treat anxiety and insomnia
2. Class of drugs used to lower cholesterol
4. The study of drug action
6. The elimination of a drug from the body
7. Class of drugs used to treat pain

Answer

Across: 3. Antihypertensives, 5. Antidepressants, 8. Absorption, 9. Receptor, 10. Metabolism
Down: 1. Benzodiazepines, 2. Statins, 4. Pharmacology, 6. Excretion, 7. Analgesics



CULTURAL & RECREATIONAL

Kite festival celebration



Being at the heart of Gujarat, celebrating the kite festival has become an integral tradition of NIPER-Ahmedabad. Like every year, this year too, NIPER-Ahmedabad celebrated the kite festival with all its students, faculty members, and staff on 14th January, 2024. The gathering filled the blue sky with floating colorful kites. The students, faculty, and staff enjoyed the Undia Jalebi lunch after the kite festival celebration. The event included kite flying and traditional Gujarati snacks, promising an enjoyable and memorable day for everyone involved.

Republic Day 2024



NIPER-A celebrated the 75th Republic Day with grandeur and enthusiasm. On this occasion, Director NIPER Ahmedabad Prof. Shailendra Saraf congratulated all the students and staff from the newly developed campus buildings.

In the message, he emphasized that the students, the nation's youngest workforce, should make their countable contribution towards the vision of making India the 2nd largest economy by 2047 when India will celebrate its 100th

Independence Day. He further counted on the strength of Pharmaceutical Academic research and highlighted how NIPERs should pave the path for the future.



During his vote of thanks, Registrar, Sh. Avdhesh Nautiyal stated that the constitution of India empowers the citizens and reciprocally the citizens empower the constitution. Further, he stated that along with the power, the constitution also assigns duties, and being an institution of national importance, NIPER Ahmedabad has a larger contribution to make in the progress of the nation. In this direction, he said, that we shall make our honest effort and all of us shall make endeavors to take the institution, and hence the nation, to the higher goals. He thanked the Hon'ble director, staff members, students, faculty members, and the ground-level workforce of NIPER Ahmedabad for conducting this grand event and extended his congratulations to all for the 75th Republic Day.

Celebration of International Women's Day at NIPER-Ahmedabad



On 12th March, 2024, NIPER-Ahmedabad celebrated International Women's Day with an event organized by the Women's Cell. Dr. Shreya Choudhary emphasized gender equality and women's leadership, while Prof. Sailendra Saraf assured the institute's commitment to a safe, inclusive workplace. The event concluded with a vote of thanks by the Registrar.

SPORTS WEEK REPORT - उत्साह-II





Every year, NIPER-Ahmedabad hosts its exhilarating Intra NIPER Sports Week, UTSAH (उत्साह-II), aimed at fostering a vibrant sports culture within the institute. The event, held from 19th February to 6th March 2024, kicked off with great enthusiasm as Director Prof. Shailendra Saraf inaugurated it, joined by the Registrar, Mr. Avdhesh Nautiyal, the Dean, Dr. Pallab Bhattacharya, and the sports committee chairman, Dr. Satyasheel Sharma. This marked the start of a lively celebration of sportsmanship and togetherness.

AURA 2K24

NIPER-Ahmedabad organized its annual cultural fest AURA 2K24 on 3rd May, 2024. Prof. Rama Shanker Dubey, Vice Chancellor of the Central University of Gujarat, and Prof. Chaitanya Joshi, Director of Gujarat Biotechnology Research Center, graced the occasion as distinguished guests. The energy was electric as our talented students took the stage, showcasing their skills in a dazzling array of performances. From mesmerizing dances to soulful music, every act left the audience spellbound!



The grand event started with the prize distribution for the winners and runner-ups from the sports week, Hindi pakhwada contest winners, and ended with the prize distribution to the best 3 performers of the night in between 20 performances were made by the students and the kids of the staff and faculty members. With their special appearance, little stars stole the show with their adorable performances!

Director NIPER-A, Dr. Shailendra Saraf, in his inspiring address, emphasized the importance of preserving and rejuvenating our rich cultural heritage. Prof. Dubey and Prof. Joshi echoed his sentiments, showering praise on the participants and extending their best wishes for the future.

Let's keep the spirit of AURA alive and thriving!

World Environment Day



On 5th June, 2024, NIPER-Ahmedabad celebrated World Environment Day with a successful Tree Plantation Drive! Our team came together to plant numerous saplings, contributing to a greener and healthier planet. Every tree planted is a step towards a sustainable future. Let's continue to nurture our environment and inspire others to do the same.

International Yoga Day



NIPER-Ahmedabad celebrated the 10th International Yoga Day on 21st June, 2024, with the theme "Yoga for Women Empowerment." The event saw enthusiastic participation from students, staff, and faculty, who all gathered to practice yoga and promote the benefits of physical and mental well-being. The celebration aimed to highlight the importance of yoga in empowering women, and fostering a sense of strength and resilience through the ancient practice. The event was a resounding success, reflecting the institution's commitment to holistic health and wellness.

78th Independence Day



NIPER Ahmedabad celebrated the 78th Independence Day. Dr. Shailendra Saraf, Director NIPER-A addressed the gathering of students, staff, faculty members. His wholesome speech covered the ancient Vedic culture, Indian education system, the contribution of the pharma industry, and the young generation in the nation's growth.

Training in Fire Extinguisher Safety



NIPER-Ahmedabad organized a Hands-on Training in Fire Safety on 11th August, 2024 for its faculty, Staff, Students, security guards & Housekeeping staff. The program aimed to impart methods of raising alarms and reaction drills expected from the environment on any fire incidents on the campus. The participants were made aware of the various types of fire extinguishers and their locations on the campus.

Swachhata Pakhwada



NIPER-Ahmedabad celebrated "Swachhata Pakhwada" from 1st-15th September, 2024.

हिन्दी दिवस एवं पखवाड़ा 2024



भारत सरकार गृह मंत्रालय, राजभाषा विभाग द्वारा जारी निर्देशों के अनुपालनार्थ राष्ट्रीय औषधीय शिक्षा एवं अनुसंधान संस्थान (नाईपर) अहमदाबाद में दिनांक : 14 सितंबर, 2024 से 28 सितंबर, 2024 तक हिन्दी दिवस एवं पखवाड़ा 2024 का आयोजन किया गया।

Celebration of World Mental Health Day



On 10th October, 2024, NIPER-A celebrated World Mental Health Day with an Art Competition on the theme "Mental Health." Held in the seminar halls, participants shared their perspectives on mental well-being through painting and sketches, promoting awareness and fostering a supportive community atmosphere.

Meditation session World Mental Health Day



On 10th October 2024, On the occasion of #WorldMental-HealthDay, NIPER-Ahmedabad organised a meditation session for Students, Faculty and Staff as a vital opportunity to promote global mental health education, awareness, and advocacy against social stigma.

Dr. Akshay Srivastava, Faculty NIPER-A highlighted the importance of mental well-being in our communities. It's okay to ask for help, and taking care of your mental health is just as important as your physical health.

Dr. Siddheswar Chaute, Faculty NIPER - A explained the profound practice of chanting AUM along with other breathing exercise.

Everyone came together to participate in the Session.

Garba Night



The Cultural Committee of NIPER-A organized a Garba Night on Monday, 7th October 2024, at the NIPER-A. Faculty, staff, and students enthusiastically participated in the event, embracing the joy of Navratri with an evening filled with traditional Garba dance, music & celebration, followed by a delicious dinner.

Vigilance Awareness Week



Under the theme “सत्यनिष्ठा की संस्कृति से राष्ट्र की समृद्धि.” Students, faculty, and staff participated actively, between 28th October to 3rd November, 2024, taking the 'Integrity Pledge' to promote honesty and transparency, reinforcing their commitment to uphold ethical values.

9th Ayurveda Divas



On 29th October 2024, NIPER-A celebrated the 9th Ayurveda Divas with enthusiasm by organizing a Free Ayurvedic Prakriti Chikitsa Camp, facilitated by the **Regional Ayurveda Research Institute, Ahmedabad**. The camp was inaugurated by the Director, Prof. Shailendra Saraf, and witnessed strong participation from faculty, staff, and students. Experienced doctors conducted personalized assessments to identify each individual's “Prakriti” and offered consultations accordingly. Ayurvedic medicines were prescribed and dispensed to address the specific health needs of the participants, reinforcing the institute's commitment to holistic wellness and traditional healing practices.

Rashtriya Ekta Diwas



On 30th October, 2024, students, staff, and faculty gathered in the auditorium to take a pledge in honor of Rashtriya Ekta Diwas, celebrating Sardar Vallabhbhai

Patel's birth anniversary. Dr. Satyasheel Sharma, Assistant Professor at NIPER-A, highlighted our shared commitment to national unity, providing a meaningful reminder of Patel's vision of a united India.

डॉ. अतुल कोठारी का आमंत्रित व्याख्यान



28 नवंबर 2024 को नाइपर-अहमदाबाद में डॉ. अतुल कोठारी, राष्ट्रीय सचिव, शिक्षा संस्कृति उत्थान एन.वाई.ए.एस., नई दिल्ली का व्याख्यान आयोजित किया गया। व्याख्यान का विषय “भारतीय ज्ञान परम्परा में स्वास्थ्य की अवधारणा :संदर्भ राष्ट्रीय शिक्षा नीति 2020” था। इस अवसर पर सभी फैकल्टी, स्टाफ और छात्रों ने भाग लिया। डॉ. कोठारी ने भारतीय परंपरागत ज्ञान और आधुनिक शिक्षा के समन्वय पर प्रकाश डाला, जो राष्ट्रीय शिक्षा नीति 2020 के उद्देश्यों के साथ सामंजस्य स्थापित करता है।

Constitution Day Celebration



NIPER-Ahmedabad celebrated the Constitution Day on 26th November, 2024, with an address by Mr. Avdhesh Nautiyal, Registrar NIPER-Ahmedabad, emphasizing the Constitution's values. He led faculty, staff, and students in taking the pledge, reaffirming their commitment to **Justice, Liberty, Equality, and Fraternity!**

SHRI RATAN TATA

(1937-2024)

NIPER-Ahmedabad's *Tribute* to a Legacy of
Leadership, Kindness and Integrity



"All of us do not have **equal talent**.
Yet, all of us have an equal opportunity to **develop our talents**"



Support & Services

CENTRAL INSTRUMENT FACILITY (CIF @NIPER-Ahmedabad)



CIF at NIPER-Ahmedabad serves as a **state-of-the-art** hub for advanced analytical and research instrumentation, dedicated to supporting cutting-edge scientific endeavors. Equipped with sophisticated instruments such as high-resolution mass spectrometers, NMR spectrometers, chromatography systems, and advanced imaging technologies, the facility provides comprehensive analytical solutions to researchers, students, and industry professionals. The primary function of CIF is to facilitate accurate and reliable data acquisition for diverse research domains, including pharmaceutical sciences, chemical analysis, biotechnology, and material sciences. By offering access to **world-class instrumentation** and technical expertise, CIF fosters innovation, enhances interdisciplinary research, and strengthens collaborations across academia and industry. For more information visit our CIF portal.

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Reading
IS THE
GATEWAY
FOR Student
THAT MAKES ALL OTHER
Learning POSSIBLE



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