

Name: Ashish Tiwari

Degree: Doctor of Philosophy (Ph.D)

Current Affiliation: Postdoctoral Fellow in Biomedical Engineering

Current University: University of Delaware, Newark, United States

Email: atiwari@udel.edu, ashish.larpm@gmail.com

Research Interest: Nanomedicine, *In vivo* multiscale imaging, Inflammation imaging, Cancer theragnostic

Education: Ph.D in Material Science and Engineering from Indian Institute of Technology Mandi, India, M.Tech in Polymer Nanotechnology from CIPET, Govt. of India, M.Sc in Chemistry from Kanpur University, India

Previous Postdoctoral affiliation: Postdoctoral Fellow in Biomedical Engineering at the Technion-Israel Institute of Technology Haifa, Israel

Awards/Honors

- NSF-IEDH Postdoctoral Award, Class of 2024-2025, United States
- TEVA BioInnovator award, Class of 2022, Israel
- Jeff Postdoctoral Fellowship, for the year 2021-2023, Israel
- Second place in the best PhD Thesis award, Class of 2020, India

Publications: 5 Selected Articles

1. Ashish Tiwari et al. "Cross-modal imaging reveals nanoparticle uptake dynamics in hematopoietic bone marrow during inflammation." ACS-Nano (2024) 7098-7113.
2. Ashish Tiwari et al. "Multifunctional fluorescent SPIONs display exceptional optical/magnetic contrast and enhanced photoconductivity in interdigitated electrode based photoresponsive devices." RSC-Journal of Materials Chemistry A (2024) 3096-3110.
3. Ashish Tiwari et al. "Carbon coated core-shell multifunctional fluorescent SPIONs." RSC-Nanoscale (2018) 10389-10394.
4. Ashish Tiwari et al. "Multifunctional magneto-fluorescent nanocarriers for dual mode imaging and targeted drug delivery." ACS-Applied Nanomaterials (2019) 3060-3072.
5. Ashish Tiwari et al. "Curcumin encapsulated zeolitic imidazolate frameworks as stimuli responsive drug delivery system and their interaction with biomimetic environment." NPJ-Scientific Reports (2017) 1-12.

Outreach Interests and Experience

- Scientific workshops and Seminars
- Mentorship and Public speaking
- Education and Teaching
- Community engagement and Event organization