

## Urmi Bajpai

- PhD in Microbiology from the University of Delhi, South Campus.
- Professor, Department of Biomedical Science, Acharya Narendra Dev College, University of Delhi. Teaching experience: 25 years.
- Co-founder: 'International Bacteriophage Research Consortium (IBRC) in collaboration with Open Health System Laboratories (OHSL), USA.
- Projects advisor and Director, Phage Program at Open Source Pharma Foundation
- Advisor on a DBT-BIRAC project on endolysins

### Research focus: Finding Antimycobacterial Solutions

- **Bacteriophages**
  - The anti-mycobacterial potential of mycobacteriophages and the encoded lytic enzymes (endolysins) as alternative/adjuncts to antibiotics.
  - Development of Mycobacteriophage Bank and Endolysin Bank
- **TB drug discovery directed towards multi-target therapy:**
  - Discovery of new inhibitors with Mur enzymes in the cell wall biosynthesis pathway of *Mycobacterium tuberculosis* (Mtb) as the targets.
  - Drug-repurposing with Mtb Mur enzymes as target proteins

### Awards and Honours

- Feature among 35 *Vigyan Vidushis* in the country as Future Hopes by Vigyan Prasar, Department of Science & Technology (DST), Government of India. **2023**
- 'SBRT Fellow' Awardee by Indian Bacteriophage Society for Distinguished and Sustained contribution to Bacteriophage Science Communication. **2022**
- Featured in the list of *#365IndianWomxnInSTEM*, curated by TheLifeofScience.com. **2021.**
- Indian National Science Academy (INSA) Teacher Award. **2018**
- 'Excellence Award for Teacher in Service in College' for exemplary service to the University of Delhi. **2017**
- Meritorious Teacher Award, Directorate of Higher Education (DHE), Govt of NCT of Delhi. **2014**