

NIPER Guwahati

Wrissant



IN FOCUS

NIPER Guwahati: A New Dawn for Evidence-Based Healthcare in India

NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH (NIPER) GUWAHATI

CONGRATULATIONS!

Department of Pharmacy Practice, NIPER Guwahati identified as a Technical Resource Hub for the Centre for Evidence-based Guidelines, Department of Health Research (DHR), Ministry of Health & Family Welfare, Govt. of India for Developing Evidence-Based Guidelines

Financial support up to Rs. 70 Lakhs per year will be provided to this Technical Resource Hub

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In a major leap for healthcare in Northeast, the Department of Pharmacy Practice at NIPER Guwahati has been recognized as a Technical Resource Hub (TRH) by the Centre for Evidence-Based Guidelines, Department of Health Research (DHR), Ministry of Health and Family Welfare. This prestigious designation places NIPER Guwahati at the heart of shaping the future of evidence-based healthcare guidelines in India.

As one of only five institutions in the country to receive this recognition, NIPER Guwahati is now empowered to play a crucial role in the development of rigorous, evidence-backed healthcare policies. With up to ₹70 Lakhs in annual financial support, the institution is poised to make a significant impact on national healthcare practices. Under the leadership of Dr. Krishna Undela, Assistant Professor of Pharmacy Practice, the department will lead efforts to ensure the highest

standards in systematic reviews, meta-analyses, and evidence assessment.

At the core of this initiative is the development of comprehensive healthcare guidelines, built on a foundation of rigorous, evidence-based practices. This involves not only reviewing and synthesizing research, but also applying robust methodologies like the GRADE approach and Evidence to Decision (EtD) framework to ensure the recommendations are grounded in the best available evidence.

Moreover, NIPER Guwahati's role extends beyond quality assurance. It will train members of Guideline Development Groups (GDGs) to critically appraise evidence, assess its strength, and make informed decisions that will shape the country's healthcare policies. Through workshops and capacity-building sessions, the institution will ensure that India's evidence-based guideline development is aligned

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with international best practices. This recognition is not just a milestone for NIPER Guwahati, but a victory for India's healthcare system. By fostering evidence-based decision-making, the institution will help ensure that India's healthcare guidelines are not only relevant but also scientifically sound, ultimately improving health outcomes nationwide.

EVENTS AT A GLANCE

AI-powered 3D printed Microstructures for Biosensing Applications



A seminar titled AI-powered 3D printed Microstructures for Biosensing Applications was conducted on January 3, 2025 by the Dept. of Medical Devices. Dr. Ajhar Ali from School of Animal Sciences, Virginia tech took the session where students of M.Tech 2023-25 batch working their 2nd Year Final Project at NIPER-G and Ph.D.s demonstrated their research works. The speaker also visited the Department and its facilities and shared his experiences and ideas in the growing field of Medical Devices.

One day workshop in Indo-French Node Brainstorming on "Organ on-chip" A preclinical device for Diagnosis, Drug Discovery & Development



A one day workshop in Indo-French Node Brainstorming on "Organ on-chip" A preclinical device for Diagnosis, Drug Discovery & Development" was conducted on January 12, 2025 at NIPER Guwahati. Prof. Suman Chakraborty, IIT Khargpur along with speakers from IIT Guwahati, IIT BHU, NIPER Guwahati and NIPER Kolkata

delivered talks on their respective research areas. The objective of the programme was to disseminate the ongoing research and future aspects as well as possibilities on research & training and collaboration opportunities in the field of preclinical devices (primarily Organ on Chip) related to Diagnosis, Drug Discovery & Development. Further to explore the possibilities of joint research activity through cooperation with other National and International institutes.

Hands on training on Molecular Biology Techniques



Training session on molecular biology techniques was conducted to provide practical exposure and skill development for students from various institutions. A total of 12 students participated in this training program, representing different universities and colleges from the Northeast region of India.

Northeast Bio Incubators Conference (NE-BiC 2025)

North East Bio Incubators Conference (NE-BiC 2025) was held at NIPER Guwahati from January 28th to 29th, 2025 bringing together the key industry leaders, bio-incubators and start-ups.



IPR Awareness Session in association with IPFC at ICRISAT, Hyderabad



The IPR Awareness Session was successfully conducted on March 7th, 2025 by AIC NIPER Guwahati Foundation in collaboration with the Intellectual Property Facilitation Cell (IPFC) at ICRISAT, Hyderabad. Held at the NIPER Guwahati Seminar Hall and supported by the Ministry of MSME, Government of India, the session welcomed an impressive 150 participants, including MSMEs, startups, researchers, student innovators, and faculty members. The event featured dynamic discussions on foundational aspects of IPR, patent filing strategies, and the free filing benefits provided by the ICRISAT IPFC, highlighting the initiatives supported by the Ministry of MSME. Esteemed speakers Ms. Sravanti Vedula and Mr. Abhishek Choudhury inspired the audience with their expert insights into the significance of IPR in fostering innovation, particularly within the startup ecosystem.

From Bench to Bedside: Translational Case Studies



Prof. Vandana B Partravle addressed the gathering with her splendid research work done at ICT-Mumbai for last 03 decades with translational potential. Nearly 100 participants attended the event.

Soft skill and Personality Development Training programme



The Placement Committee at NIPER Guwahati successfully conducted a '3-Day Soft Skill Training and Personality Development Programme' for second-year Master's students from January 20th - 22nd, 2025. The programme was held in hybrid mode, offering students the opportunity to enhance their skills and boost their performance in upcoming interviews. Ms. Abhilasha Abhay Gupta, Professor in Management, Soft Skills Trainer, and Management Consultant at DIPSAR Delhi University, as the Resource Person for the session.

76th Republic Day celebration



The 76th Republic day was celebrated at NIPER Guwahati on January 26th, 2025 campus with due fervor and enthusiasm. Prof. (Dr.) USN Murty, Director NIPER Guwahati, unfurled the tricolor on the occasion in presence of faculty and members, and students. During his speech, Prof. Murty recalled the contributions of the pioneers and contributors who took the immense efforts of devising our constitution and help establishing a India as a secular and sovereign democracy. He further urged the NIPERians to put in their best efforts in their professional lives and make the country proud.

Yoga sessions

As part of the social activity initiatives, students participated in yoga sessions on January 31st, 2025 at NIPER Guwahati. Renowned yoga instructor Ms. Mridula Lahkar conducted the sessions for the students.



World Hindi Divas

World Hindi Divas was observed at NIPER Guwahati on January 10th, 2025. As part of the event, Hindi workshop and various competitions were organized to promote Hindi implementation in official works.



Annual Sports Week

Annual Sports Week was conducted at NIPER Guwahati from February 17th - 23rd, 2025 where various departments participated in number of sporting events such as cricket, volleyball, football, and other indoor events.

Prof. (Dr.) USN Murty, Director, NIPER Guwahati inaugurated the event. Students from various departments represented their departments in various sports categories and brought glory while winning.



PM Bharatiya Janaushadhi Kendra at NIPER Guwahati inaugurated



A Pradhan Mantri Bharatiya Janaushadhi Kendra was inaugurated at NIPER Guwahati on March 7th, 2025. Prof. (Dr.) USN Murty, Director NIPER Guwahati, inaugurated the pharmacy and said that the facility will support the much-needed medical needs of the students as well as the faculty, staff and boarders of resident quarters.

NIPERG Visit

Dr. Nitin Kulkarni, Director, Rain Forest Research Institute (RFRI), Jorhat visited NIPER Guwahati on February 26th, 2025. He was welcomed by Prof. (Dr.) USN Murty, Director NIPER Guwahati to the campus and held a series of discussions on possible collaborations between the two institutes for mutual benefit.



AWARDS & ACHIEVEMENTS

Recognition to NIPERG faculty by Royal Society of Chemistry and Royal Society of Biology, UK

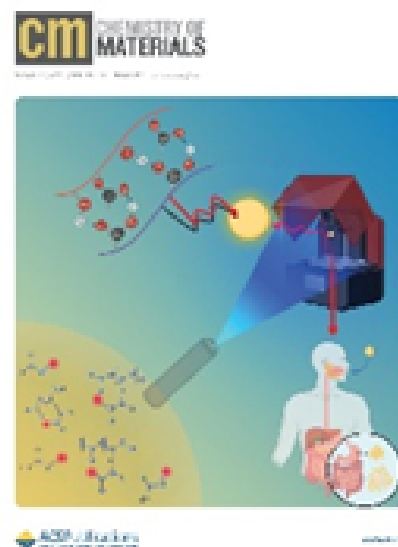
Dr. Amit Alexander, Associate Professor from Dept. of Pharmaceutics, have been recognized as the Elected Fellow of Royal Society of Chemistry (MRSC-UK) and Elected Fellow of Royal Society of Biology (MRSB-UK). Congratulations to Dr. Alexander on his achievements!



NIPERian's research article features in cover page of reputed international journal

A research article by Mr. Purushottam Suryavanshi, Senior Research Fellow, was featured at the Cover Page of the March edition of reputed journal ACS-Chemistry of Materials, US.

Mr. Purushottam Suryavanshi is an Senior research Fellow from Department of Pharmaceutics working under the guidance of Dr. Subham Banerjee, Associate Professor (Pharmaceutics.) Congratulations and best wishes to Mr. Suryavanshi!



EXTRA/INTRA-MURAL RESEARCH PROJECTS

SI No	Name of Project	PI/Co-PI	Funding Agency	Duration	Amount
1	LC-MS/MS analysis of per- and polyfluoroalkyl substance Exposure Risk in drinking water from the Kamrup Region of Assam: Mitigation Strategies by 3D-Printed Cartridges.	Dr. Subham Banerjee (Co-PI)	Technology Innovation Hub (TIH), IIT-Guwahati	02 Years	8.00 Lakhs
2	Effect of smokeless tobacco on the expression of transporter proteins by targeted proteomics approach and implications thereof on the pharmacokinetics of substrate drugs.	Dr. Swapnil Dengale	ICMR	03 years	49.66 Lakh
3	Technical Resource Hub (TRH) under the Centre for Evidence-Based Guidelines	Dr. Krishna Undela	Department of Health Research (DHR), MoH&FW	Continuous	Up to Rs. 70 Lakhs per year
4	Development of an effective polyherbal medicine for the treatment of diabetes-induced Alzheimer's disease	Dr. Amit Alexander	Centre of Excellence	3 years	60 lakhs

PATENTS & PUBLICATIONS

Patents

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- Compounds for Human Antigen R (HuR) RNA binding protein inhibition and method of preparation thereof. Patent Application No. 202531003109. Indian Patent office, at Kolkata, India.

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 - J Dey, K Kaushiki, KMA Mishra, P Sudheer, KK Sethi. A Systematic Quantitative Approach to Rational Drug Design and the Discovery of Novel Human Antigen R (HuR) Inhibitors. *Anti-cancer agents in medicinal chemistry*, 2025.
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 - Sourav Chougule, Hafiz Ahmed, Snigdha Singh, Mukta Agrawal, Ravish J Patel, Amit Alexander*. Optimizing etodolac and quercetin loaded MSNs using taguchi design: an approach for enhancing drug loading efficiency. *Journal of Pharmaceutical Sciences*. (Impact Factor: 3.7). <https://doi.org/10.1016/j.xphs.2024.12.026>
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अगर मैं एक पेड़ होता

अगर मैं एक पेड़ होता
तो मुझे मार दिया जाता
उगने से पहले ही काट दिया जाता
बढ़ने से पहले ही मार दिया जाता
अगर मैं एक पेड़ होता।

अगर मैं एक पेड़ होता
तो सिर्फ पूजा जाता धर्म के विश्वास पर
अगर निकलता नहीं उस कुल का
तो कर दिया जाता
लकड़ियों की आस पर।

अगर कोई उठाता आवाज़ मेरे लिए
तो उसे भटका दिया जाता
अगर तब भी चुप ना बैठे वो
तो उसे मार कर
उसका शव मुझपे लटका दिया जाता
अगर मैं एक पेड़ होता

अगर मैं एक पेड़ होता
तो बड़ा तरस आता मुझे एक पेड़ होने पर
बड़ा तरस आता मुझे अपनों को खोने पर
अगर मैं एक पेड़ होता

अगर मैं एक पेड़ होता
तो इतने गहरे होते मेरे घाव
काट दिया जाता

घर बनाने के लिए, किसी मंत्री की कुर्सी के लिए
कभी सड़क निर्माण के लिए, किसी बिजली के खंभे के लिए
या कभी कुछ पत्रों के लिए
टहनियां भले ही होती मुझमें
पर किसी को न दे पता छांव
इतने गहरे होते मेरे घाव

अगर मैं एक पेड़ होता
तो सिर्फ जिंदा रह पाता इंसानी बीमारी से
फलता फूलता मेरा परिवार
कोई फैली हुई महामारी से
तब मुझे किसी का डर नहीं होता
तब मैं इतना कमज़ोर नहीं होता
अगर मैं एक पेड़ होता।

By Surjeet Dhiman, Department of Pharmaceutics

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