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NIPER Guwahati Quarterly Newsletter



INSTITUTE HIGHLIGHTS

Successful Synthesis and Handing Over of 13 Reference Molecules to NDTL

The Department of Medicinal Chemistry, NIPER Guwahati successfully synthesized 13 Reference Molecules (RMs) to be used for anti-doping analysis and handed over to National Dope Testing Laboratory (NDTL), New Delhi, recently. This is as part of an agreement signed between NDTL and NIPER Guwahati back in August 2020 which prompted NIPER Guwahati to synthesize a planned number of such rare RMs in a phased manner.

These indigenously synthesized and developed rarely available or non-commercially available Reference Materials (RMs) are highly purified and scientifically characterized forms of drug substances or their metabolites. They are essential for accurate and reliable analytical testing and quality control in WADA-accredited laboratories like NDTL.



AIC NIPER Guwahati Foundation recognized as Host Institute by MSME, GoI



Happy to Share that

AIC NIPER Guwahati Foundation recognized as Host Institute under MSME on 26.06.2025



MSME
MICRO, SMALL & MEDIUM ENTERPRISES
सूक्ष्म, लघु एवं मध्यम उद्यम
OUR STRENGTH • हमारी शक्ति

Ministry of MSME, Govt. of India

Strategic and financial advantages:

- > Up to ₹15 lakhs per idea to the incubatee through the Host Institute.
- > Capital assistance up to ₹1 crore to NIPER Guwahati: For setting up or upgrading incubation infrastructure.

AIC NIPER Guwahati Foundation was recognized as a Host Institute under the Ministry of MSME, Government of India, on June 26, 2025. This enables the AIC NIPER Guwahati Foundation to directly administer and support startups through various MSME schemes. The support will include Direct Financial Support, Scheme

Implementation, Boosting Regional Economy, and MSME Network Access. The recognition by MSME formalizes AIC NIPER-Guwahati Foundation's role as a key facilitator of innovation-led MSMEs in the pharmaceutical and healthcare technology domain, especially within the strategically important North-Eastern region.

In this newsletter

Institute Highlights

Events At A Glance

MoU

Awards & Achievements

Patents & Publications

EVENTS AT A GLANCE

Training on Cell Culture & Microscopy Techniques



NIPER Guwahati in collaboration with AIC NIPER-Guwahati Foundation, the Biotech Hub of the Department of Biotechnology, and ZEISS India conducted a hands-on training session on "Basics of Cell Culture and Microscopy Techniques," on April 3-4, 2025 at NIPER Guwahati. The event provided a platform to delve into cell culture principles, 3D cultures methodologies, and live cell imaging.

Faculty Workshop on Research Grant



NIPER Guwahati organized a One-Day Workshop on Research Grants on April 26, 2025, focusing on Writing, Defense, and Implementation of a Grant Proposal for the faculty members. The session featured Dr. Rajiv K. Tayal, Former Advisor, DST, Ministry of Science and Technology, Government of India, and Dr. Dandu Radha Prasada Raju, Former Scientist, DST, Ministry of Science and Technology, Govt. of India, as resource persons.

State Level Incubator Meet



AIC NIPER-Guwahati Foundation participated in the State Level Incubator Meet 2025 at Assam Startup - The Nest on May 8, 2025, contributing to discussions on strengthening entrepreneurial initiatives and fostering collaboration among incubators.

Mock Drill for Disaster Preparedness



A Mock Drill was organized on May 9, 2025, in collaboration with the 1st Battalion, National Disaster Response Force (NDRF), Changsari, Assam to sensitize faculty, staff and students on disaster preparedness and emergency response.

Open Science Day



Open Science Day was observed on May 16, 2025, with the vision of providing school students a unique opportunity to explore the laboratories and spark their curiosity about careers in pharmacy and pharmaceutical sciences. Nearly 220 students from two schools—St. Vivekananda English Academy, Guwahati and Rupkonwar Academy, Changsari—visited the NIPER-G facilities and engaged in interactive sessions with students and research scholars.

Prof. (Dr.) USN Murty, Director NIPER Guwahati, emphasized the importance of inspiring young minds toward cutting-edge research, highlighting its significance for the nation's progress.

Advocacy Program by Competition Commission



An Advocacy Programme on the Competition Act was organized under the auspices of the Competition Commission of India at NIPER Guwahati on May 21, 2025. The session aimed to create awareness about the provisions of the Competition Act for the benefit of students, faculty, staff, and suppliers associated with the institution. Mr. Umesh Kumar, IPS (Retd.), Former DGP of Assam, and Mr. Tarun Goswami, Addl Chief Secretary (Retd.), Govt. of Assam, took the session as resource persons.

International Yoga Day



International Yoga Day was observed on June 21, 2025 with enthusiasm and collective participation. The event was organized to promote physical, mental, and spiritual well-being through the ancient practice of yoga. Ms. Mridula Lahkar, a certified yoga expert from the Art of Living (Guwahati), led the session, guiding participants through a series of asanas, breathing techniques, and meditation practices. Her expertise and engaging approach helped attendees understand the holistic benefits of yoga in daily life. The event witnessed active participation from faculty members, staff, students, and resident families from the campus.

7th Convocation



NIPER Guwahati organized its 7th Convocation on June 18, 2025 with great pride and ceremony, marking a significant milestone in its academic journey of the students. The Hon'ble Governor of Assam, Shri Lakshman Prasad Acharya, graced the occasion as the Chief Guest, lending prestige and inspiration to the event. Shri Amit Agrawal, IAS, Secretary, Department of Pharmaceuticals, Government of India, attended as the Guest of Honour and formally welcomed the Hon'ble Governor. The convocation witnessed the degrees conferred to 366 students, recognizing their academic achievements and preparing them to contribute



meaningfully to the pharmaceutical and life sciences sectors. In his address, the Hon'ble Governor congratulated the degree holders on successful completion of their academic journey. He urged them to realize their academic intellect as well as potential to focus on efforts towards greater good of the society. While reverberating his words, Guest of Honour Shri Agrawal wished the students a successful future ahead. Prof. (Dr.) USN Murty, Director NIPER Guwahati, addressed the gathering with reflections on the institute's growth, research accomplishments, and future aspirations.

World Environment Day



World Environment Day was observed on June 5, 2025 through a plantation drive on NIPER Guwahati campus by students, faculty, staff members as well as the residents of the quarters. The event created awareness on clean and green practices as well as significance of a green environment while promoting nature and activism.

MoU

- A Memorandum of Understanding (MoU) was signed on April 16, 2025, between NIPER Guwahati and ICFRE Rain Forest Research Institute (RFRI), Jorhat to foster research collaboration and capacity building in forestry and pharmaceutical sciences. Prof. (Dr.) USN Murty, Director NIPER Guwahati, and Dr. Nitin Kulkarni, Director, RFRI Jorhat signed the MoU at NIPER Board Room.



- NIPER Guwahati signed a Memorandum of Understanding (MoU) on April 17, 2025, with Numaligarh Refinery Limited (NRL) to collaborate on developing processes and value-added pharmaceuticals, Key Starting Materials (KSMs), reagents, and solvents derived from petroleum streams.



- A Flexible Memorandum of Understanding (Flexi MoU) was signed on April 24, 2025, between Swadeshi Shodh Sansthan, University of Agder (Norway), Indira Gandhi National

Tribal University (IGNTU), Indian Agricultural Research Institute (ICAR-IARI), and NIPER Guwahati. This agreement aims to forge multilateral collaboration and catalyze Bharatiya research integration with global endeavors.

- AIC NIPER-Guwahati Foundation signed an MoU with IKP PRIME at IKP Knowledge Park, Hyderabad on May 26, 2025 on collaboration aiming to advance innovation and venture across the Northeast region, fostering research, mentorship, and business development opportunities for emerging startups.



AWARDS & ACHIEVEMENTS

- Prof. (Dr.) USN Murty, Director NIPER Guwahati, received Honorary Fellowship of the Society for Ethnopharmacology (FSFE) under the Society for Ethnopharmacology, India (SFE-India). Hearty congratulations to Sir from the entire NIPERG fraternity!



- Dr. Deepak Bharadwaj PVP, Assistant Professor (Pharmacology & Toxicology) received Prime Minister's Early Career Research Grant under ANRF to assist researchers to initiate their research career in a new institution with a flexible budget and progressive initiatives for ease of doing research.



- Dr. Pramod Kumar, Assistant Professor (Pharma Analysis), received NRL Ideation Grant from Numaligrah Refinery Limited for his startup Maa Kamakhya Phytochemicals Laboratories Private Limited of Rs. 35 lakhs.



- Dr. Subham Banerjee, Associate Professor (Pharmaceutics), received a grant of Rs. 45.17 Lakh from DBT-North Eastern Region Biotechnology Programme Management Cell (DBT NER-BPMC), for his 3 year project titled 'Exploring the Conventional and Additive Manufacturing Potential of Indigenous Assam Rice for Pharmaceutical Applications'



- Dr. Awanish Mishra, Assistant Professor (Pharmacology & Toxicology), as part of Faculty Exchange Programme under ASEAN-India Network of Universities (AINU) Consortium visited Chulalongkorn University and Ubon Ratchathani University in Thailand and participated in various academic and research activities, international conferences and delivered talks on these forums. These include 4th ISC-UBU Virtual Roundtable Discussion at Ubon Ratchathani University and Invited talk at the Department of Biochemistry, Faculty of Medicine, Chulalongkorn University.



CAMPUS VISITS

- Shri Amit Agrawal, IAS, Secretary, Department of Pharmaceuticals, visited NIPER Guwahati on June 17, 2025. Prof. USN Murty, Director of NIPER-Guwahati, welcomed the Secretary and presented an overview of the institute's achievements, infrastructure, and future roadmap. The visit included a tour of research laboratories, incubation facilities, and innovation hubs, where Shri Agrawal appreciated the cutting-edge work being carried out by the institute. Shri Agrawal also inaugurated the newly-constructed Manas Hostel and the AIC NIPER Guwahati Foundation building.



- NABL Surveillance Audit team visited the Medical Devices Testing and Calibration Facility at NIPER Guwahati on April 28 and 29, 2025. The team inspected and audited the facility and provided its recommendations.



RAJBHASHA IMPLEMENTATION

हिंदी कार्यशाला रिपोर्ट अप्रैल 2025

भारत सरकार की राजभाषा नीति के अनुसार प्रत्येक तिमाही में हिन्दी कार्यशाला का आयोजन किया जाता है। इसी के तहत अप्रैल 2025 तिमाही श्री रोहित कुमार साव, कनिष्ठ हिंदी अनुवादक, नाईपर गुवाहाटी ने हिंदी कार्यशाला का संचालन किया। कार्यशाला का विषय "कंप्यूटर पर हिंदी में कार्य, 25 अप्रैल 2025" था। कार्यशाला का शुभारंभ कनि. अनुवादक के स्वागत संबोधन द्वारा हुआ जिसमें उन्होंने श्रीमती दिव्या, सहायक निदेशक (राजभाषा), हिंदी शिक्षण योजना, गुवाहाटी का परिचय देते हुए उनका स्वागत किया। डॉ. यू.एस.एन.मूर्ति, निदेशक, नाईपर गुवाहाटी ने मुख्य अतिथि का पारंपरिक तरीके से स्वागत किया और प्रारंभिक टिप्पणी दी। निदेशक, नाईपर गुवाहाटी ने सरकारी कार्यालयों में राजभाषा के प्रयोग के महत्व पर प्रकाश डाला। श्रीमती दिव्या, सहायक निदेशक (राजभाषा) ने कार्यशाला का प्रारंभ किया। कार्यशाला में समान भागीदारी लेते हुए उपस्थित सभी अधिकारियों/कर्मचारियों ने अपने विचार एवं प्रश्न भी रखे। कार्यशाला बहुत ही रोचक और ज्ञानवर्धक रही। अंत में कुलसचिव, नाईपर गुवाहाटी द्वारा धन्यवाद ज्ञापन के साथ कार्यशाला का समापन किया गया।

हिंदी कार्यशाला की कुछ झलकियाः-



हिंदी प्रशिक्षण

नाईपर गुवाहाटी में उप-निदेशक (पूर्वोत्तर) कार्यालय, हिंदी प्रशिक्षण योजना, गुवाहाटी द्वार जनवरी से मई 2025 में प्रवीण एवं प्राज्ञ प्रशिक्षण का आयोजन किया गया, जिसमें क्रमशः 09, व 04 कर्मचारी उत्तीर्ण हुए।



FAREWELL

- Dr. Setthapong Senarat, Lecturer from Ubon Ratchathani University, Thailand, bid farewell after servicing NIPER Guwahati for two months (April-May 2025). Dr. Setthapong was on an exchange programme under AINU Consortium.
- Dr. Uday Kr. Roopavath, Assistant Professor (Medical Devices), bid farewell to NIPER Guwahati on May 30, 2025. Dr. Uday brought interdisciplinary expertise in biomedical engineering, nanotechnology, and biotechnology, with research interests in advanced biofabrication techniques.



PATENTS & PUBLICATIONS

Patents

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