

Department of Biochemistry University of Delhi South Campus

Quarterly Report (1st February 2026 – 30 April, 2026)

Major Achievements (For Academic Departments): 1. Honors and distinctions, 2. Books/ Patents/ Technology Transfer/ Industrial Collaboration, 3. Seminars/ Conferences/ Workshops Organized

Prof. Amita Gupta - Invited talk- “Applications of AI in healthcare and medicine” at National Conference on "Advances in AI and Computational Biology", held on April 06-07, 2026 Shivaji College).

Prof. Vijay K. Prajapati - Invited Speaker at “National Conference on Basic and Translational Research in Human Genetics and Molecular Biology” organised by Department of Human Genetics Guru Nanak Dev University, Amritsar dated February 9 - 11, 2026 at Sri Guru Granth Sahib Bhavan, GNDU, Amritsar.

Prof. Vijay K. Prajapati - delivered an invited talk at National Conference on Computational Biology & AI in drug Discovery-26, Organized by Sunandan Divatia School of Science (SDSOS) SVKM's NMIMS Deemed-to-be University, Mumbai 6-7th February 2026.

Prof. Vijay K. Prajapati - invited as Distinguished speaker in symposium, themed “Transformative Health Science: Foundations and Applications” organised by Interdisciplinary School of Health Sciences, Central University of Rajasthan on 7th April 2026.

Prof. Urmi Bajpai – Invited talk, “The Role of Bacteriophages in Soil Health and Addressing Antimicrobial Resistance (AMR)” during a Symposium on “One Health, Soil Health: A Health Awareness Program”, organised by Delhi Pharmaceutical Sciences and Research University (DPSRU) on 23 March 2026.

Prof. Urmi Bajpai – Invited talk, “Beyond Antibiotics: Phage-Derived Lysins as Antimycobacterial Candidates” during the XIVth Annual International Conference of the Indian Academy of Biomedical Sciences (IABSCON-2026) “Advancements in Research and Technology for Health (ARTH 2026)” organized by BITS Pilani, K K Birla Goa Campus & IIT Goa, India from 24-26 March 2026.

Prof. Garima Khare – Delivered a talk at the SPARC Outreach Symposium on Molecular and Chemical Fingerprints in Drug Discovery held at University of Delhi South Campus, 10th April 2026.

Prof. Garima Khare – Delivered an invited lecture 8th BioGroup India Meeting, 3-4th April 2026, BITS-Pilani

Prof. Garima Khare – Served as a session chair at the International Conference Superbug Summit 2026, 26-28 March, 2026, Chanakya University, Bengaluru

Prof. Garima Khare – Delivered a keynote lecture at Delhi Technical University on World Tuberculosis Day, 24th March 2026.

Prof. Garima Khare – Served as a panelist in NICON 2026 (NITRD International Conference on Tuberculosis and Respiratory Diseases), 12-15th February 2026, Pride Plaza Hotel, Aerocity, New Delhi

Publications:

Sharma, M., Chourasia, N., Priyanka, P., Sarkar, D.P., **Nag, A.**, Saxena S. (2026) “DNA damage induces p53-dependent activation of the lncRNA TCERG1L-AS1 to regulate cell proliferation”. *Biochimie*. 240:76-87.

Sharma, M., Chourasia, N., Priyanka, P., Sarkar, D.P., **Nag, A.**, Saxena, S. (2026) “Functional characterization of dysregulated lncRNAs in BRCA and CESC highlights their role in cancer prognosis”. *Sci Rep*. 2025.15(1):34265

Extramural Funding:

Prof. Alo Nag – “Deciphering the Mechanism of Cdh1 Suppression by HPV E6 for Therapeutic Insights into HPV Associated Cancers” sanctioned for funding by ANRF (duration 2026-2029)

Poster Presentation

Aastha, Muskan Jaiswal, Vinita Kumar, Ritu Arora, Kanika Nadar, Aarti Rathi, **Urmi Bajpai** (2026). “Lytic Bacteriophages and Endolysins. Evaluating Phage-based Alternatives for the control of Multi-Drug Resistant Bacteria. 6th Annual International Conference—Equinox 2026 organised by Maitreyi College, University of Delhi. April 10, 2026. **Third Prize** (Session- PP- 1). 9 April 2026.

Shantanu, Aparna, Kanika Nadar, Ritu Arora, Rajesh Chaudhary, **Urmi Bajpai** (2026) “Characterization of a Novel Bacteriophage- Encoded Endolysin (Lysin B) Targeting Mycobacterium sp. 6th Annual International Conference—Equinox 2026 organised by Maitreyi College, University of Delhi. April 10, 2026. **First Prize** (Session- PP- 3). 10 April 2026.

Targets (For Academic Departments: Academic activities and Research)

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Court/Executive Council meetings

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Planning of Convocation/ Honoris Causa Degrees etc.

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Any Pending Issues

Recruitment of recruitment of non-teaching posts is pending.

Any other important activity (For Academic Departments): 1. International collaborations including students exchange, 2. Extension and outreach activities and any other significant achievements/activity.