SHIV NADAR
INSTITUTION OF EMINENCE DEEMED TO BE
UNIVERSITY
DELHI NCR

SCHOOL OF NATURAL SCIENCES

The NATURAL SCIENCES Quarterly

January-March 2026

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Letter from the Editor

Srijita Banerjee

Academic Associate,
School of Natural Sciences

The first quarter of 2026 has been a vibrant and energizing time at the School of Natural Sciences. As this issue of ***The Natural Sciences Quarterly*** came together, it became clear that it reflects more than a record of activities—it captures a community deeply engaged in research, dialogue, and discovery. From conferences and workshops to faculty recognitions and student achievements, the momentum of scientific inquiry continues to grow across disciplines. The School hosted seven major conferences and workshops this quarter—an achievement in itself, along with numerous other events that enriched our academic landscape.

A special highlight of this issue is ***Paths into Science: Voices of the Women in Science @ Shiv Nadar University.*** These reflections offer thoughtful glimpses into the journeys of women researchers, shaped by curiosity, resilience, and purpose. Celebrations such as the International Day of Women and Girls in Science, National Science Day, and International Women's Day further reminded us why these voices matter—they inspire and strengthen the future of science.

This quarter also brought me great joy in curating photographs of migratory birds at the SNU lake. While the lake hosts diverse birdlife year-round, winter transforms it into a lively haven of visiting species, some of which are featured here.

I was equally delighted by the cover art, which beautifully reflects how our researchers nurture creativity alongside their scientific pursuits.
I hope this issue reflects the shared energy and steady progress of our community.

Happy reading!

Cover photo credits - Pallavi Chakraborty, Department of Life Sciences, SNS for the Vascular Biology Symposium (VBS) 2026.

From the Dean’s Desk

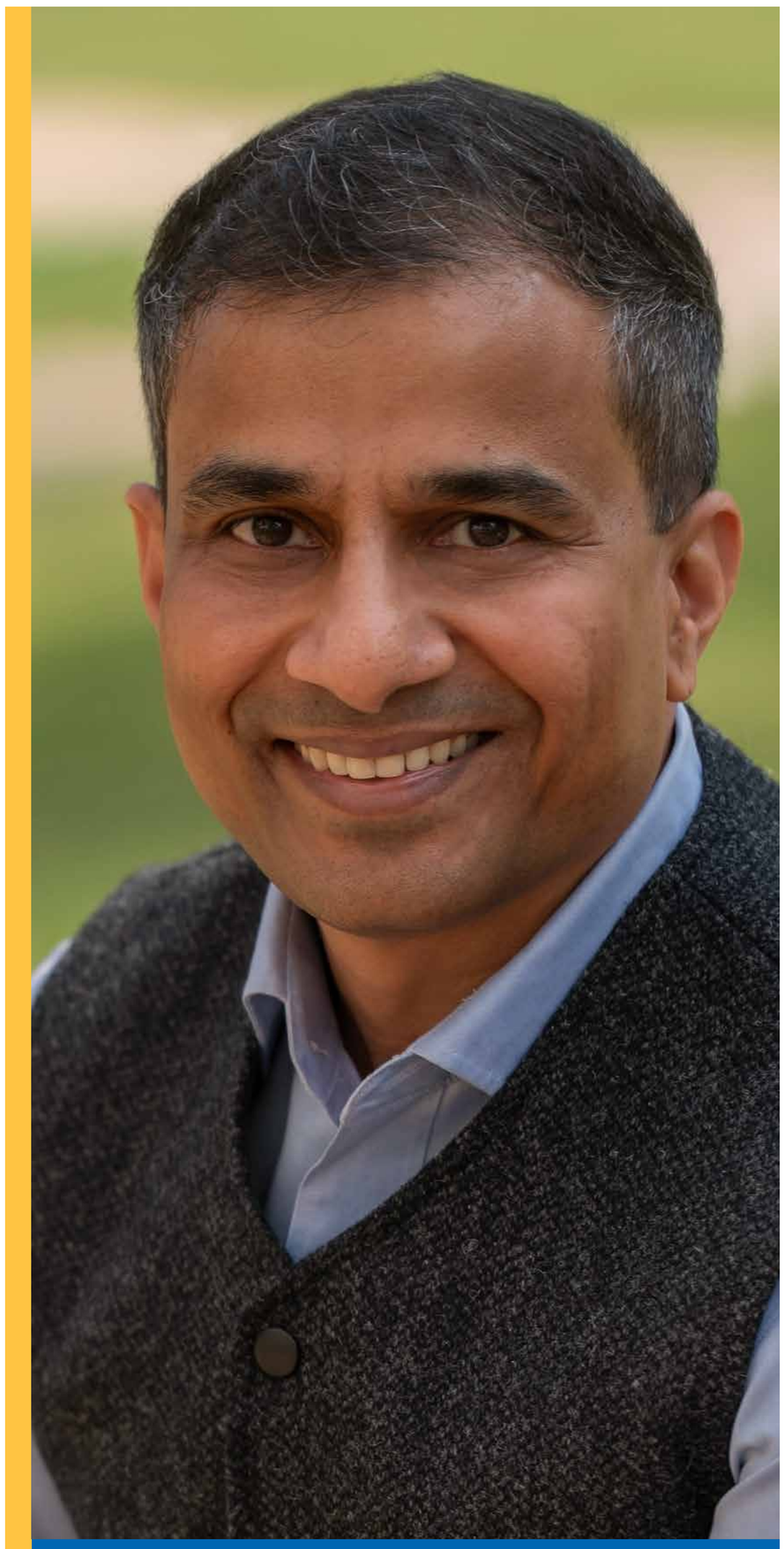
The opening quarter of 2026 reflects the School of Natural Sciences’ continuing evolution as a research-led academic institution committed to advancing knowledge through depth, interdisciplinarity, and global engagement. The breadth of activity represented in this issue demonstrates not only disciplinary strength across chemistry, life sciences, physics, and mathematics, but also the increasing convergence of these fields around complex scientific challenges.

What is particularly significant is the manner in which our academic ecosystem is expanding beyond conventional boundaries. The international conferences and collaborations hosted this quarter underscore a larger institutional shift: science today is shaped through networks rather than silos, and meaningful progress depends on the ability to build bridges across institutions, sectors, and geographies. Our partnerships, visiting scholars, and collaborative research initiatives are integral to this vision, positioning SNS as a contributor to globally relevant scientific discourse.

Equally important is our emphasis on cultivating translational relevance without losing sight of foundational inquiry. The patents, funded projects, and high-impact publications featured in this issue reflect a research culture that values both discovery-driven science and its societal applications—from sustainable materials and energy systems to biomedical innovation and computational modelling. This balance is essential if universities are to remain not only producers of knowledge, but architects of future-ready solutions.

Our students remain central to this mission. Their growing presence in competitive fellowships, international internships, scholarly presentations, and award platforms is evidence of a robust mentoring environment that prepares them not merely to participate in science, but to shape its future directions. As we strengthen faculty capacity and deepen institutional partnerships, our priority remains clear: to foster an academic culture where rigorous inquiry, critical thinking, and collaborative imagination can flourish.

I thank our faculty, researchers, students, and staff for sustaining this momentum. Their collective commitment continues to define the intellectual character of the Shiv Nadar School of Natural Sciences, and its role in shaping the scientific conversations of tomorrow.



Prof. Sanjeev Galande

Dean, School of Natural Sciences

Conferences and Symposia at SNS

Cellular and Molecular Mechanisms of Development and Regeneration (CMMDR 2026) Conference

From 6–9 January 2026, the Department of Life Sciences organised the Cellular and Molecular Mechanisms of Development and Regeneration (CMMDR 2026) conference, which brought together researchers exploring fundamental biological processes and regenerative biology. This four-day event featured plenary sessions, invited talks, and poster presentations providing a platform for interaction and collaboration among scientists, postdocs, and students. The conference included talks by several outstanding researchers spanning developmental biology, stem cells, regeneration, metabolism, and disease modelling, offering a rich and stimulating scientific program.

Second International Conference on Sustainable Nanomaterials Integration & Organization for Energy and Environment (iSNIOE²-2026)

The Department of Physics successfully organised the Second International Conference on Sustainable Nanomaterials Integration & Organization for Energy and Environment (iSNIOE²-2026) on 19–22 January 2026. It attracted over 180 participants from India and abroad, including researchers from universities, national laboratories, and industry. The scientific programme featured more than 130 plenary, keynote, invited, oral, and poster presentations, enabling rich exchanges across experimental and theoretical domains including sustainable nanomaterials, quantum and functional materials, spintronics, flexible devices, renewable energy technologies, and environment-focused materials research. The conference placed strong emphasis on student participation, with outstanding student contributions recognized through awards supported by the Institute of Physics (IoP) and the American Chemical Society (ACS).

Modern Aspects of Green and Sustainable Chemistry (MAGSuC-2026)

The Department of Chemistry organised MAGSuC 2026 on 27–30 January 2026, a four-day international event comprising a hands-on workshop followed by a symposium. The event was aimed at advancing research in Green and Sustainable Chemistry through active engagement between academia and industry. It covered diverse thematic areas including covalent organic frameworks (COFs) and covalent organic nanotubes (CONTs), electrocatalysis, asymmetric and transition-metal catalysis, medicinal chemistry, supramolecular and chemical biology, and computational catalysis.

Chemistry Fair 2026

The Department of Chemistry organised Chemistry Fair 2026 on 6 February, welcoming nearly 160 students from Grades 9–12 along with their teachers. The event featured live demonstrations, interactive experiments, quizzes, and faculty–student interactions, serving as an engaging outreach initiative to inspire scientific curiosity, encourage hands-on learning, and promote meaningful scientific discussions among school students.

PRINCIPIA 2026 – Inaugural Student-Led Physics Conference

The Physics Society, in collaboration with the Department of Physics, organised PRINCIPIA 2026, the inaugural edition of their flagship physics workshop, on 7 February 2026. The event featured invited talks, a physics workshop, laboratory demonstrations, an ideathon, an aeromodelling contest, and student poster presentations. A highlight of the conference was a talk by Prof. Deepak Dhar, Padma Bhushan awardee, who delivered an inspiring lecture titled '200 Years of the Study of Phase Transitions.'

Collaboration Meeting with the University of Melbourne

On 11 February 2026, the Department of Chemistry hosted Prof. Muthupandian Ashokkumar, Director of the Melbourne Global Centre Delhi, Deputy Pro Vice-Chancellor (International: South Asia & Middle East), University of Melbourne, and Editor-in-Chief of *Ultrasonics Sonochemistry*. The visit provided a valuable platform to discuss potential academic collaborations between the University of Melbourne and Shiv Nadar University, with a particular focus on undergraduate science education and prospects for B.Sc. blended and dual-degree programs, strengthening international academic partnerships.

Vascular Biology Symposium (VBS 2026)

The Department of Life Sciences hosted the second Vascular Biology Symposium (VBS 2026) on 13–14 February 2026. The symposium brought together prominent researchers from across India working on various aspects of vascular endothelial biology.

One-Day SPARC Workshop on Innovations in Translational Biomedical Research

The Department of Chemistry successfully hosted a One-Day SPARC Workshop on Innovations in Translational Biomedical Research on 13 February 2026 under the SPARC initiative of the Ministry of Education, Government of India. The workshop featured distinguished speakers from leading institutions and enabled interdisciplinary discussions across microbiology, immunology, clinical pathology, chemical engineering, and translational biomedical research, fostering meaningful engagement among researchers, academicians, and students.

International Conference on Photochemistry, Photophysics & Photodynamics (iP3-2026)

The Department of Chemistry organised the International Conference on Photochemistry, Photophysics & Photodynamics (iP3-2026) on 23–25 February 2026 as part of the Advanced Functional Materials for Sustainable Applications (AFMSA 2.0) series. This flagship international conference brought together scientists, scholars, and innovators from across the globe to explore light-driven science and its role in sustainable technologies and next-generation materials, spanning research areas such as small molecules, photoswitches, quantum dots, nanomaterials, and biomolecules. **Prof. Gregory D. Scholes** (Princeton University), Chief Editor of *The Journal of Physical Chemistry Letters* and **Prof. Dario Bassani** (University of Bordeaux), Chief Editor of *Photochemical & Photobiological Sciences* delivered the keynote addresses.

Visit to Inter University Accelerator Centre (IUAC)

The Department of Physics organised an academic visit to the Inter University Accelerator Centre (IUAC) on 6 February, with 25 students participating in the visit. IUAC is an accelerator-based research institute that provides state-of-the-art experimental facilities to researchers across India, as well as to its in-house scientists for advanced research. The visit exposed students to advanced experimental facilities and provided them with a comprehensive understanding of research in nuclear and atomic physics. During the visit, IUAC scientists delivered insightful presentations on the ongoing research at the centre. They also familiarised students with various accelerator facilities, detector systems, and experimental techniques.

A one-day workshop titled ‘Project Insights and Strategic Realignments’ was held at CSIR–National Physical Laboratory (NPL) on 20 February 2026, reviewing ongoing collaborative projects and future academic directions.

Collaborative Academic Initiative—Project Insights and Strategic Realignments

School Outreach Programme in Mathematics

As part of the department outreach programme, Dr. Neha Gupta (Department of Mathematics) delivered lectures for senior secondary students on 30 January 2026 at The School of Raya on Applications of Matrices, and at United World Academy on Fun with Simulations.

On 20 March 2026, undergraduate students from the Department of Chemistry visited the manufacturing unit of Siegwerk India Private Limited in Alwar, Rajasthan. Siegwerk, a global leader in printing inks and coatings for packaging applications and part of a Germany-based group with over 180 years of industrial experience, provided students with exposure to industrial manufacturing processes, printing ink and packaging technologies, professional work environments, and real-world applications of concepts learned in the classroom.

Industrial Visit to Siegwerk India Private Limited

Undergraduate Seminar (MAT399) and Open House

On 26 March 2026, the Department of Mathematics organised an undergraduate seminar, MAT399, aimed at fostering interaction with undergraduate students, and also held an open house for students of Mathematics.

Industry Collaboration

Prof. Bimlesh Lochab has advanced an industry partnership with **Michelin India Private Limited, Pune**, culminating in the signing of a Non-Disclosure Agreement (NDA) to support collaborative research initiatives.

Dean's List Felicitation – Monsoon 2025

The Dean's List Felicitation Ceremony, celebrating outstanding academic performance across undergraduate and postgraduate programmes for the Monsoon 2025 semester, was held on 19 February 2026. The University congratulates all awardees on this well-deserved recognition and wishes them continued success in their academic pursuits.

A special mention goes to **Nandini Singhal (Biotechnology), Varuna Sri Venkatesh (Biotechnology)** and **Harshita Sudabathula (Physics)** for achieving a perfect 10.

The Dean's List awardees are:

Chemistry: Avni Bansal; Sneha Ayalur Kumar; Svayam Kalpesh Shah; Tiya Nitin Garg; Kashvi Jain; Kanishka Aggarwal; Insan Khan

Biotechnology: Shreya S; Rucha Shashin Shobhane; Arshe Razdan; Diwakar G; Tanya Kalia; Aditya Tripathi; Devina Ghose; Kaivalya Neerukattu; Gracy Gaur; Sahana Shanthakumar; Sendhalir Sankar; Anannya K.R

Mathematics: Kiranveer Singh; Aneri Raval; Aryaman Sen; Kripa Amarnath; Sonakshi Ganguli; Jayin Khanna; Shankar Vasudevan; Aparna Karthick Rajesh; Bhavin Gupta

Physics: Parmest Roy; Rohan Banerjee Ravindran; Sashvat Srivastava; Sarvesh Thirunavakkarasu; Swarnabha Debnath; V. Shiv Vale; Arshita Ishaan; Amaresh Ramachandran

Sarus Cranes (*Antigone antigone*)

Leading with Excellence

Congratulations to our Spotlight Faculty members for the quarter!

01 Prof. Bimlesh Lochab

Appointed as the first Associate Editor from India for *ACS Macromolecules*, a prestigious Nature Index journal, in January 2026. In the same month, Prof. Lochab was also awarded the India Institute Women in Research Fellowship at the University of Birmingham.

02 Dr. Tatini Rakshit

Shortlisted as a 2026 Rising Star in Nanoscience by *ACS Nanoscience Au.* In February 2026, she was invited to contribute to the ACS Applied Bio Materials Early Career Forum 2026. Additionally, on National Science Day, ACS highlighted one of her research papers on its official platform.

03 Dr. Ipsita Mandal

Selected as Faculty Associate at the International Centre for Theoretical Sciences (ICTS) in February 2026.

04 Dr. Debarshi Das

Awarded the Royal Society–Newton International Fellowships Alumni Funding for a project titled “Probing Nonclassicality of Gravity and Many-Body Systems,” from 31 March 2026 to 30 March 2027 at University College London (UCL), under the mentorship of Prof. Sougato Bose.

Celebrating Innovation: Patents Awarded

A patent titled **‘Benzoxazine–Sulfur Copolymer and Method for Preparation Thereof’** was granted to Prof. Bimlesh Lochab and Sangeeta Sahu on 25 February 2026.

Dr. Aloke Kanjilal, Dr. Kesavan Komandur, and Dr. Bisweswar Santra were granted a patent for **‘A method of development of nanoporous-WO3/SiC heterostructure photoanodes for efficient solar hydrogen generation’** on 10 March 2026.

Grants and Funding

- **Dr. Tatini Rakshit** was awarded funding under SNF (Shiv Nadar Foundation) Season 3 (2026) for a research project titled ***"Machine Learning Enabled Quantitative Assessment of Chromosomal Instability in Cancer Using Optical Sensor and Atomic Force Spectroscopy Approach,"*** with Dr. S. Allwyn (SSN) and Dr. Soubhik C. (SNU Chennai) serving as Co-Principal Investigators. The project, approved on January 29, 2026, is slated for a three-year duration with a total sanctioned amount of ₹39.57 lakhs.

- **Dr. Sumeet Pal Singh** received support from the Anusandhan National Research Foundation (ANRF) for the symposium project titled ***"Cellular and Molecular Mechanisms of Development and Regeneration,"*** successfully conducted in January 2026, with a total grant of ₹4,50,000.

- **Dr. Rudra Nayan Das** received approval for a grant titled ***"Microenvironmental Control of Angiogenesis in the Anterior Segment of the Eye and Its Dysregulation in a Glaucoma Model"*** under the International Centre for Genetic Engineering and Biotechnology (ICGEB) Collaboration Research Grant scheme for the period 2026–2029, with funding of 45,000 Euros. The project involves collaboration with Dr. Serena Zacchigna, ICGEB, Trieste.

- **Dr. Rudra Nayan Das** (Shiv Nadar Institution of Eminence, Delhi-NCR), in collaboration with Dr. Nimisha Ghosh (Shiv Nadar University, Chennai), have been selected as recipients of the Shiv Nadar Foundation Inter-Institution Collaboration Grants 2025 (SNF Season 3). Their project, titled ***"AI-Driven Identification of Repurposable Drugs for Diabetes-Associated Neovascular Glaucoma and their Preclinical Validation through a Zebrafish Disease Model,"*** has been awarded a total sanctioned amount of ₹40 lakhs.

- **Dr. Binson Babu** received a grant of ₹3,00,000 from ANRF for organising the International Conference on Sustainable Nanomaterial Integration and Organization for Energy and Environment (iSNIOE^2) 2026.

Conferences, Workshops, and Other Accolades

Prof. Sanjeev Galande

- Keynote Speaker at "Nutriome 2026 - International Conference on Precision Nutrition", Institute of Nutrition, Coimbatore, January 31, 2026.
- Invited speaker at an online series of talks on Maternal Health & Innovation: Advances in Research and Technology, supported by the Women's Collective Forum (WCF). The title of the talk was "Epigenetics and Maternal Health".

Dr. Rohini Garg

- Talk on 'Decoding Epigenetic and Structural DNA Signals in Plant Growth and Development' at Frontiers Symposium in Biology 2026 (FSBIO 2026), IISER Trivandrum, 13–15 February 2026
- Talk on 'Beyond the linear genome: Gquadruplex DNA and structural control of plant development' at 47th Annual Meeting of the Plant Tissue Culture Association (India), held at JNU Convention Centre, New Delhi, 17–20 February 2026.

Dr. Rajan Vyas

- Talk on 'Mechanistic Basis for the Bypass of a Bulky DNA Adduct Catalyzed by a YFamily DNA Polymerase' at National Conference on Green and Applied Chemistry (NGAC2026), Jai Narain Vyas University, Jodhpur, 27 February–1 March 2026.

Dr. Aastha Dheer

- Lecture on 'Understanding the Epileptic Brain: A microglial perspective' at Brain Connect 2026, Department of Neurology, Swami Rama Himalayan University, Dehradun, 19–21 March 2026.

Dr. Koyeli Mapa

- Talk on 'ANKZF1 helps to eliminate stressdamaged mitochondria by LC3mediated mitophagy' at Saha Institute of Nuclear Physics (SINP), Kolkata, on 20 January 2026.

Dr. Tatini Rakshit

- Invited speaker at the 'Woman Force' Conference, IIT Gandhinagar, 26–28 February 2026

Dr. Arindam Chatterjee and Dr. Kenji Nishiwaki

- Probing a Five Dimensional Lmu-Ltau Model via Elastic Electron-Neutrino Scattering Processes, Dibyendu Chakraborty, Arindam Chatterjee, Ayushi Kaushik, Kenji Nishiwaki, *Springer Proc.Phys.* 432 (2026) 202-205, Contribution to: 26th DAE-BRNS High Energy Physics Symposium 2024, 202-205.
- Publication (conference paper): Probing U(1) Lm-Ltau Extra-Dimensional Model via Electron-Neutrino Elastic Scattering, Dibyendu Chakraborty, Arindam Chatterjee, Ayushi Kaushik, Kenji Nishiwaki, *Springer Proc.Phys.* 322 (2026) 311-314, Contribution to: PPC2024, 311-314.

Prof. Parthapratim Munshi

- Seminar on 'Organic Materials for Memory and Energy Harvesting,' Department of Chemistry, IIT Kharagpur, 5–6 January 2026.
- Seminar on 'Organic Ferroelectrics with Negative Thermal Expansion as Piezoelectric Nano-generators and Memristors', Department of Chemistry, IIT Madras, 19–20 March 2026.
- Talk on Organic molecular materials with excellent ferroelectric, piezoelectric, and memristor characteristics for low-power nano electronic devices at the ACS Spring Digital Meeting Global Virtual Symposia (GVS), 22–26 March 2026.

Dr. Naiwrit Karmodak

- Talk on single-atom catalysts for CO_2 reduction at online meeting of Nyro-SCM from 12–13 February 2026, and at World Conference on Hybrid Materials, Mahatma Gandhi University, 13–15 March 2026.

Dr. Satyanarayana Reddy

- Presented paper on 'Square and Cube Subgroup Numbers' at National Conference on the Role of Mathematics in Emerging Technologies–2026, GIET University, Odisha, 10–11 January 2026.
- Talk on 'Ramanujan Sums and Their Applications' at Shree Guru Gobind Singh Tricentenary (SGT) University, 7–8 March 2026.
- Talk on 'Exploring Mathematics with Python – A Hands-on Workshop' at St. Francis College for Women, Hyderabad on 2 February 2026.
- Served as Resident Faculty for the MTTS Overture Program at Bhadrak Autonomous College from 7–8 February 2026 and Ram Dayalu Singh College, Muzaffarpur, 14–15 March 2026.

Prof. Bimlesh Lochab

- Chaired a session at 'Emerging Paradigms: Recent Trends in Chemical Biology and Drug Discovery', at Ashoka University, Sonipat, 13–15 March 2026.
- Lecture on 'Reimagining Thermosets: Vitrimers and Pathways to Degradability' at Institute of Chemical Technology, Mumbai, 17–18 February 2026.
- Talk on 'Sustainable Thermosets: From Concept to Impact' at IIT Kharagpur, 15–18 December 2025.
- Invited speaker on sustainable polymer science at first C. N. R. Rao Research Conference, at IISER Berhampur, Odisha, 19–21 February 2026.

Prof. Amber Habib

- Co-convenor and Speaker at the Northern Regional Workshop for Secondary School Teachers (2026) organized jointly by the Mathematics Teachers' Association (India) and IISER Mohali, 12–14 February 2026.

Dr. Sucheta Mondal

- Talk on 'Accelerated Ultrafast Spin Dynamics at the Graphene–Ferrimagnet Interface' at International Conference on Recent Advances in Nanosciences and Nanotechnology (ICRANN2025), JNU, Delhi, 20–21 December 2025.

Dr. Debarshi Das

- Talk on 'A New Experimental Proposal to Test the Quantumness of Gravity' at CQuERE, TCG CREST, Kolkata, India in December 2025.

Dr. Anindita Chakrabarty

- Lecture on 'Navigating Cancer Adaptation: The Interplay of Senescence, Polyploidy, and EMT' at the IISc Bangalore EMT-SPARC Meeting on 6 March 2026.
- Talk on 'Exploiting Anticancer Therapy-induced Senescence in Evolutionary Double-bind Treatment Designs to Limit Adaptive Resistance' at MAHE-MIRM on 9 March 2026.

Dr. Binson Babu

- Convenor of the Second International Conference on Sustainable Nanomaterials Integration and Organization for Energy and Environment (2nd-iSNIOE^2), Shiv Nadar University.

Prof. Sajal Kumar Ghosh

- Talk on ‘Jamming of Nanoparticles at Liquid–Liquid Interfaces: Assembly, Rheology, and Structure’ at Advances in Quantum Materials Using Synchrotron Techniques (AQMUST-2026), Saha Institute of Nuclear Physics, Kolkata, 24–26 February 2026.
- Talk on ‘Biophysical study of assembly of antimicrobial peptides in a phospholipid membrane’ at Emerging Trends in Soft Matter (ETSM2026),National Institute of Technology, Rourkela, 2–6 March 2026.
- Talk on ‘Magnetic Nanoparticles at Liquid–Liquid Interface: Assembly, Rheology, and Structure’ at Department of Physics and Astrophysics, University of Delhi, 18–19 March 2026.
- Talk on ‘Jamming of Magnetic Nanoparticles at Liquid–Liquid Interfaces’, at Conversations across Soft Matter & Biophysics, Ashoka University, Delhi-NCR, 27–28 March 2026.

Prof. Susanta Sinha Roy

- Lecture on ‘Fundamentals of X-ray Photoelectron Spectroscopy and Its Applications in Carbon-Based Materials’ as part of the Faculty Development Program (ETCMA-2026), VIT Chennai on 19 March 2026.

Prof. Aloke Kanjilal

- Talk on ‘Metal oxide-2D material heterostructures for future optoelectronic devices’ at one day workshop at NPL: Overview of projects under the scope of SNU-NPL MoU, CSIR-NPL on 20 Feb 2026.

Dr. Basab Bijayi Dhar

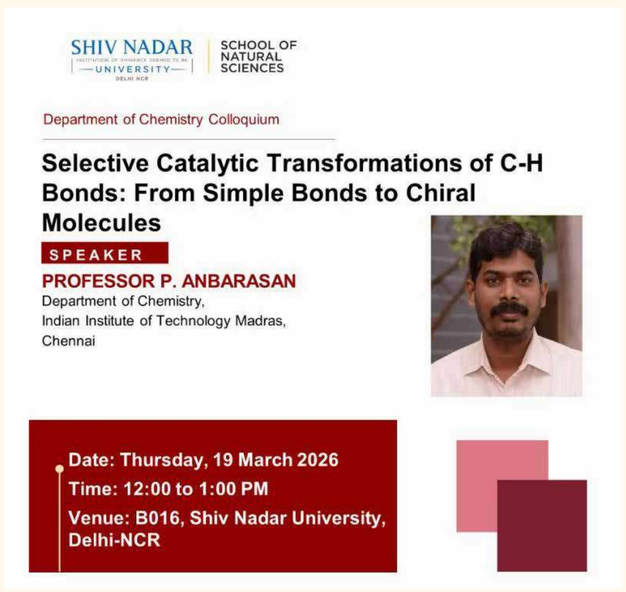
- Lecture on ‘Ni-Based Homogeneous Catalysts for C–H Halogenation’ at Rasaayan Sangoshthi-2026 at IIT Dharwad, 13–14 March 2026.

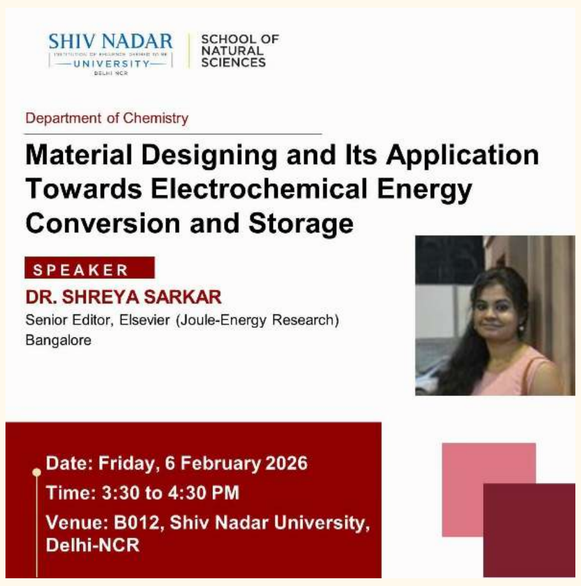
Bar-headed Goose (*Anser indicus*)

Empowering the Scholarly Ecosystem

Distinguished Guests, Talks, and Lecture Series

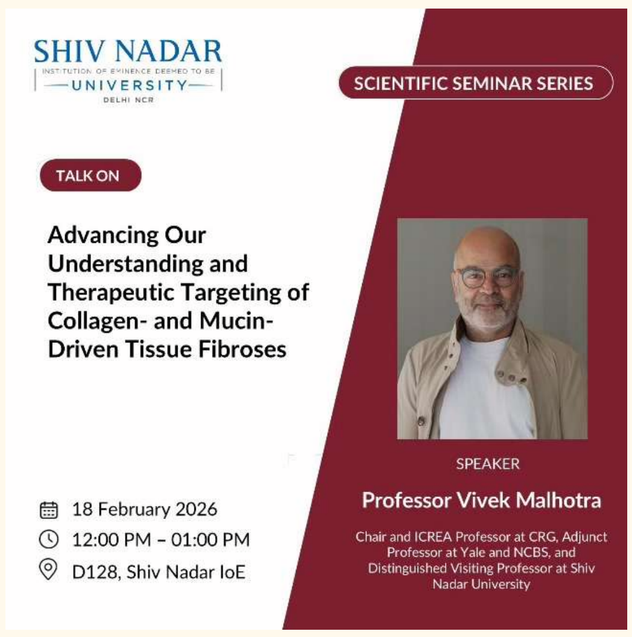
Department of Chemistry

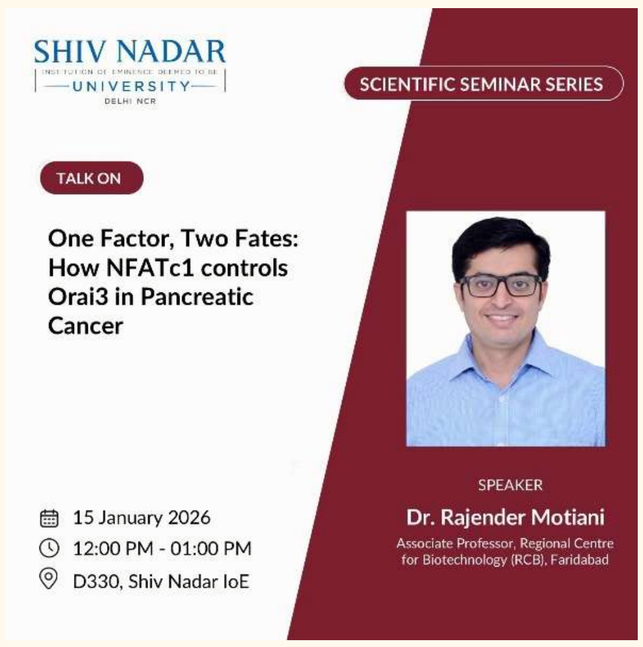


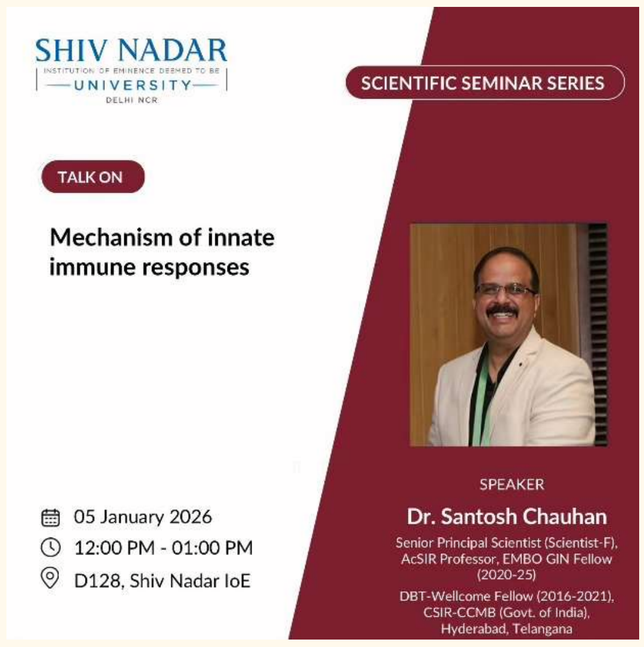


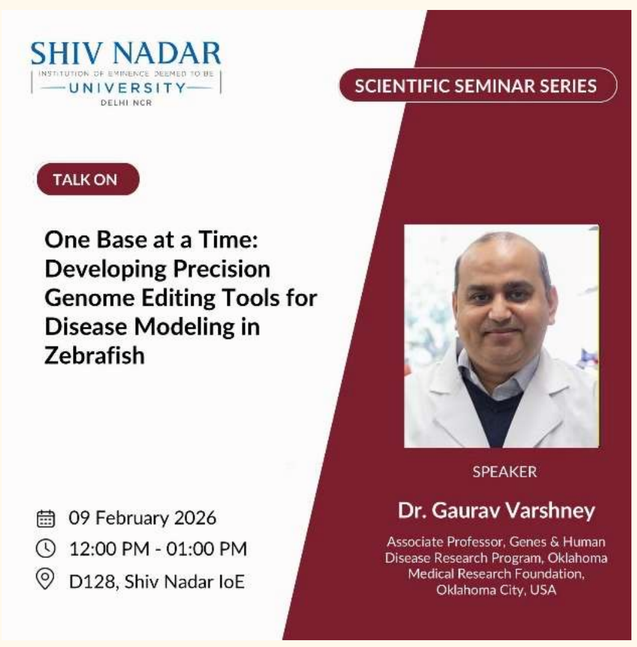
Department of Life Sciences

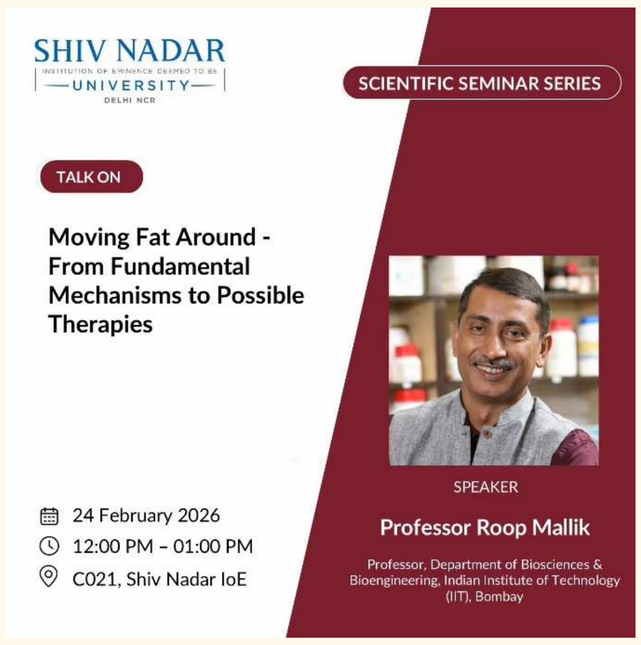
Scientific Seminar Series

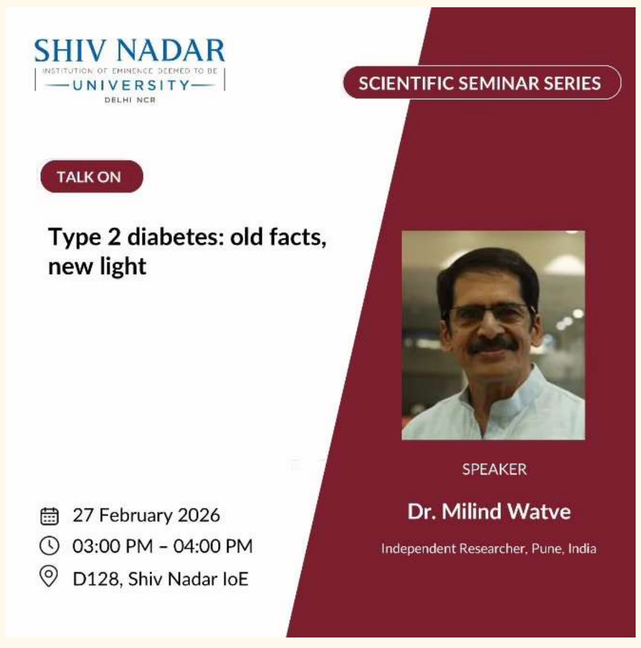


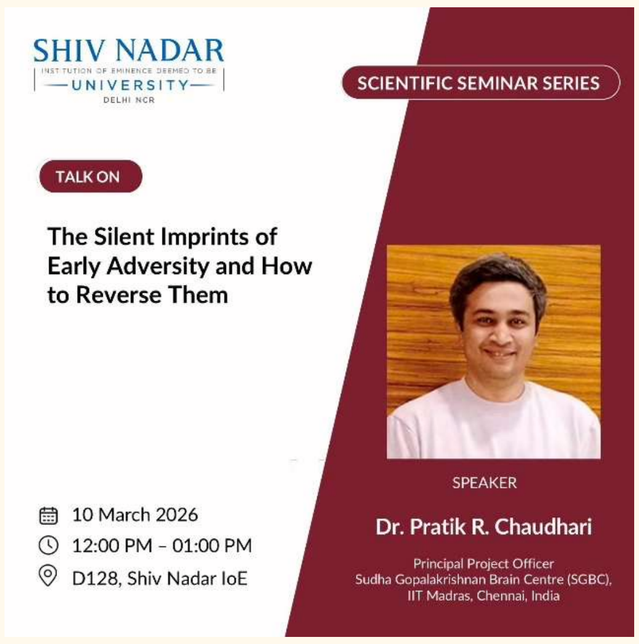


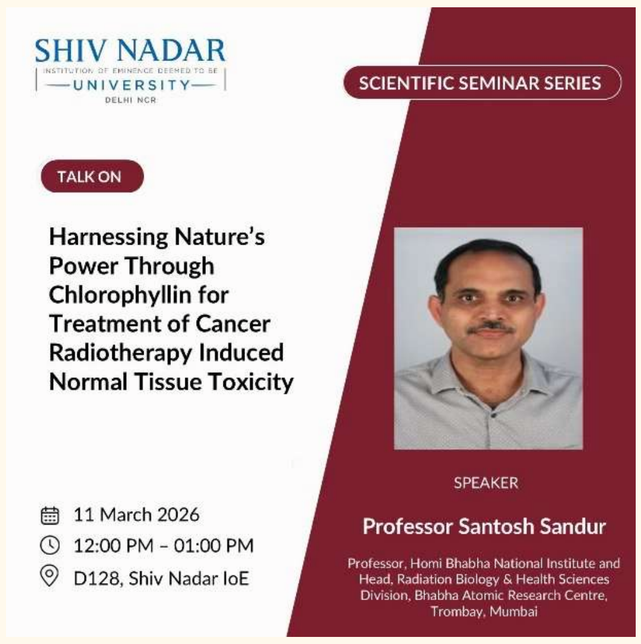


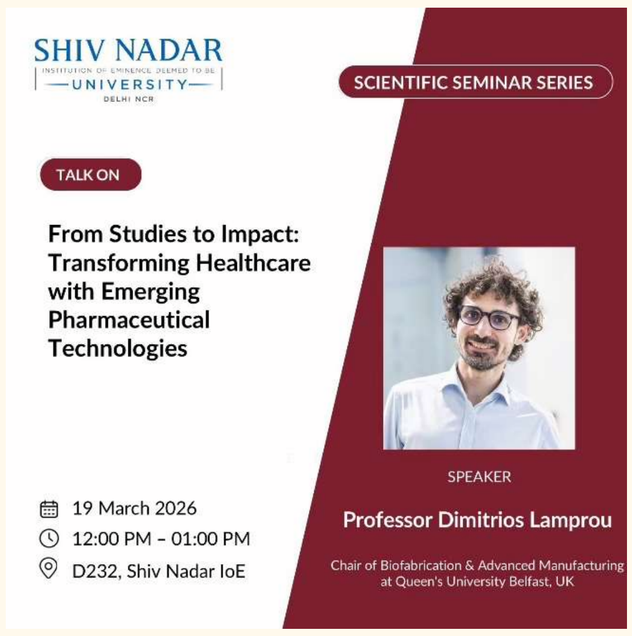




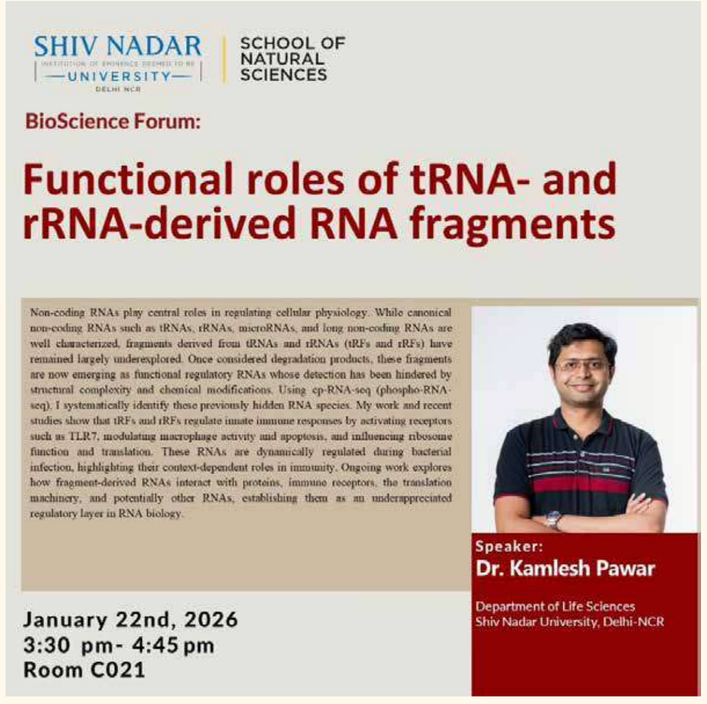


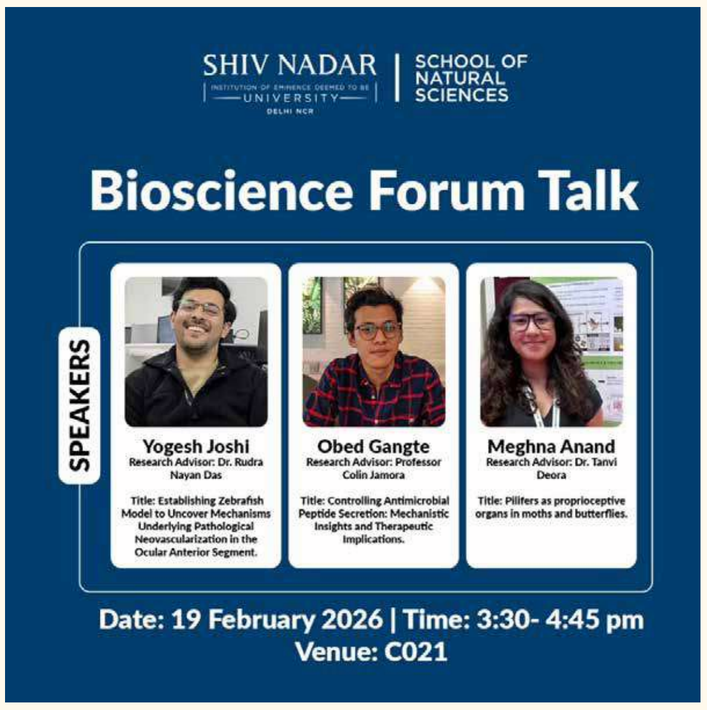


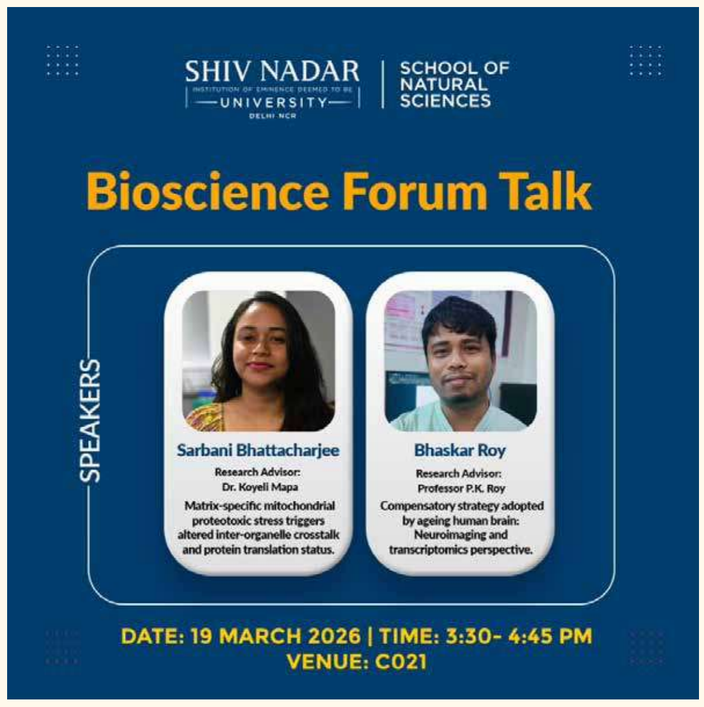




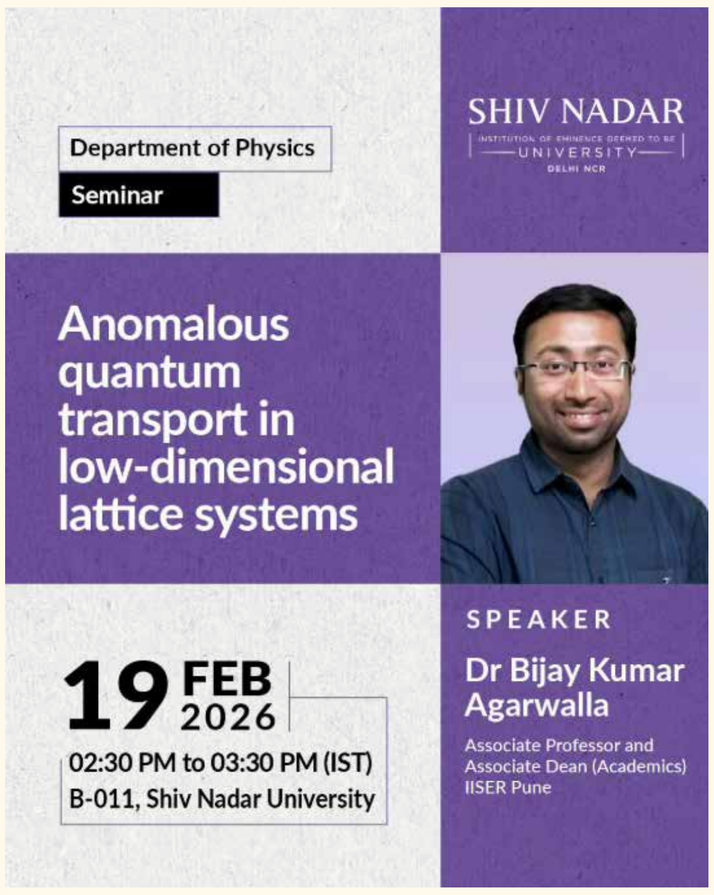
Bioscience Forum (BSF) Series

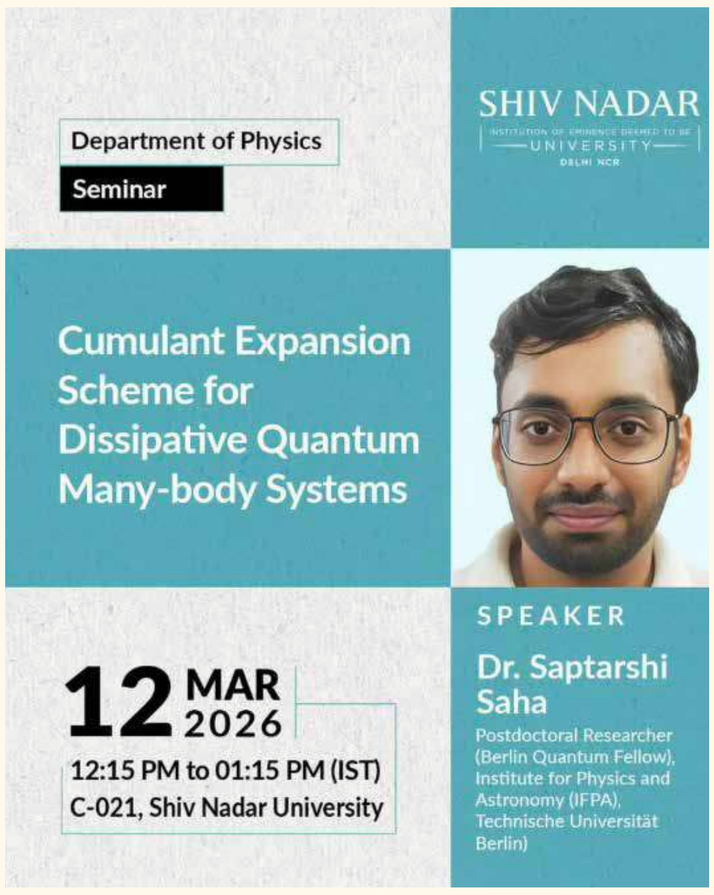


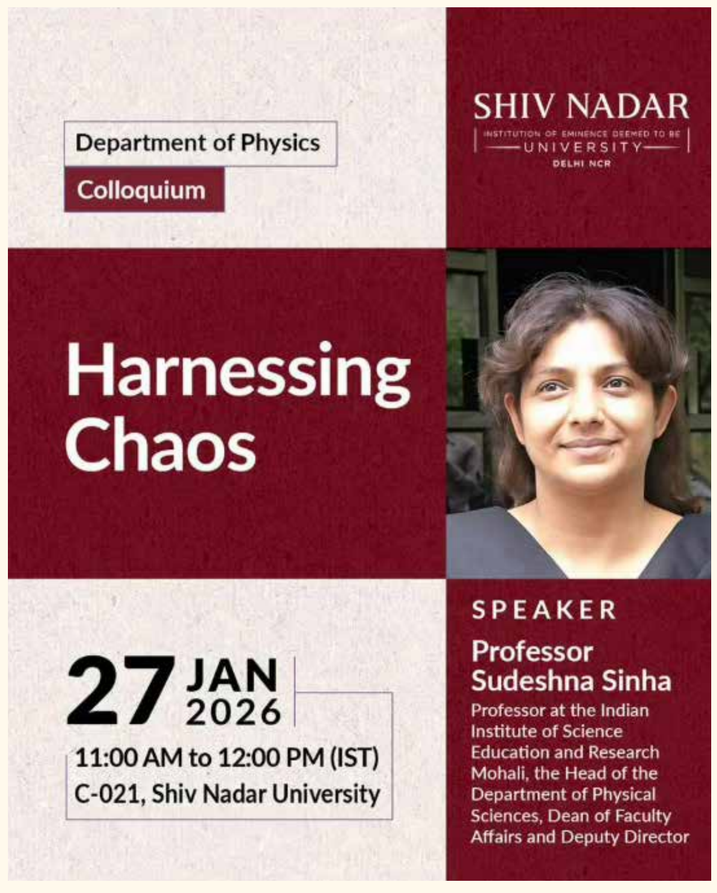




Department of Physics







Department of Mathematics

Colloquiums by

Professor Chandan Singh Dalawat, visiting professor at Ashoka University on 12 March 2026.

Professor Takao Komatsu, Distinguished Research Fellow, Henan Academy of Sciences, China on 26 March 2026.

The Trailblazing Next Generation

Grants, Fellowships, and Internships

Vijith Tirumala Doss (UG student)

- Participated in Centre for Nano Science and Engineering (CeNSE) Winter School 2025, conducted remotely by IISc Bengaluru, in January 2026.

Prashant B. Singh (Ph.D. student)

- Received a University of Antwerp (UAntwerp) Travel Grant through the Global Minds Program to attend the 10th EuChemS Chemistry Congress (ECC10) in Antwerp, Belgium, on 17 March 2026.

Pranoy R. Menon (UG student)

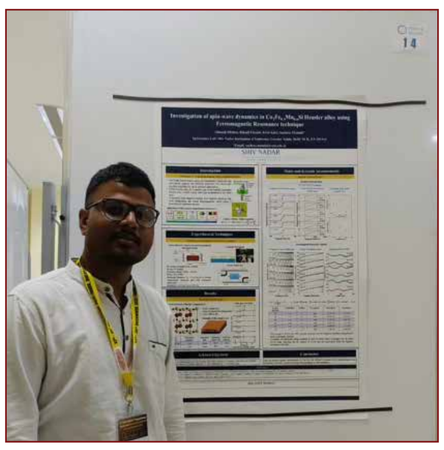
- Awarded a funded Visiting Studentship with the Glover Group at NYU Shanghai, China, for the period 28 December 2025 to 2 April 2026.

Livanshi Bansal (UG student)

- Served as the Secretary of CineU – The Film Society, which won Second Runner Up Award in the Club Championship, at SNIoE on 25 March 2026.

Sahana Y. K. (Integrated M.Sc.–Ph.D. student)

- Awarded a fully funded three-month international internship at Ruhr University Bochum, Germany, under the RESOLV Student Challenge Program 2026.



Abinash Mishra (Ph.D. student)

- Awarded competitive travel support by the organisers of the *36th AGM of the Materials Research Society of India (MRSI), the 7th Indian Materials Conclave, and the International Conference on Emerging Materials (MRSI-ICEM-2025)*, held from 17–20 December 2025 at the National Institute of Science Education and Research (NISER), Bhubaneswar, Odisha.

Oral Presentations and Awards

Saurabh Dwivedi (Ph.D. student)

- Oral presentation on ‘An extension of Phelps Theorem Two Spaces of Vector - Valued Functions’ at Jadavpur University, Kolkata on 12 March 2026.

Akshath Guptha (UG student)

- First Prize for oral paper presentation on ‘Anomalous relaxation of nanoparticles at the air–water interface’ at Coherence’ 26, hosted by Physics Society of Deshbandhu College, University of Delhi, 23–24 February 2026.

iSNIOE² 2026 (Oral Presentations)

Ajit Seth (Ph.D. student)
Awarded Best Oral Presentation Award
Hydrophobicity Dependent Deformation of Bacterial Cell Wall Induced by Imidazolium-Based Ionic Liquids'

Sayani Das
(Awarded Second **Best Oral Presentation, sponsored by IOP Publishing**). In situ Optical Detection and Removal of Ciprofloxacin Residues from Hospital Waste Water.

Tanuja Singh
Nanoarchitectonics of Carbon Nitride/NiO/Zn_3N_2 Heterointerfaces for Efficient Oxygen Evolution Reaction

Abhinav Mahapatra
Fluorinated PDMS Enhanced Single Electrode Triboelectric Nanogenerator for Biomechanical Energy Harvesting and Sensing Applications

Abhishek Panghal
WSe_2/Polyaniline Nanocomposite Electrodes for Enhanced Supercapacitor and Zinc Ion Battery Performance

Rumal Singh (Ph.D. Student)
Self assembly of nanoparticles at liquid–liquid interface: Interfacial rheology under magnetic field

Poster Presentations and Awards

Vaibhav R. Cholke (Ph.D. student)

- ACS Best Poster Award at GITAM Chemistry Research Conference (GCRC) 2026, Visakhapatnam, Andhra Pradesh, 12–14 January 2026.

Yashika (Ph.D. student)

- Best Poster Award at iSNIOE 2026, SNIoE, held from 19–22 January 2026.

Tanya Agrawal (Ph.D. student)

- Best Poster Award at IP3 2026, conducted at SNIoE, on 25 February 2026.

Vampugani Naga Malleswara Rao (Ph.D. student)

- Best Poster Award at MAGSuC 2026, held at SNIoE, 27–30 January 2026.

Sreerang P. (Ph.D. student)

- Best Poster Award (RSC Category) at iP3 2026, SNIoE, 23–25 February 2026.

Soumyasri Nikhilesh Mahapatra (Integrated M.Sc.–Ph.D. student)

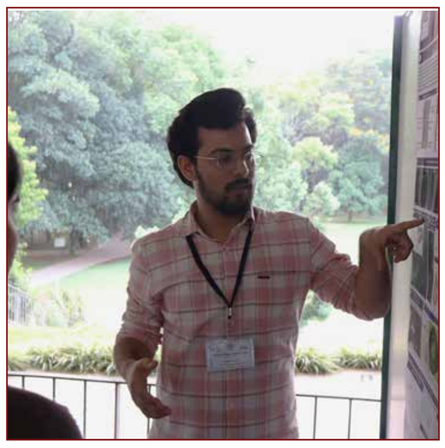
- Best Poster Award at NANO SA 2026, ICT Mumbai, MARJ, 11–12 February 2026.

Jinti Moni Kumar (Ph.D. student)

- Best Poster Awards at MAGSuC, held at SNIoE, 28–30 January 2026.

Aas Mohd (Ph.D. student)

- Best Poster Award at the INDIA EMBO Lecture Course 2026: RNA Virus Infection and Host Immune Responses, held at the Regional Centre for Biotechnology (RCB), Faridabad, 11–14 February 2026.



Yogesh Chandra Joshi (Ph.D. student)

- Best Poster Award at the Vascular Biology Symposium 2026, Shiv Nadar Institution of Eminence.

Divyanshi Soni (Ph.D. student)

- Second Best ACS Poster Presentation Award at iSNIOE^2 2026, SNIoE.

Sheikh Najeeb Ul Haq (Ph.D. student)

- Best ACS Poster Presentation Award at iSNIOE^2 2026.

Baisali Ghadai (Ph.D. student)

- Best Poster Award at the International Conference on “Recent Advances in Nanosciences and Nanotechnology 2025” (ICRANN 2025), held at Jawaharlal Nehru University (JNU), Delhi, 20–21 December 2025.

Alumni Achievements

Dr. Mudassar Ali (Ph.D. 2025)

Post-doctoral position in Dr. Alexandra Stolz’ Group at Institute of Biochemistry II, Faculty of Medicine, Goethe University Frankfurt, Germany from March 2026.

Congratulations to our Ph.D. Awardees!

Name	Thesis
Dr. Shweta Singh (Department of Chemistry)	Photochemical & electro-photochemical C-X (N, C, S and O) bond formation and their subsequent transformation to various heterocycles.
Dr. Asrar Ahmad (Department of Chemistry)	Efficient Access of Heterocycles and Polyaromatic Hydrocarbons by Harnessing the Reactivity of Ynones.
Dr. Haya Khan (Department of Chemistry)	Blue LED-Induced C–C/ C N Bond Formation and Scaffold Editing for the Synthesis of Complex Heterocycles and α Amino Esters.
Dr. Mudassar Ali (Department of Life Sciences)	Elucidation of mitochondrial sub-compartment specific proteotoxic stress response and the role of ANKZF1 during mitochondrial proteotoxic stress.
Dr. Kavita Samant (Department of Mathematics)	On the Generating Graphs of Finite Groups
Dr. Manoj Upreti (Department of Mathematics)	Combinatorial Aspects of Integer Partitions
Dr. Arshad Khan (Department of Mathematics)	Nearly Invariant Subspaces
Dr. Pawanesh (Department of Mathematics)	Analyzing Financial Markets Through Network Structures in Hyperbolic Spaces
Dr. Khyati Sharma (Department of Mathematics)	Study of Finite Groups Through Subgroups and Their Count
Dr. Sai Rasmi Ranjan Mohanty (Department of Mathematics)	Maximal Surfaces in Lorentz–Minkowski Space and Their Singularity
Dr. Renu Saraswat (Department of Mathematics)	Stock Market Forecasting Through Multilevel Dynamical Interactions: An Auto Optimized Multimodal Deep Learning Approach
Dr. Imran Ansari (Department of Mathematics)	Data Driven Analysis of Financial Markets Based on Mesoscale Structures of Networks

New Faculty at SNS

Department of Life Sciences

Prof. Vivek Malhotra
Distinguished Professor (Visiting)
He is an expert in cell biology, particularly focusing on the mechanisms of Golgi complex partitioning during cell division. He is the Coordinator of the Cell & Developmental Biology Programme at CRG, Barcelona, Spain. Link to webpage : https://www.crg.eu/en/vivek_malhotra

Prof. Santosh Chauhan
Adjunct Professor (Visiting)
He is a Senior Principal Scientist (Scientist-F, Associate Professor) at the CSIR–Centre for Cellular and Molecular Biology
Link to webpage: http://autophagylab.com
Research Areas: Programmed Cell Revival - A new phenomenon discovered by his team, innate immune responses, autophagy, cross-talk between autophagy and inflammation, and immune responses to cancer

Technical Officers

Ms. Reena V

Mr. Naveen Srinivas

Department of Chemistry

Dr. Manoj Kumar
Assistant Professor
Research Areas: Active Soft Matter, Synthetic-living systems, Physical Chemistry, Biophysics, Active Self-organisation, and Soft micro-robotic systems.

Inspiring Generations: Science Day at SNS

Screening of *All That Matters*, directed by Mamta Singh

As part of National Science Day, the Department of Physics organised a screening of the documentary All That Matters, which profiles renowned particle physicist the Late Professor Rohini Godbole—a former Visiting Distinguished Professor at Shiv Nadar University. The film weaves together her professional achievements and personal journey, capturing her resilience, intellectual curiosity, and enduring impact as a scientist who shaped new paths in the exploration of the universe.

Special session on ‘Curiosity-based science’

A special session organised by the Department of Life Sciences, titled ‘Curiosity Based Science’ by Pune-based evolutionary biologist Dr. Milind Watve was held on 28 February to mark National Science Day. His Springer-published book, *Doves, Diplomats, and Diabetes,* presents a Darwinian view of Type 2 diabetes, with its ideas now being applied at the BILD Clinic, Dinanath Mangeshkar Hospital & Research Centre, Pune.

Paths into Science:

Voices of the Women in Science @ Shiv Nadar University

The first quarter of the year offers a meaningful moment to reflect on the presence, purpose, and progress of women in science. Marked by the **International Day of Women and Girls in Science (11 February), National Science Day in India (28 February)**, and **International Women's Day (8 March)**, this period brings into focus both celebration and contemplation. The 2026 National Science Day theme—'Women in Science: Catalysing Viksit Bharat'—aptly underscores the role of women as active contributors to a more informed, equitable, and forward-looking society.

At Shiv Nadar University, this spirit is reflected not only in the research pursued by its women scientists, but also in the reasons they chose science—stories shaped by curiosity, persistence, and a quiet determination to understand the world more deeply.

Here, we highlight a few of the women scientists at Shiv Nadar University, each with a distinct journey, sharing what first drew them to science and what continues to inspire their work.

Prof. Bimlesh Lochab
Professor and Head,
Department of Chemistry

Research Area: Transforming polymer and industrial waste into valuable materials for energy storage, adhesives, and drug delivery.
Dr. Lochab's interest in science began with simple questions about how things work, gradually shaped by inspiring teachers and hands-on experimentation. Over time, this curiosity evolved into a deeper engagement with materials and sustainability. She continues to see chemistry as a lifelong process of learning—one that blends creativity with responsibility—and encourages students to pursue science with genuine curiosity.

Dr. Geetanjali Chawla
Associate Professor,
Department of Life Sciences

Research Area: Age-related diseases, RNA biology, model organism genetics, and RNA therapeutics development.
For Dr. Chawla, the study of biology is closely tied to questions of aging and long-term health. Her research focuses on how non-coding RNAs and dietary factors influence metabolism and lifespan. Identifying conserved microRNA-based pathways linking dietary restriction to longevity, her work reflects a sustained curiosity about how small molecular changes shape larger biological outcomes.

Dr. Nidhi Malhotra
Assistant Professor,
Department of Chemistry

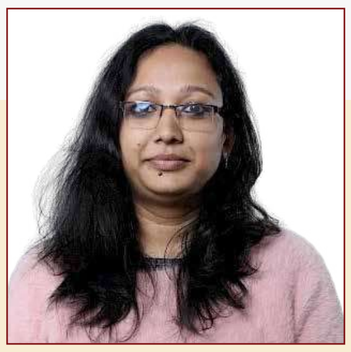
Research Area: Understanding conformational dynamics of biomolecular interactions and their association with pathological diseases using computational and experimental tools.
A fundamental curiosity about how nature maintains balance led Dr. Malhotra to study molecular processes such as protein homeostasis and autophagy. Her work focuses on understanding how disruptions in these finely tuned systems contribute to disease. Using integrative computational approaches, she explores interactions between proteins, lipids, and other biomolecules at atomic resolution—guided by the belief that meaningful intervention must begin with deep understanding.

Dr. Tatini Rakshit
Assistant Professor,
Department of Chemistry

Research Area: Chemical biology, force-based microscopy and spectroscopy.
Dr. Rakshit's journey into science has been shaped by a fascination with the physical forces that govern biological systems. Working at the interface of chemistry and biology, she uses biophysical techniques, particularly force-based microscopy and spectroscopy, to study biomolecular interactions at the single-molecule level. Her research in the ChemBioTech Lab explores the nanomechanical properties of cancer-derived extracellular vesicles and develops innovative assays to probe chromosomal instability. For her, the ability to 'see' and measure these otherwise invisible forces continues to be a powerful motivation.

Dr. Koyeli Mapa
Associate Professor,
Department of Life Sciences

Research Area: Protein homeostasis, molecular chaperones, cellular stress response pathways, and mitochondrial biogenesis.
Dr. Mapa's work is rooted in a long-standing curiosity about how cells maintain order under stress. Her research focuses on cellular proteostasis, mitochondrial biology, and molecular chaperones such as Hsp70, Hsp110, and Hsp60. By studying how these systems preserve protein quality in challenging conditions, she continues to explore fundamental questions about resilience at the cellular level.



Dr. Rohini Garg
Associate Professor,
Department of Life Sciences

Research Area: Plant epigenomics and regulatory networks.
Dr. Garg's journey into plant biology reflects an interest in how living systems respond and adapt to their environment. Her research combines molecular biology with computational genomics to study gene regulation and DNA modification in crops like chickpea and Arabidopsis. By understanding how plants respond to stress at the molecular level, she contributes to broader efforts aimed at improving crop resilience.

Dr. Aastha Dheer
Ramalingaswami Re-entry
Fellow, Department of Life

Research Area: Neurodegenerative disorders, epilepsy, glial biology, microglia, extracellular matrix, behaviour, and cognition.
Dr. Dheer's interest in neuroscience is shaped by both scientific curiosity and lived experience. Her work examines how microglial cells—the brain's immune cells—interact with neural circuits, particularly in the context of epilepsy and neurodevelopmental disorders. A defining phase during her postdoctoral training, where she worked closely with epilepsy patients, gave her research a strong sense of direction and purpose that continues to guide her work today.

Dr. Sucheta Mondal
Assistant Professor,
Department of Physics

Research Area: Experimental condensed matter physics.
Dr. Mondal's fascination with science began early in her student years, sparked by a curiosity about how physical principles shape the material world. This early interest gradually evolved into a focus on experimental condensed matter physics, where she engages closely with the behaviour of materials. Her work in the Spintronics Lab reflects a commitment to hands-on exploration and to guiding students through the discipline and patience that experimental science demands.

Dr. Sneh Lata
Associate Professor,
Department of Mathematics

Research Area: Operator theory, function theory, and frame theory.
Dr. Lata's engagement with mathematics has been shaped by a deep interest in its abstract structure and evolution. Her work in functional analysis and operator theory—particularly on invariant subspaces and spaces of analytic functions—reflects her appreciation for how foundational questions can lead to rich theoretical insights. For her, the appeal of science lies in this quiet unfolding of ideas over time.

Dr. Neha Gupta
Assistant Professor,
Department of Mathematics

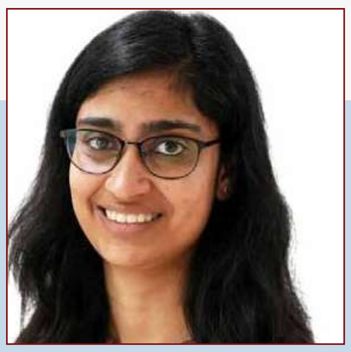
Research Area: Neural codes, integer partitions, Frobenius coin problem, and category theory.
Dr. Gupta's interest in mathematics began with simple combinatorial puzzles that gradually revealed unexpected depth. That sense of discovery continues to guide her work in areas such as integer partitions, Frobenius coin problems, and mathematical neural codes. She is particularly drawn to how discrete structures can encode rich algebraic and numerical properties—an exploration that began with curiosity and evolved into a sustained research journey.

Dr. Charu Sharma
Assistant Professor,
Department of Mathematics

Research Area: Computational finance, bioinformatics, applied data science, and applications of complex networks.
An early fascination with unpredictable, real-world systems led Dr. Sharma to mathematics as a way of understanding complexity without oversimplifying it. Today, her work focuses on data-driven modelling of non-linear and chaotic systems, from financial markets to biological and climate networks. What motivates her is the challenge of capturing uncertainty and interconnectedness through robust mathematical frameworks.

Dr. Dipti Dubey
Assistant Professor,
Department of Mathematics

Research Area: Linear Complementarity Problems and their applications in economics and finance, stochastic games, and matrix analysis in optimization theory.
For Dr. Dubey, mathematics offered a language of clarity early on—a way to make sense of complexity through structure. This inclination naturally led her to study structured matrix classes, including Linear Complementarity Problems and Absolute Value Equations. What continues to engage her is the way these abstract systems influence real-world decision-making, particularly when extended to game theory, where the structure of payoff matrices shapes equilibrium behaviour.



Dr. Somya Singh
Assistant Professor,
Department of Mathematics

Research Area: Interacting Reinforced Stochastic Processes, Urn Models, Random Graphs, Social/Contagion Networks, Opinion Dynamics, Markov Processes
Dr. Somya Singh's research journey is driven by a deep curiosity about how simple rules can shape complex collective behaviour. Drawn to applied probability during her Master's studies, she became fascinated by urn models—mathematical frameworks that reveal how past experiences influence future choices. This interest grew into a broader exploration of how opinions spread, decisions evolve, and consensus forms in social systems. By studying the role of memory and reinforcement in such processes, Dr. Singh seeks to understand why certain beliefs or behaviours persist while others fade, offering insights into the dynamics underlying real world human interactions

Across these journeys, a common thread emerges—science as a pursuit that demands both passion and perseverance. It is exacting work, often requiring long periods of uncertainty, and for many women in science, the path also involves navigating additional expectations and challenges. Yet, it is this very commitment that shapes meaningful discovery.

As we reflect on this quarter, the words of Kalpana Chawla offer a fitting reminder:
"The path from dreams to success does exist. May you have the vision to find it, the courage to get onto it, and the perseverance to follow it."

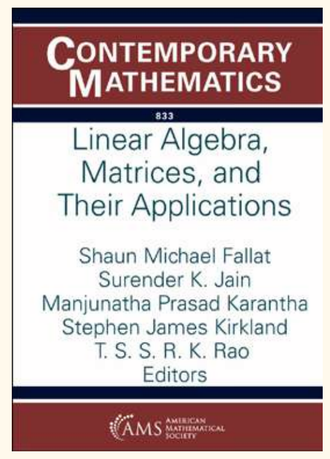
In these stories, science emerges not just as a profession, but as a journey—one that begins with curiosity and is sustained by quiet determination.

Enhancing the Corpus of Scientific Knowledge

Books, Chapters, and Articles

- **Dr. Rohini Garg** co-authored a book chapter with Dr. Shubhangi Singh, titled, ***'Method for ATAC Sequencing Data Analysis for Understanding Chromatin Biology in Legumes'*** and another chapter titled ***'Large Scale Identification of Transposon Insertion Polymorphisms in Leguminous Plants from Paired End WGS Data'*** along with Dr. A. K. Banerjee and Dr. M. Jain in LEGUMES. METHODS IN MOLECULAR BIOLOGY in January 2026.

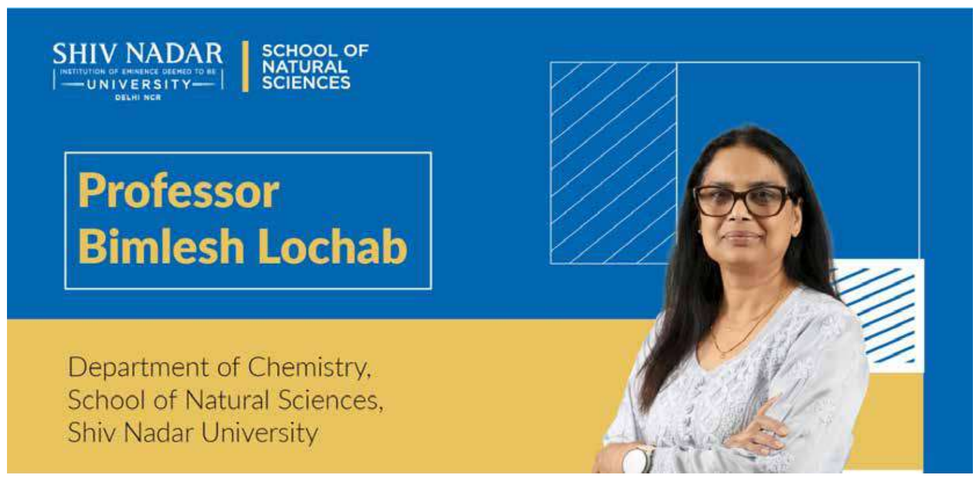
- **Prof. TSSRK Rao** edited a book LINEAR ALGEBRA, MATRICES, AND THEIR APPLICATIONS.



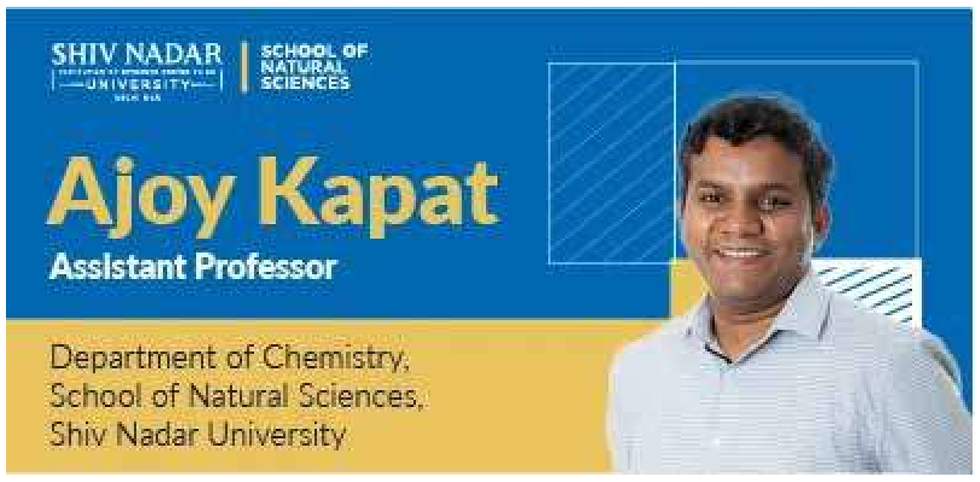
- **Dr. Nidhi Malhotra**, along with Drs. Bhawana Jangir, Devid Sahu, and Nirmala Kumari Jangid, contributed a book chapter titled ***'Chemistry Behind Aflatoxin Toxicity and Its Derivatives,'*** which was published in January 2026 in the book AFLATOXIN MANAGEMENT IN CROPS: CHALLENGES AND OPPORTUNITIES.

- **Soumya Puri**, a Ph.D. student under Dr. Jugal Das authored an article titled ***'Probiotics for Cancer and Diabetes?'*** was republished in Health on Air and Policycircle on 5 February 2026.

Featured Reads of the Quarter



Prof. Bimlesh Lochab
From Waste to Wonder: Rethinking Materials for a Sustainable Future



Dr Ajoy Kapat
Guiding Restless Molecules into Meaningful Materials

Selected Publications

- Sangeeta, Vikash Singh, Ejaj Tarif, Arnab Sil, **Biswajit Guchhait***. Microstructural organization and domainspecific dynamics in amphiphilebased deep eutectic solvent (DES)type mixtures. *J. Mol. Liq.* 2026. 129445.

- Dhanyashree Das, Dhrubajyoti Talukdar, **Bappaditya Gole***. Guest-dependent folding and tunable charge transfer of an NDI-pentameter. *Org. Chem. Frontiers. 2026.*

- Thakur Rochak Kumar Rana, Dinesh Singh, Rounak Nath, Ankan Paul, **Kshatresh Dutta Dubey*,** Gopalan Rajaraman*. Biofuel production by aldehydedeformylating oxygenase: Insights into spin states, spin coupling, and diiron cofactor reactivity using multiscale modeling. *Inorg. Chem.* 2026. 1565–1571.

- Shagun Singh, **Naiwrit Karmodak**. Understanding dissolution mechanism of oxide perovskites and activity tuning for O_2 evolution by surface doping. *J. Mat. Chem. A.* 2026.

- Mudassar Ali, Bhoopesh Maheswaran, Devid Sahu, **Nidhi Malhotra, Koyeli Mapa***. The N-terminal Segment of the Human ANKZF1 negatively regulates its internal mitochondrial targeting signal to prevent localization to mitochondria. *The FEBS Journal.* 2026.

- Payal Ambastha, Vikash Kushwaha, Ankur Magar, Yogita Gupta, Tanmayee Parida, **Aloke Kanjilal**, Ramamoorthy Boomishankar*, **Parthapratim Munshi***. Flexible organic piezoelectric nanogenerator with high power density and excellent ferroelectric and memristor characteristics. *NPG Asia Mat.* 2026.

- Sangeeta, Vikash Singh, Renu Bhati, Vishnu Poonia, **Biswajit Guchhait***. Excited-State Proton Transfer Dynamics in Betaine-Based Deep Eutectic Solvents: Is the Reaction Controlled by Solvent Relaxation? J. Phys. Chem. B. 2026.

- Raktim Deka, Dinesh Singh, Manjeet Singh, **Kshatresh Dutta Dubey**, **Debdas Ray***. A stateswitchable TADF macrocycle for multi-analyte sensing and hydrogen gas-driven emission enhancement. Comm. Chem. 2026.

- Vaibhav Bhatt, **Kshatresh Dutta Dubey***. Different Water Architecture Diversifies the Catalytic Activity in Two Deceptively Similar Cytochrome P450 Isozymes. *ACS Catalysis.* 2026. 3988–3998.

- Y. Kalyanamurthy Sahana, **Naiwrit Karmodak***. Designing Nonheme Single Atom Catalysts for Oxygen Reduction Reaction by High-Throughput Screening. *ACS App. Mat.* Int. 2026. 13913–13922.

- Aditya Verma, Sourabh, Anil Kumar, **Parthapratim Munshi***. Quasi-isostructural Order-disorder Phase Transitions and Anisotropic Thermal Expansions in Polymorphic Crystals of a Biologically Active Molecule with Distinct Solubility and Dissolution Rate. *Mat. Adv.* 2026.

- **Santosh K. Singh*, Kotaro Takeyasu***. Control of hydration and degree of pz/π* orbital localization as dual keys for durable carbon electrocatalysts in acidic ORR. *ACS Cat.* 2026. 2998–3012.

- Pranjit Barman, Dipti R. Panigrahi, Shouvik Mete, **Santosh K. Singh***. Designing Stable Nanoarchitectonics of Metal Halide PerovskiteBased Materials for Aqueous Electrocatalysis. *Small.* 2026. e14875.

- Haya Khan, Shreekanth Murugan, **V. M. Rajesh*, Subhabrata Sen***, Ludovic Gremaud*. Continuous-Flow Skeletal Editing for Frontend Remediation of 1,4-Dioxane at Environmentally Relevant Concentrations. *Cell Rep. Phys. Sci.* 2026, 7(3).

- Subhankar Bera, Yashika Tyagi, Samiran Saha, Soumil Sen, Rafiq Rather, Tanmay Chatterjee, Ludovic Gremaud*, **Subhabrata Sen***. Harnessing Pyridinium Ylides for Ionic Cascades: A Scalable Mechanochemical Route to Azaindazoles and Related Heterocycles. Cell Rep. *Phys. Sci*. 2026.

- Azzharuddin Sardar, Shreya Halder, Dinesh Singh, Binte Zehra, Tanishkaa Patranabish, **Kshatresh Dutta Dubey, Santanu Ghosh***. Bifunctional 2-Aminopyridine-Catalyzed Aza-Friedel–Crafts/Oxa-6π^2 Cascade: Synthesis of 2,2-Disubstituted Chromenes. *Org. Lett.* 2026

- Soumyasri Nikhilesh Mahapatra, S. Zafar, Rashmi Niranjan, Jasvinder Kaur, **Richa Priyadarshini, Bimlesh Lochab**. Ultralight, mechanically robust, waterstable MXene–chitosan aerogels for concurrent dye adsorption and antibacterial filtration at low MXene loading. *npj Clean Water.* 2026. 9(1). 19.

- Biswеswar Santra, Minh-Anh Luong, **Aloke Kanjilal**. Unravelling Conducting Substrate Dependent Resistive Switching in ZnO@β-SiC Memristors for NeuroInspired Computing. *J. Phys. D. App. Phys.* 2026. 59. 065301. (Invited)

- Roopam Pandey, Suchismita Rath, Yashika Tyagi, Shivani Jadon, Tejas Prabakar, Shreemad Patel, Debajit Maiti, **Subhabrata Sen***. A Divergent Electrochemical Platform for Diazene Radical Generation and C–N Coupling Reactions. *Org. Chem. Frontiers.* 2026.

- Shweta Singh, Vaibhav Cholke, Rakesh Ganguly, Debajit Maiti*, **Subhabrata Sen***. Catalyst-Free Electro-Photochemical Hydroalkylation of N-Aryl Maleimides via Alternate Electrode Electrolysis. *JACS Au.* 2026.

- Tanya Agrawal, Suchetan Pal, **Tatini Rakshit***. Seeing and Feeling DNA Methylation: Single-Molecule Biophysics Meets Machine Learning. *Nano Lett.* 2026.

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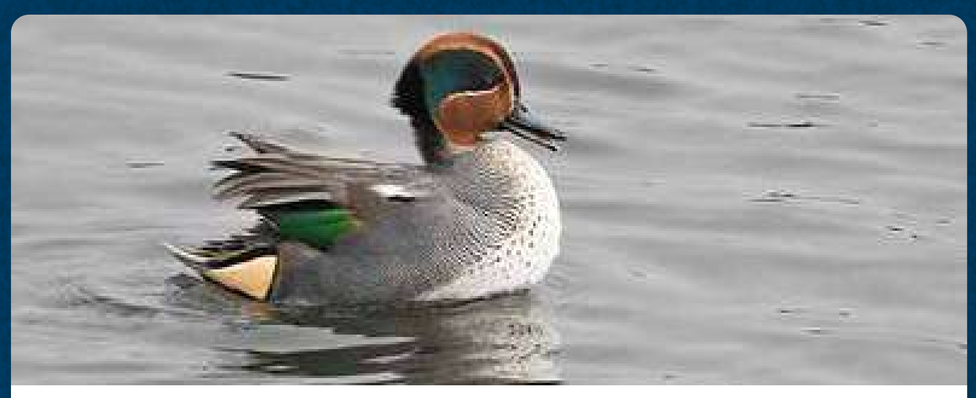
Western Marsh Harrier (*Circus aeruginosus*) surveying a group of Bar-headed Geese and Great Cormorants

Garganey (*Spatula querquedula*)

The white birds are Black-headed Ibis (*Threskiornis melanocephalus*). Behind them is an Indian Pond Heron (*Ardeola grayii*). The small dark birds are Eurasian Moorhen (*Gallinula chloropus*).



Green-winged Teals (*Anas crecca*)

Lesser Whistling Ducks (*Dendrocygna javanica*)

Greater Painted Snipe (*Rostratula benghalensis*)

Black-necked Stork (*Ephippiorhynchus asiaticus)*, among Black-headed Ibis and Egrets

Painted Stork (*Mycteria leucocephala*)

Winter Guests at SNU Lake

Nestled within the campus and part of the Dadri wetlands, **SNU Lake**—also known as the **Bil Akbarpur wildlife habitat**—is a tranquil haven for aquatic birds year-round. This feature celebrates its winter visitors—migratory birds that journey from distant lands, bringing quiet grace and seasonal charm to the lakeside.

All photographs featured here and throughout the newsletter capture these winter guests. We gratefully acknowledge **Prof. Amber Habib** (Department of Mathematics, Shiv Nadar University) and the **SNU Bird Watching Group** for sharing these beautiful images, and thank Professor Habib for helping us identify and name these feathered visitors.

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