



## Biography

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Dr. Debnarayan Jana, a brilliant academic record holder, completed the doctoral study from Raman Research Institute in 1997 and joined the Dept. of Physics, Narendrapur RKMR College as a lecturer. In 2000, he joined the prestigious department of physics, University of Calcutta as a lecturer and subsequently promoted to Professor of Physics in 2012. Dr. Jana has served the Department of Physics, University of Calcutta since 2000 as a distinguished teacher as well as frontier researcher in both theoretical and experimental condensed matter physics. He had visited and delivered lectures in ICTP (Italy), ETH (Switzerland), CERN (Switzerland) and other prestigious universities /institutes in Europe. He was a visiting **fellow in CCMS (NTU, Taiwan)** from 2003-04. Although he is trained as theoretical condensed matter physics, however, he has been able to contribute significantly in the experimental research on defect physics of nanomaterials such as ZnO. As a result, his first

2 students obtained Ph.D. degree from University in the field of experimental condensed matter physics. At present, about 7 students are working with him to finish their Ph.D. research work and **16** of them had been awarded Ph.D.

Apart from this, he has been involved in problems with non-equilibrium statistical mechanics such as interface growth problems. Most recently, he has been actively interested in density functional theory studies of low dimensional systems such as carbon nanotubes, graphene and silicone. Till date, 5 UGC D S Kothari post-doctoral fellows have joined with Dr. Jana. He was elected as a Fellow of West Bengal Academy of Science and Technology (WAST), in 2015. He was awarded as Distinguished Scientist in Physics by Venus International Research Award (VIRA) in 2017. About 25 Ph.D. theses of different Indian Universities have been examined by Dr. Jana so far. He has more than **190** papers in national and international peer reviewed journals. Along with his distinguished collaborators, he had written six review articles and one of his works in ZnO published as an invited review in Prog. Mat Science in 2009 is highly acclaimed by the material science researchers. As recognition of his research career, he is associated as reviewer of many high impact journals.

Several popular science lectures have been delivered in various schools, colleges and National Science Camp, Digha Science Center to motivate the young talented students for pursuing research career in Science. Dr. Jana is also engaged as an honorary guest teacher in the postgraduate courses in Narendrapur R. K. M. R. College, Narendrapur, Kolkata-103, W.B. He is a life-member of Indian Physical Society and was an Editorial Member of Indian Journal of Physics (2003-04). His 26 year's experience in physics teaching has motivated to write 15 books in Physics, two of them are published by LAP, Germany. Of late, Govt. of India has honored him with prestigious **INSA Teachers Award** (2020), Govt. of India for his accomplishments as a distinguished teacher over the years.