



NEWS LETTER

JANURAY-MARCH 2026

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NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH

NIPER-RAEBARELI

राष्ट्रीय औषधीय शिक्षा एवं अनुसंधान संस्थान, रायबरेली

ट्रांजिट कैंपस : बिजनौर-सिमेंटी रोड, सरोजिनीनगर, लखनऊ-226002 (उ.प्र.) भारत

NIPER-Boehringer MoU & AMRITVA Cohort 2 Unveiled



To advance pharmaceutical education and research in India, a Memorandum of Understanding (MoU) has been signed between National Institute of Pharmaceutical Education and Research (NIPER), Raebareli and Boehringer Ingelheim India Pvt. Ltd. The MoU was signed in the presence of Shri Manoj Joshi, Secretary, Department of Pharmaceuticals in New Delhi.

On the occasion, Cohort 2 of AMRITVA (Alliance for Medicinal Research, Innovation, Translation & Value Acceleration) to strengthen India's innovation system and enable translation of research outcomes into viable pharmaceutical products and entrepreneurial ventures was also launched. AMRITVA is implemented by the Startup Incubation and Innovation Centre (SIIC), IIT Kanpur, in partnership with the National Institute of Pharmaceutical Education and Research (NIPER), Raebareli. This is an initiative supported under Corporate Social Responsibility (CSR) by Boehringer Ingelheim India Pvt. Ltd.

Annual Sports Fest "KSHITIZ 2026"



Annual Sports Fest "KSHITIZ 2026" was inaugurated by Dr. Jitendra N. Verma, Founder & Managing Director, Lifecare Innovations, along with Prof. Shubhini A. Saraf, Director, NIPER - Raebareli. This week-long interdepartmental sports fest featured a range of sporting disciplines, including cricket, volleyball, and more, fostering team spirit, sportsmanship, and holistic development among students.

77th Republic Day celebration



The 77th Republic Day was celebrated with great enthusiasm and patriotic fervor at the Lucknow Transit Campus of the National Institute of Pharmaceutical Education and Research (NIPER), Raebareli. The celebrations commenced with the hoisting of the National Flag by the Director, Prof. Shubhini A. Saraf, followed by the singing of the Indian National Anthem. On this occasion, faculty members, officers, and staff who demonstrated outstanding performance and made significant contributions to the institute were felicitated and honoured for their exemplary work.

Students Explored Facilities



NIPER Raebareli successfully hosted student groups from State Ayurvedic College & Hospital, Lucknow and Hygia Institute of Pharmaceutical Education & Research (HIPER), Lucknow on 30th March 2026 for an educational visit. The students explored research facilities.

International Women's Day



International Women's Day celebrated at NIPER-Raebareli with enthusiasm and meaningful discussions. The event highlighted inspiring experience-sharing sessions, where women faculty, researchers, and staff shared their professional journeys, challenges, and achievements.

Placement Readiness Workshop



NIPER-Raebareli successfully organized a 3-day Placement Readiness Workshop (3-5 Feb 2026). Led by Dr. Lata Bajpai Singh (Assistant Professor, Dept. of Management Studies, BBAU, Lucknow), the workshop covered resume building, cover letters & email writing, professional grooming, interview skills, networking strategies, and mock interviews.

Interaction with Prof. Jernej Iskra



Prof. Jernej Iskra, University of Ljubljana, Slovenia (ERASMUS+ Programme), interacted with Prof. Shubhini A. Saraf, Director and faculty members. A lecture was conducted by Prof. Iskra for Master's and Ph.D. students of the Medicinal Chemistry Dept. on 04 Feb, 2026.

Training on Experimental Research



NIPER - Raebareli Organised 4th Training Cum Certificate Course on "Improving the Quality and Outcome of Experimental Research". The course began with inspiring interactions, expert lectures, and hands-on training sessions. Training featured insightful technical lectures by Prof. Adil Asghar (AIIMS Patna) and Dr. Chiman Kumari (Additional Professor, PGIMER Chandigarh).

National Start-Up Day



NIPER - Raebareli successfully celebrated National Start-Up Day with an insightful session on "AI and Emerging Tools Revolutionizing Drug Discovery and Development." The session was delivered by Paritosh Prashar, Co-founder and Director, Boltzmann Labs.

Roche & NIPER collaborates to Strengthen Research

NIPER Raebareli signed a Memorandum of Understanding (MoU) with Roche Pharma India to foster academic collaboration and advance pharmaceutical education and research in India. The MoU was signed in the presence of Shri Manoj Joshi, Secretary, Department of Pharmaceuticals under the Ministry of Chemicals and Fertilizers, at Shastri Bhawan, New Delhi. This strategic partnership aims to bridge the gap between academic learning and real-world industry practices by equipping students and faculty with valuable insights into the evolving pharmaceutical and regulatory landscape. Under the MoU, Roche and NIPER Raebareli will collaborate



on initiatives such as a certificate programme in regulatory affairs for students and industry professionals, guest lecture series by industry experts on emerging trends including AI-driven pharmaceutical research, drug development and healthcare innovation to strengthen practical industry understanding.

MoU with UPSIFS

The National Institute of Pharmaceutical Education and Research Raebareli, along with its Centre of Excellence (CoE) in Novel Drug Delivery Systems (NDDS), entered into a Memorandum of Understanding (MoU) with the Uttar Pradesh State Institute of Forensic Sciences (UPSIFS), Lucknow, on 26 February 2026. The MoU was signed by **Prof. Shubhini A. Saraf, Director, NIPER Raebareli**, and **Dr. G. K. Goswami, Founder Director, UPSIFS**, marking an important step towards fostering collaboration in research.

Quiz on Science Day

National Science Day celebrated at National Institute of Pharmaceutical Education and Research, Raebareli with an exciting Quiz Competition, witnessing enthusiastic participation from students who showcase their scientific knowledge, curiosity, and competitive spirit.

Girl students visited NIPER-Raebareli



Girl students from different Schools – Jawahar Navodaya Vidyalaya (PM SHRI JNV), Army Public School (APS), Kendriya Vidyalaya (KV), and Government Girls' Inter College (GGIC), Ayodhya under the Vigyan Jyoti Scheme visited NIPER-Raebareli. The session focused on career opportunities especially in Pharmacy and Pharmaceutical Sciences.

lecture by Prof. Banerjee

NIPER-Raebareli successfully hosted an insightful **guest lecture** by **Prof. U. C. Banerjee**, Emeritus Professor, Department of Biotechnology, Amity University, Mohali, and former Dean & Head, Dept. of Pharmaceutical Technology (Biotechnology), NIPER S.A.S. Nagar.

RESEARCH & INNOVATIONS

Dr. Sandeep Chaudhary, Associate Professor, and Nandini, PhD Scholar, published their review article titled “Earth-Abundant Transition Metals Catalyzed Alkylation, Alkenylation, and Alkynylation of Arenes via Cross Dehydrogenative Coupling (CDC): Synthetic Strategies and Mechanistic Pathways” in the prestigious journal *Topics in Current Chemistry* (Springer Nature, Impact Factor: 8.8).

Dr. Ravinder Kaundal and Chandan Chauhan, Ph.D. Scholar, Dept. of Pharmacology & Toxicology, published their research article titled “Senegenin attenuates LPS-induced neuroinflammation and microglial cell death via Akt phosphorylation and suppression of cGAS-STING-NLRP3 signaling: Network pharmacology and experimental validation” in the prestigious *Journal of Ethnopharmacology* (Impact Factor: 5.4).

Research team led by **Dr. Ravinder Kaundal** had their review article titled “*Endoplasmic Reticulum–Mitochondrial Crosstalk in Calcium Regulation: Mechanistic Insights and Therapeutic Implications in Traumatic Brain Injury*” accepted in the prestigious journal **Molecular Neurobiology**.

Ph.D. scholars Anjuman Nanda and Shivam K. Pandey’s **research titled**: “*Neurofilament light chain protein exposure contributes to protein aggregation, microgliosis, astrogliosis and neuroinflammation via p38/MK2/NF-κB/CREB/Nrf2/HO-1 signalling leading to Parkinson’s disease*” has been published in *International Journal of Biological Macromolecules* (Impact Factor: 8.5).

A research work titled “*A Divergent Synthetic Approach to Tricyclic Furo[3,2-e]indolizines via Base-Mediated Tandem Annulations of Diethyl Malonate with Aromatic Bromomethyls*” by **Dr. Sandeep Chandrashekarappa** and his research team published in the journal **RSC Advances** (Impact Factor: 4.6).

Dr Avtar Singh Gautam, and Ms. Anju from the Department of Pharmacology & Toxicology published their research article entitled: “*Treatment with Interleukin-17A antibody restored behavioral and neuronal biomarkers in Amyloid-beta1-42-exposed model of Alzheimer’s disease*” in the *International Journal of Biological Macromolecules*.

Dr. Rakesh Kumar Singh, Department of Pharmacology and Toxicology with Dr. Sandeep Chandrashekarappa, Department of Medicinal Chemistry & their research team published a research article in *Journal of Molecular Structure of Elsevier* entitled “*Design and Synthesis of 3,5-Dibromopyridinium Salts and Indolizine-Based Molecules as Potential Anti-Inflammatory Agents: Experimental and Computational Investigations*”

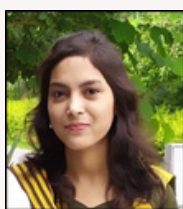
Avtar Singh Gautam’s (PhD Scholar, Department of Pharmacology & Toxicology) study titled “*Chrysin Inhibited Aβ₂₅₋₃₅ Induced IL-17 Receptor Signalling Through Act1-TRAF6-NF-κB Axis in Rat Peripheral Blood Mononuclear Cells*” has been published in the *Journal of Biochemical and Molecular Toxicology* by Springer Nature.

Dr. Awesh K. Yadav, Dr. Ravinder Kaundal, and their research group publication titled “*Berberine Chloride-loaded Polymeric Lipid Hybrid Nanoparticles Ameliorate Cognitive Discrepancy by Reducing Phosphorylation of Tau at Threonine 231*” published in **Nanomedicine: Nanotechnology, Biology, and Medicine** (Elsevier)

1st Position in Presentation

Ms. Jyoti Trivedi, Research Assistant, Department of Pharmaceutics, secured **1st Position in Oral Presentation** along with a cash prize of ₹2000 at the

International Conference on "Green NanoCon: Pioneering Sustainable Nanotechnology and Chemistry". The conference was organized by Amity Institute of Pharmacy, Amity University Uttar Pradesh, Lucknow, from 16-18 February 2026.

Young Scientist Award

Ms. Sofiya Tarannum, Ph.D. Scholar, Department of Pharmaceutics, awarded with the Young Scientist Award (UG/PG/Ph.D.) with a cash prize of ₹3000/-

during the Two-Day National Symposium on "Green Nanomedicine-2025", held from 22nd to 23rd December 2025 at the Advanced Centre for Sustainable Bioinspired Materials, Department of Life Sciences, Sharda University, Greater Noida (UP), India.

Winner in National Symposium

Pramoda G, PhD scholar Won the Young Scientist Award of Rs 5000 in Young Scientist Award during the Two-Day National Symposium on "Green Nanomedicine-2025" organized by

Department of Life Science, Sharda School of Bio-Science and Technology, Sharda University, on 22nd - 23rd December 2025.

Sponsored by: Department of Biotechnology, Government of India, CSIR and ANRF

3rd Prize in Poster Award

Gijith Mohan K M, PhD Research Scholar, Department of Pharmaceutics, NIPER - Raebareli, for securing the 3rd Prize - Best Poster Award (PhD Category)

at the National Conference on "Translational Research: New Horizons in Pharmaceutical Sciences for Viksit Bharat". The conference was held at GSVM Medical College, Kanpur, Uttar Pradesh on 13th February 2026.

Runner Up in Symposium

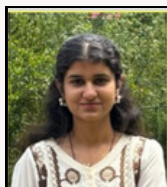
Sanika Patil, M.S. Pharm student was Runner Up in Young Scientist Award during the Two-Day National Symposium on "Green Nanomedicine-2025" organized by

Department of Life Science, Sharda School of Bio-Science and Technology, Sharda University, on 22nd -23rd December 2025
Sponsored by: Department of Biotechnology, Government of India, CSIR and ANRF.

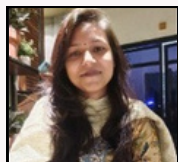
Award at IC-OSAM 2026

Surbhi Mahender Saini, PhD Research Scholar, Department of Medicinal Chemistry, won the Best Oral Presentation Award at the International Conference on Organic Synthesis and

Advanced Materials (IC-OSAM 2026) held at NIT Warangal, Telangana (26-28 February 2026).

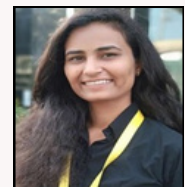
2nd Prize at ICAR-APRPB 2026

Ms. Gitika (M.S. Pharm. Student), Dept. of Medicinal Chemistry won 2nd Prize in Oral Presentation at ICAR-APRPB 2026, organized by Axis Institute of Pharmacy, Kanpur (21-22 Feb 2026), under the supervision of **Dr. Chandrashekarappa**.

1st Prize in Oral Presentation

Ms. Priya Tiwari (Ph.D. Scholar), Dept. of Medicinal Chemistry, won 1st Prize in Oral Presentation at ICAR-APRPB 2026, organized

by Axis Institute of Pharmacy, Kanpur (21-22 Feb 2026), under the supervision of Dr. Sandeep Chandrashekarappa.

Vaishnavi won 2nd Prize

Ms. Suryawanshi Vaishnavi Rajendra secured the 2nd Prize - Best Poster Award (B. Pharm./M. Pharm. Category) at the National Conference on

"Translational Research: New Horizons in Pharmaceutical Sciences for Viksit Bharat" held at GSVM College.

Best Poster Presentation

Pallavi Upadhyay, PhD Scholar, Department of Pharmacology and Toxicology, received the Best Poster Presentation Award at the 5th Conference on

Drug Discovery & Development in New Millennium. This conference was organised by the Department of Pharmacology & Toxicology, National Institute of Pharmaceutical Education and Research (NIPER), S.A.S. Nagar, Punjab.

Best Oral Presentation

Harapriya Baral, PhD Scholar, Department of Pharmacology & Toxicology, received the Best Oral Presentation Award at the 5th Conference on

Drug Discovery & Development in New Millennium. This conference was organised by the Department of Pharmacology & Toxicology, National Institute of Pharmaceutical Education and Research (NIPER), S.A.S. Nagar, Punjab.

Second Prize at the Conference

Ms. Shivani Bhardwaj, PhD Scholar at NIPER Raebareli, secured the Second Prize for Best Oral Presentation at the Conference on Women in Academia,

Research and Management for Work-life Initiative for Sustainable Health & Employing Safety (WARM-WISHES), held on March 12-13, 2026. The conference was organized by CSIR-Indian Institute of Toxicological Research (IITR), Lucknow.

GATE - 2026 Qualifier

Mr. Sushant Santoshrao Mahajan, Ms. Madhavi Narayanrao Dudhe, Mr. Rutikesh Sanjay Shende, Mr. Jaydev Kushwaha, Ms. Sanjana Nishad from the "Department of Biotechnology" qualified GATE 2026 conducted by IIT Guwahati.



GATE BT & XL
BT AIR - 474
XL AIR - 3594



GATE BT
BT AIR - 2006



GATE BT
BT AIR - 3675



GATE BT
BT AIR - 4053



GATE BT
BT AIR - 4189

Research Article Featured in Newspaper

Itishree Dubey, PhD scholar, and her supervisor, Dr. Sapana Kushwaha, Assistant Professor, Department of Pharmacology and Toxicology, published a research article titled "Chronic Stress Destabilizes Ectoplasmic Dynamics in the Rat Testis via Downregulating

Indian scientists find molecular pathways that affect sperm health
Stress link to male infertility

New Delhi: Two researchers in India have uncovered key molecular pathways through which chronic psychological stress undermines male fertility, shedding light on a link recognized for more than four decades but long poorly understood.

stress-related reproductive disorders. "In fact, the stress doesn't act all at once - it builds up," Kushwaha, assistant professor at the National Institute of Pharmaceutical Education and Research (NIPER) in Raebareilly, who led the study told The Telegraph.

the Focal Adhesion Kinase-associated Protein Complex" in Reproductive Sciences, which has also been featured in the newspaper of The Telegraph in January 2026.

उच्च गुणवत्ता का शोध ही भविष्य : प्रो. शुभिनी लखनऊ। सरोजिनी नगर स्थित राष्ट्रीय औषधीय शिक्षा एवं अनुसंधान संस्थान (नाइपर), रायबरेली की निदेशक प्रो. शुभिनी ए सराफ के मुताबिक उच्च गुणवत्ता के शोध से ही भविष्य की बेहतर चिकित्सा का रास्ता खुल सकता है। निदेशक सोमवार को संस्थान में शोध की गुणवत्ता पर हुए सेमिनार में बोल रही थीं। गुणवत्ता को गुरुआत प्रयोग शुरू होने से पहले ही हो जाती है, जिसमें विषय की स्पष्टता, सही मॉडल और सामग्री का चुनाव, प्रयोगशाला में अनुशासन, नैतिक नियमों का पालन और डाटा का ईमानदारी से विश्लेषण शामिल है। एएस नई दिल्ली के एनॉटमी विभाग के पूर्व हेड प्रोफेसर टीएस रॉय ने प्रशिक्षण के दौरान प्रतिभागियों को माइक्रोस्कोपी और इम्यूनोफ्लोरोसेंस जैसी तकनीकों के साथ-साथ प्रयोगशाला प्रशिक्षण से जुड़ी तकनीकी-जानकारी भी दी। डॉ. अशोक कुमार दातुसालिया ने अतिथियों और प्रतिभागियों का आभार जताया। (भाई सिटी रिपोर्टर)

अमर उजाला, लखनऊ

नाइपर रायबरेली रिसर्च में गुणवत्ता पर चर्चा करने जुटे मेडिकल विदेशज्ञ



रायबरेली में शिबिर का अंतिम दिन का दृश्य। डॉ. अशोक कुमार दातुसालिया ने अतिथियों और प्रतिभागियों का आभार जताया।

RESEARCH & INNOVATIONS

Dr. Sandeep Chandrashekhara and his research team's research published an article entitled "A Pyrrole Formation during the Synthesis of Novel Pyrrolo[1,2-a]imidazole via Cycloaddition Reaction of Imidazolium Salts with Electron Deficient Acetylenes" in Asian Journal of Organic Chemistry.

Dr. Sandeep Chandrashekhara and his research team's research article entitled "DDQ-promoted Synthesis of 2-Benzoylbenzofurans and Benzofuro[2,3-c]pyridines Using 2'-Hydroxy Ethyl Cinnamate and Phenacyl Bromides" accepted in RSC Advances.

Dr. Ravinder Kaundal's team research article entitled "4-(1-Methylethoxy)-N-(2-methyl-8-quinolinyl)-benzamide (CDN1163) Attenuates Glutamate-Induced Excitotoxicity by Suppressing ER-Stress and Restoring Mitochondrial Dynamics in N2a Cells" accepted in ACS Chemical Neuroscience.

The review article "Engineering Rules for Optimizing Antimicrobial Peptides from Sequence to Translation" of Department of Pharmaceutics and Department of Biotechnology accepted in the prestigious Chemical Engineering Journal.

Prof. Nihar Ranjan and his research team published a research article titled "Effect of Dimerization on Nucleic Acid Binding and Sensing of a Styryl-Quinolinium Molecular Rotor: Spectroscopic Insights to Aggregation" in the New Journal of Chemistry (Royal Society of Chemistry)

Dr. Rahul Shukla and his research team's research paper titled "Utilizing Extracellular Vesicles for Delivering Therapies in Neurodegenerative Disorders" accepted in the reputed journal Current Drug Delivery (Impact Factor: 3.0).

Dr. Nidhi Srivastava and her research team published their review article entitled "Unmasking the role of tumor microenvironment in the advanced stage of cancer treatment to mitigate risks during chemotherapy" in the journal Biochemical Pharmacology (Impact Factor: 5.6)

Dr. Nidhi Srivastava and the team, Department of Biotechnology, NIPER-Raebareilly, published an insightful article "Breaking Resistance: Strategies for novel antibacterial therapeutic interventions" in Molecular Biology Reports (Impact Factor: 2.8).

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राष्ट्रीय औषधीय शिक्षा एवं अनुसंधान संस्थान, रायबरेली

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