



**PROFESSOR PRADIP KUMAR CHAKRABORTI, HoD**

**Specialization** : Molecular Biology

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**Professor (Dr.) Pradip K Chakraborti** received his Ph.D. in the area of biological sciences from Visva-Bharati (a Central University founded by Nobel laureate Rabindranath Tagore), Santiniketan, India. He pursued his postdoctoral fellowship in Canada and USA. On completion of his training in Molecular Biology/Biochemistry under the Fogarty International program from the National Institutes of Health, Bethesda, USA, Prof. Chakraborti joined the CSIR-Institute of Microbial Technology, Chandigarh as a Senior Scientist in 1993. His work on the biology of *Mycobacterium tuberculosis* involves notable contributions in understanding the involvement of a natural transport system in the process of efflux mediated drug resistance, characterization of a eukaryotic-type serine/threonine kinase that has a role in mycobacterial cell division as well as peptidoglycan synthesis, and establishing peptide deformylase as an essential enzyme. These works hold great promise in understanding their fundamental mechanistic contributions as drug targets for screening/designing of novel antimycobacterial compounds. His studies resulted in several publications in reputed peer reviewed journals, patents and book chapters (see Research gate, Google scholar etc.). Prof. Chakraborti is a recipient of the National Bioscience Award for Career Development and the prestigious JC Bose National Fellowship. He is an elected fellow of all three prominent Science Academies in India, the National Academy of Sciences, Indian Academy of Sciences and the Indian National Science Academy. He is an elected member of Guha Research Conference, a regular member of American Society for Biochemistry and Molecular Biology, a Life member of Society for Biological Chemists. He joined Jamia Hamdard as a Professor in the Department of Biotechnology at School of Chemical and Life Sciences in 2017. Prof. Chakraborti has guided many graduate (M.Sc/Ph.D) students over the years and is involved in different administrative activities within or outside Jamia Hamdard.

(see [https://en.wikipedia.org/wiki/Pradip\\_K.\\_Chakraborti#Selected\\_bibliography](https://en.wikipedia.org/wiki/Pradip_K._Chakraborti#Selected_bibliography)).