

Short CV Dr. Hirok Chaudhuri

Dr. Hirok Chaudhuri is currently the Associate Professor at the Department of Physics, National Institute of Technology Durgapur (NITD), India. . He is also an adjunct faculty and joint coordinator of the Center for Research on Environment and Water at NITD. He obtained his B. Sc. Hons (Physics) and M. Sc. (Physics) from Burdwan University, West Bengal, India. He completed his Ph D in experimental physics from Saha Institute of Nuclear Physics, Kolkata, India, and he performed Post-Doctoral research activity at Variable Energy Cyclotron Center [VECC, a unit of the Department of Atomic Energy, Government of India], Kolkata, India. His major areas of research interests include geochemistry for groundwater and surface water, Wastewater Treatment using nano-technology, Geochemical Precursors for Earthquakes, Geothermal Exploration, Helium Exploration, Environmental Radioactivity, Nonlinear Dynamics. He has published 29 scientific papers in peer-reviewed journals and contributed to 9 book chapters. His current supervision includes 25 Masters and 6 Doctoral students. He is the founder coordinator of the Science Museum at NITD. He is also acting as joint coordinator for the Center for Digital Learning (CDL) at NITD. Dr. Chaudhuri is also working as a member of the International Thematic Group (ITG) of the Brazil-Russia-India-China-South Africa (BRICS) Network University Programme on Water Resources and Pollution Treatment. He was selected as a Fellow of the Earth Science Society of India in 2015. He is a member of the State Level Steering committee and nodal officer for Rashtriya Avishkar Abhiyan (RAA) [a flagship programme of the Govt. of India, Ministry of Education] for the state of West Bengal to promote science. He served as the co-coordinator for Unnat Bharat Abhiyan (a flagship programme of Govt. of India, Ministry of Education to promote technology for the development of rural India) for the state of West Bengal and Sikkim. Dr. Chaudhuri received Visiting Scientist Fellowship from Govt. of India, Department of Atomic Energy at VECC, Kolkata. He was also awarded by ONGC (Oil and Natural Gas Corporation), India, in 2009 for his significant contribution in R & D Activity on the country's first Pressure Swing Adsorption based Prototype Helium Purification Plant at ONGC's Kuthalam GCS, Tamilnadu. He delivered more than 45 invited talks at different parts of the globe. He is also working as a Reviewer in reputed international/national journals. He participated in many media interviews by regional and national TV channels and newspapers related to his research activity and popularised science and technology. He has several national and international collaborations with different universities and research institutes, industries from Russia, China, Brazil, South Africa and Germany. Presently he is working as the investigator of three research projects (both national and international status) and two academic and societal development projects. Dr. Chaudhuri completed three research projects funded by Govt. of India MHRD, SERB, DST. Dr. Chaudhuri teaches for the B. Tech., M. Tech (Advanced Material Science and Technology) and M. Sc. (Physics) levels and Ph D course work. He has organised more than 20 Seminars, Short Term Courses, Summer Schools, Winter Schools, and Conferences, including GIAN programme and International Conferences.

