

Dr. Jayanta Haldar is a Professor at the New Chemistry Unit (NCU) and the School of Advanced Materials (SAMat), Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bengaluru, India, where he heads the Antimicrobial Research Laboratory. He is an alumnus of Presidency College, University of Calcutta, and obtained his PhD from the Indian Institute of Science (IISc), followed by postdoctoral research at the Massachusetts Institute of Technology (MIT). His research integrates interdisciplinary approaches spanning medicinal chemistry, chemical biology, and biomaterials science to understand and combat antimicrobial resistance (AMR). His laboratory focuses on developing next-generation anti-infective therapeutics and smart biomaterials designed to prevent infections, disrupt biofilms, and promote wound healing. His work has been widely published in high-impact international journals, translated into multiple national and international patents, and featured in prominent science forums and media outlets including BBC News, Chemical & Engineering News, Scientific American, and The Telegraph.

Prof. Haldar currently serves as the Editor-in-Chief of ACS Infectious Diseases and has been a member of the editorial boards of Biomacromolecules (ACS), Biochemistry (ACS), Bioconjugate Chemistry (ACS), RSC Medicinal Chemistry, and Microbial Pathogenesis (Elsevier). He is an elected Fellow of the Indian Academy of Sciences (IASc), the Indian National Science Academy (INSA), and the Royal Society of Chemistry (FRSC), UK. His contributions have been recognized with numerous prestigious awards, including the Ramanujan Fellowship (Government of India), Sheikh Saqr Career Award Fellowship, the 8th National Award for Technology Innovation from the Ministry of Chemicals & Fertilizers (Government of India), the CDRI Excellence in Drug Research Award in Chemistry, the CRSI Bronze Medal, and the MRSI Medal, among others.