

Dr. Santanu Ghosh, Assistant Professor, JIS University

Dr. Santanu Ghosh studied pharmacy and graduated from West Bengal University of Technology (WBUT) in 2009. He obtained the degree of Master of Pharmacy in Pharmaceutical Chemistry from the same university in the year of 2011. He completed his Ph. D. (Pharmacy) from Jadavpur University. He worked on the development of polymeric nanostructure mediated antileishmanial drug delivery during his doctoral studies. Dr. Ghosh did extensive postdoctoral research in several eminent universities and institutes in India. During his stay in the Department of Polymer Science and Technology, University of Calcutta, he worked on the carbon nanomaterials as non-viral gene delivery vectors and diagnostic tool for the treatment and diagnosis of triple negative breast cancer. He further continued his postdoctoral research at the Department of Materials Engineering in Indian Institute of Science (IISc), Bangalore. There, his research interest was to develop two-dimensional (2D) biomaterials and explore their efficiency in the field of biomedical sciences. He also worked on injectable self-healing hydrogels for soft tissue engineering and bio-adhesive applications. He also worked in a close collaboration with a pharmaceutical company to develop hemostatic dressing material. Overall, Dr. Ghosh's research interest includes but not limited to drug delivery, gene delivery, nanomaterials, hydrogels, tissue engineering.

In his research career, Dr. Ghosh has been awarded with several prestigious fellowships and awards from Government of India, like, UGC-BSR research fellowship, Indian Council of Medical Research (ICMR) senior research fellowship, Department of Biotechnology (DBT) research associateship, National Postdoctoral Fellowship (NPDF) from Department of Science & Technology- Science and Engineering Research Board (DST-SERB).

He published several peer-reviewed articles in international journals, along with book chapters. He served as a reviewer of several prestigious journals, like, RSC Advances (The Royal Society of Chemistry), Journal of biomaterials Science- Polymer Edition (Taylor & Francis) etc. Currently, He is working as an Assistant Professor in the School of Pharmaceutical Technology, JIS University, India.