



PROFILE

Junior Research Fellow,
School of Biomedical Engineering,
Indian Institute of Technology- BHU

PERSONAL INFORMATION

- Name: Lipi Pradhan
- Date of Birth: 22-04-1997
- Nationality: Indian
- Gender: Female
- Marital Status: unmarried
- Spoken Languages: English, Hindi, Odia (mother tongue), Bengali


ACHIEVEMENTS

1. Qualified CSIR NET JRF (Life science) with AIR-161
2. Qualified GATE (Life science)

CONTACT ME

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 School of Biomedical Engineering
Indian Institute of Technology- BHU
Varanasi, Uttar Pradesh, 221005

LIPI PRADHAN

Research Scholar

➤ RESEARCH EXPERIENCE

- Conducted synthesis and characterization of nanoparticles for biomedical applications
- Proficiency in handling a wide range of laboratory equipment
- Cultivated expertise in cell culture techniques, maintaining various cell lines
- Managed animal research protocols, including the handling and care of laboratory animals
- Fabricated hydrogel capsules for controlled drug delivery and tissue engineering applications
- Assisted in grant writing, project management, and mentoring undergraduate students in laboratory techniques and research methodologies.

➤ CONFERENCE AND WORKSHOP

- International 3D Lithography and Bioprinting (2023) on April 4th & 5th at IIT Bombay.
- International Conference on Advanced Materials for Better Tomorrow- II held at Banaras Hindu University from 10th to 13th October, 2023.
- Workshop on Advancement in Tissue Fabrication Technology held at School of Biomedical Engineering, Indian Institute of Technology (Banaras Hindu University), Varanasi on 18th and 19th December, 2023

► ACADEMIC QUALIFICATION

- PhD in Biomedical Engineering (2022- Present), School of Biomedical Engineering Indian Institute of Technology- BHU, Varanasi, 221005, Uttar Pradesh, India
- B. Ed in Biological Science method (2020-2022), D.B.M.S College of Education, Kadma, 831005 (Affiliated to Kolhan University), Jharkhand, India, Division/Class: 1st
- MSc in Zoology (2018-2020), Department of Zoology, Ranchi University, Ranchi, 834008, Jharkhand, India, Division/Class: 1st
- BSc with Zoology hons. (2015-2018), Stewart Science College, Cuttack- 753003 (Affiliated to Utkal University), Odisha, India, Division/Class: 1st
- 10+2 with Physics, Chemistry, Mathematics, Biology and English (2013-2015), D.A.V Public School, N.I.T campus, Adityapur- 831014, Jharkhand, India, Central Board of Secondary Education, India, Division/Class: 1st
- 10-th standard with Science, Social Science, Mathematics, English, and Hindi (2013) Kerala English Medium School, Champua- 758041, Odisha, India, Central Board of Secondary Education, Division/Class: 1st

► LIST OF PUBLICATIONS

1. Boram Kim, # **Lipi Pradhan**, # Andrea Hernandez, Devyani Yenurkar, Susheel Kumar Nethi, Sudip Mukherjee*. Current advances in immunomodulatory biomaterials for cell therapy and tissue engineering. Advanced Therapeutics, 2023, <https://doi.org/10.1002/adtp.202300002>.
2. **Pradhan, L.**, Mounika, B., Mukherjee, S. (2023). Plant Leaf-Based Compounds and Their Role in Nanomaterials Synthesis and Applications. In: Husen, A. (eds) Secondary Metabolites Based Green Synthesis of Nanomaterials and Their Applications. Smart Nanomaterials Technology. Springer, Singapore. https://doi.org/10.1007/978-981-99-0927-8_11
3. **Pradhan, L.**, Yenurkar, D., Mukherjee, S. (2023). Toxicity Assessment of Gold Ions and Gold Nanoparticles on Plant Growth. In: Husen, A. (eds) Nanomaterials and Nanocomposites Exposures to Plants. Smart Nanomaterials Technology. Springer, Singapore. https://doi.org/10.1007/978-981-99-2419-6_8