



Dr. Aninda Mazumdar

Smt. Ketharaju Venkata Subbamma - Sri. Subba Rao Medal

Dr. Aninda Mazumdar graduated from the University of Delhi and subsequently completed his Masters in Applied Geology from the Indian Institute of Technology, Mumbai. After completing his Doctoral thesis in Geology from University of Delhi, he went ahead with post doctoral research assignments in India and abroad. He is a recipient of prestigious Alexander von Humboldt Fellowship and the Japanese Society for Promotion of Science Fellowship. Dr. Mazumdar has also received the National Geoscience Award-2012.

Prior to joining the gas hydrate research group at the National Institute of Oceanography, Dr. Mazumdar had made major contributions in the field of late Proterozoic-early Cambrian boundary problem and early Cambrian phosphogenesis. His present research interest include Gas Hydrate exploration in the Krishna-Godavari and Mahanadi basins, sediment biogeochemistry off the west coast, iron-sulfur speciation and stable isotope ratios in sediment and organic geochemistry.

Dr. Mazumdar's work in sediment pore-fluid chemistry and Fe-C-S-Mo studies span both applied and basic sciences. He has demonstrated the significance of sediment pore water sulfate and methane distributions and their link to underlying gas hydrate deposits in the K-G and Mahanadi basins. He has combined the geochemical and geophysical data thereby enabling a far improved scientific understanding the processes of hydrate formation and their exploration strategy. Dr. Mazumdar's work on C-S-Mo systematics can be used as a vital geochemical tool to understand water column/ sediment-water interface sulfidization due to anoxia caused by eutrophication, an emerging problem in coastal areas all over the world.