



NSHM Knowledge Campus, Durgapur,

Publication

Research & Review Articles

- Published “*Tumor Microenvironment-Expressed Enzymes Triggered Polymersomes for Liquid Biopsy and Cancer Diagnostics*” in **International Journal of Biological Macromolecules** (IF: 8.5, Elsevier, 2025).
- Published “*Design and Development of Ondansetron-Loaded Polysaccharide-Based Buoyant Formulation*” in **International Journal of Biological Macromolecules** (Elsevier, 2025).
- Published “*Plasma-Polymerized Chitosan/Agarose Composite Coatings for Antibacterial Wound Dressings*” in **International Journal of Biological Macromolecules** (Elsevier, 2025).
- Published “*Protein Delivery through Physical Enhancement in Transdermal Microneedle Systems*” in **Journal of Drug Delivery Science and Technology** (Elsevier, 2023).
- Published “*Enhancement of Glimepiride Solubility via Solid Dispersion Technique*” in **Journal of Pharmaceutical Innovation** (Springer Nature).
- Published “*Patient-Centric Sustained Delivery of Metoprolol Succinate using Natural Gum Blend Matrix*” in **Journal of Polymer Research** (Springer Nature).
- Published “*Silk-Based Polymeric Materials in Intravitreal Therapeutics*” in **Regenerative Engineering and Translational Medicine** (Springer Nature).
- Published “*Enhanced Ocular Delivery of Ofloxacin via Niosomal Gel*” in **Biomedical Materials and Devices** (Springer Nature).
- Published “*QbD-Driven Optimization of Ondansetron HCl Orodispersible Films*” in **Journal of Dispersion Science and Technology** (Taylor & Francis, 2026).
- Published “*Engineered Living Materials in Therapeutic Innovation*” in **Zeitschrift für Naturforschung C** (De Gruyter, Scopus Indexed).
- Published “*Optimizing Brain Drug Delivery using Nanosuspension*” in **Current Nanomedicine** (Bentham Science).

Published "*Transcriptomic Landscape of Rheumatoid Arthritis using RNA Sequencing*" in **INNOSC Theranostics and Pharmacological Sciences**.