

Quarterly

NEWSLETTER

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January – March 2026



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NIPER HAJIPUR

EPIP Industrial Area, Hajipur, Vaishali, Bihar



Department of
Pharmaceuticals

सत्यमेव जयते

Director's Message



It is my pleasure to present the first Quarterly Newsletter of the National Institute of Pharmaceutical Education and Research (NIPER), Hajipur. This newsletter highlights the vibrant academic, research, and outreach activities at our institute over the past quarter.

At NIPER Hajipur, we remain committed to excellence in pharmaceutical education, cutting-edge research, and meaningful contributions to the healthcare sector. The achievements and initiatives highlighted in this issue showcase the dedication of our students, faculty members, and staff in advancing knowledge and driving innovation.

I hope this newsletter serves as a valuable platform to share our progress, accomplishments, and collaborative efforts with the broader academic and scientific community. I extend my congratulations to everyone who has contributed to the activities featured in this edition and wish the institute continued success in the days ahead.

Prof. K. Ruckmani
Director, NIPER Hajipur



Faculty and Staff News

- Faculty members from the Department of Pharmacology and Toxicology have secured two research grants from the **Central Council for Research in Unani Medicine (CCRUM), Ministry of AYUSH**, Government of India.
- One project titled **“Therapeutic Potential of Selected Unani Formulation in Obesity and Metabolic Dysfunction-Associated Steatohepatitis (MASH): An In Silico, In Vitro, and In Vivo Evaluation”**, led by Dr. Nitesh Kumar (PI) and Dr. Venkateswara Rao Amara (Co-PI), has been awarded a fund of ₹32.50 Lakhs.
- The second project, **“Mechanistic exploration of Unani formulation (oral tablet of Majoon Najah) on cognitive deficits through cAMP/PKA/CREB-mediated synaptic remodelling in a rat model of vascular dementia”**, led by Dr. Sanjiv Singh (PI), has been awarded a fund of ₹28.92 Lakhs.



Dr. Nitesh Kumar
Assistant Professor



Dr. V.R. Amara
Assistant Professor



Dr. Sanjiv Singh
Assistant Professor

- NIPER Hajipur is delighted to welcome three new staff to the Institute



Mr. Dhiraj K Saha
Estate and
Security Officer



Mr. Manish Poswal
Public Relation
Officer



Mr. Vishwanath Kumar
Receptionist cum
Telephone Operator



Conferences / Symposium / Expert Talks

Expert Lecture on Multiple Sclerosis Pathology

On 20th January, a lecture on “**Modelling of Progressive Multiple Sclerosis-like Cortical Pathology in Mice**” was delivered by Dr. Mithilesh Kumar Jha and Dr. Sanjay Kumar (MIT, Muzaffarpur), along with Dr. Bhavya Ojha (University of Southern Denmark). The session highlighted mouse models for studying multiple sclerosis-like pathology and encouraged academic exchange.

Hands-on Training in HPLC Techniques

A two-day hands-on training course on “**HPLC-Based Analytical Techniques in Pharmaceutical Research**” was conducted on January 28th and 29th, in collaboration with Spincotech Pvt. Ltd. 37 participants from nearby institutes, along with NIPER students, attended the training program. Practical training in HPLC, including sample preparation, method development, and data interpretation, was done. Interactive discussions enhanced participants’ understanding of real-world applications, and the course concluded with certificate distribution.



Expert Lecture on Research Grants Management

On 20th February, **Dr. Ajay D. Pillai**, Scientist E and In-Charge, Project Management Cell at National Centre for Cell Science (NCCS), Pune, delivered an expert talk on “**Enabling Discovery: Improving Research through Grants Management.**” The session enhanced understanding of proposal writing, budgeting, national/international funding strategies, and risk mitigation.

International Symposium on Novel Biologics and Biosimilars



NIPER Hajipur organised a two-day International Symposium “**Novel Biologics & Biosimilars: Towards Translational Research – 2026**” on 11th and 12th March. The event brought together global experts from academia, industry, and research institutions to discuss breakthroughs in biologics, biosimilars, and translational pipelines while promoting high-impact collaboration.

Expert Seminar on Biological Therapeutics

The institute hosted the Expert Seminar on Biological Therapeutics from 23rd to 24th March. The seminar brought together eminent scientists and experts for core discussions on biological therapeutics, molecular immunobiology, and vaccinology, strengthening the mandate of our Centre of Excellence (CoE) in Biological Therapeutics.





Placement / Student Achievements



Aishwarya Dande, Ph.D. Scholar, Department of Pharmaceutical Analysis secured the position of Assistant Manager / Research Scientist (ADL - Mass Spectrometry) at **INTAS Biopharmaceuticals Ltd, Ahmedabad.**



Pallaprolu Nikhil, Ph.D. Scholar, Department of Pharmaceutical Analysis joined as Manager II in the **Sun Pharmaceutical Limited (R&D), Vadodara.**



Pothuraju Naresh, Ph.D. Scholar, Department of Pharmaceutical Analysis has been appointed as Assistant Professor in Pharmaceutical Quality Assurance department at **Manipal College of Pharmaceutical Sciences, MAHE, Manipal.**

Penumaka Sudha Madhavi, a Ph.D. Scholar in the Department of Biotechnology, received the **Best Poster Presentation Award** at the **'Women Force 2026'** symposium organised by IIT Gandhinagar, held from 26th to 28th February.

Komal (M. Pharm, Pharmacy Practice) is selected as Pharmacist at **AIIMS Bhopal, Madhya Pradesh.**



Mukesh Kumar Gupta (M. Pharm, Pharmacy Practice) is selected as Pharmacist at **AIIMS Awantipora, Jammu & Kashmir.**

Mahesh Parmar (M.S. Pharm, Pharmaceutical Analysis) Qualified the M.P. Pharmacist 2025 Examination and secured an impressive **06th Rank.**



Suraj Ramesh Suryawanshi (M.S. Pharm, Pharmaceutical Analysis) Qualified the **AIIMS CRE 2025** examination for the Pharmacist post.

☐ Congratulations to the students qualified in GATE 2026



Sonal Pradhan
M.S. Pharm (2nd Year)
Pharmaceutical Analysis



Gayatri Koch
M.S. Pharm (2nd Year)
Pharmacology & Toxicology



Shivanshu Mishra
M.S. Pharm (2nd Year)
Pharmacology & Toxicology



Subhasish Sarkar
M.S. Pharm (2nd Year)
Pharmacology & Toxicology



G.V.N Jahnvi
M.S. Pharm (2nd Year)
Pharmacology & Toxicology



Kanchan
M.S. Pharm (2nd Year)
Pharmacology & Toxicology



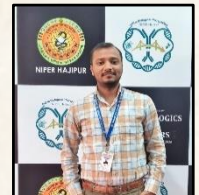
Radhika Prajapati
M.Tech (1st Year)
Biotechnology



Antima
M.Tech (1st Year)
Biotechnology



C. M Sangeetha
M.Tech (1st Year)
Biotechnology



Rahul Gupta
M.Tech (1st Year)
Biotechnology



Events / Cultural Activities

Visit of Hon'ble Vice-Chancellor, BASU



On 2nd January, Dr. Inderjeet Singh, Vice-Chancellor of Bihar Animal Sciences University (BASU), visited the institute. The visit strengthened institutional ties and explored opportunities for academic exchange, collaborative research, and joint educational initiatives. A MoU between the two institutes is in process.



Comprehensive Eye Check-up Camp



On January 23, an eye check-up camp was organized in the Seminar Hall in collaboration with Centre for Sight. A total of 65 students, staff, and faculty members participated and underwent comprehensive eye screening, promoting awareness and care for eye health within the institute, while also encouraging regular eye examinations and preventive measures.

Republic Day Celebration

The 77th Republic Day was celebrated on 26th January with active participation from faculty and staff. Director Prof. K. Ruckmani addressed the gathering, highlighting the significance of the Constitution and inspiring everyone to uphold the values of justice, equality, and liberty.



Alumni Meet 2026

Alumni Meet–2026 was held on January 26th in a hybrid mode. A total of 96 alumni, of whom 03 attended in person and others joined through video. The meet served as an important platform for reconnecting with alumni and strengthening engagement and collaboration between alumni, faculty, and staff.



Voluntary Blood Donation Camp



A blood donation camp was organised on 19th February under proper medical supervision and safety protocols. Students, Faculty and Staff voluntarily donated their blood with active participation. The event promoted awareness about the importance of blood donation and community service.



Events / Cultural Activities

Pharmacovigilance & Medical Device Safety Outreach

The Regional Training Centre – Materiovigilance Programme of India (RTC–MvPI) at NIPER Hajipur conducted several outreach and training programmes from January to March under the leadership of Dr. Sameer Dhingra, and support from Dr. Krishna Murti and Ms. Amima Arshad. The initiatives enhanced awareness and reporting of medical device-related adverse events across clinical, community, and academic sectors.



International Women's Day & World Glaucoma Week



The institute celebrated International Women’s Day and World Glaucoma Week on 9th March through an awareness programme on women’s empowerment and eye health. Prof. K. Ruckmani, Ms. Nikita Kashyap, and Dr. Kajal Priya addressed the gathering, highlighting gender equality, women’s rights, and the importance of early glaucoma detection.



Hindi Workshop

The Hindi Cell organised a one-day Hindi workshop on 13th March for faculty and staff. The workshop focused on official note-taking and effective communication in government work. Mr. Keshav Tripathi delivered an insightful session.

Annual Sports Week - INFINTO 2026

NIPER Hajipur organised its annual Sports Week, INFINTO, from 13th to 20th March 2026, promoting teamwork, sportsmanship, and healthy competition among students and staff. The event was inaugurated by Director Prof. K. Ruckmani, who highlighted the importance of sports for physical and mental well-being. The week concluded with a prize distribution ceremony.



Educational Outreach: Laboratory Tour for S.M.S. Inter School



On 25th March, thirty students and eight teachers from S.M.S. Inter School, Dighi, Hajipur, visited NIPER Hajipur. They toured state-of-the-art laboratories, interacted with faculty members, and learned about pharmaceutical education, research, and career opportunities. The visit provided an enriching experience and encouraged students to pursue science and research.



Publications / Patents

Journal Articles

- Bhat VN, Gaikwad VL. Targeting P-glycoprotein-mediated drug resistance: in silico screening and in vitro evaluation of phytochemicals. *Tenside Surfactants Detergents*. 2026, 63(2), 108-126.
- Sharma S, Kunjir S, Dhyagala S, Sahu A, Natesan S, Malayandi R. Process optimisation, pharmaceutical characterisation, and in vitro activity of mesalamine nanocrystals in PMA-differentiated THP-1 cell lines in the late inflammatory and profibrotic phase. *AAPS PharmSciTech*. 2026, 27(2):91.
- Pallaprolu N, Dande A, Dhingra S, Pandey K, Velayutham R, Peraman R. Multiomics insights into the immune response following ChAdOx1 nCoV-19 vaccination in people living with HIV. *Journal of Pharmaceutical and Biomedical Analysis*. 2026 (In Press).
- Sinha P, Gaikwad VL, Mandal D, Bhargav E, Gajbhiye RL, Peraman R. Integrated stability and metabolomic investigation of new rifampicin and isoniazid co-loaded liposome against tuberculosis. *Drug Development and Industrial Pharmacy*. 2026, 52(3):522-536.
- Achrekar SS, D'Cruz CEM, Dighe PK, Bobde SS, Fernandes A, Mahajan AA, Kumar L, Shirodkar RK. Development of ciclopirox olamine loaded cubosomal patch for fungal infections. *Tenside Surfactants Detergents*. 2026, 63(3):157-175.
- Kaur RJ, Gomaz SB, Shaurya R, Aggarwal P, Porchezian P, Dhingra S, Sidhu P, Ambwani S, Charan J. Disproportionality analysis of semaglutide-associated bile-duct cancer: A VigiBase study. *Indian Journal of Gastroenterology*. 2026 (In Press).
- Nayak S, Karmakar A, Shinde S, Kumar L. Development of diclofenac acid encapsulated transferosomal gel with enhanced antioxidant and anti-inflammatory activities for the management of musculoskeletal pain. *AAPS PharmSciTech*. 2026, 27:68.
- Chhabra V, Bartwal SS, Hameed S, Kumar N. Orexin 2 receptor crosstalk with GLP1-R reveals dual therapy for improvement of sleep deprivation-induced obesity: an integrated network pharmacology, molecular docking and molecular dynamics simulation approach. *Molecular Diversity*. 2026 (In Press).
- Sharma A, Abubakar M, Yadav R, Sarika S, Sharma R, Lal UR, Kapoor VK, Rai SN, Kumar N, Goyal R. A multi-faceted pharmacology of Pistacia Integerrima mitigating asthma: a review on ethnopharmacology, phytochemicals, mechanisms, and formulations. *3 Biotech*. 2026, 16(1):61.

Book Chapters

- Hoque S, Barwa R, Pawar H, Bangari R, Sangshetti J, Gaikwad V. Nanogel: cure for fungal diseases. In: *Nanotechnology Applications for the Diagnosis and Therapeutic Treatment of Fungal Diseases*. San Diego: Academic Press; 2026.
- Sarkar R, Ghoshal RK, Moulick SK, Ambawatiya A, Kumar N, Adhikary K. Vitamin deficiencies, aging, and cognitive decline. In: *Vitamins and Neurodegeneration*. Boca Raton: CRC Press; 2026.
- Goyal K, Dahiya R, Abubakar M, Bishnoi M, Hameed S, Kumar N. Role of B vitamins in cognitive health. In: *Vitamins and Neurodegeneration*. Boca Raton: CRC Press; 2026.
- Bisht P, Nama L, Murti K, Kumar N. Risk-based early detection strategies. In: *Advancements in the Treatment and Prevention of Breast Cancer*. San Diego: Academic Press; 2026.
- Bhushan R, Abubakar M, Chavan PR, Pandey R, Jamadade MS, Murti K, Kumar N. Immunotherapy-resistant glioblastoma. In: *Chemoresistance in Glioblastoma: Understanding and Management*. San Diego: Academic Press; 2026.
- Nama L, Choudhary K, Murti K, Kumar N. Pharmaceutical applications of nanocomposites. In: *Nanocomposites and Nanomaterials in Biomedical Applications*. Palm Bay: Apple Academic Press; 2026.

Patents

- Design Patent Granted: "MET-CARDIO PEN: Portable Biosensor Device for Cardio-Risk Assessment" filed by Krushna Ch. Maharana and Dr. Sanjiv Singh. Applied on 20 November 2025 and officially granted on 08 January 2026.
- Patent Filed: "Biosensor-Based Device to Detect Cancer" filed by Satyam Sharma, Sanjiv Singh, Moitrai Chakraborty, Bhaskar Jyoti Dutta, Krishna Priya Jha, and Dheeraj Saini.



Editorial Board

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- Dr. Krishna Murti
- Dr. Vinod L. Gaikwad
- Sh. Karan Kumar

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