

Bio-Data



Dr. Manavalan Satyanarayanan (born on 22nd April 1971) is a Scientist from the CSIR-National Geophysical Research Institute, Hyderabad, and has contributed in the field of Analytical Geochemistry for studies related to Ni-Cu-PGE mineral exploration and trace elements geochemistry in environment, in a research career spanning more than 17 years. He has been training earth science students and research scholars from universities and R&D institutes across the country on application of Inductively Coupled Plasma Mass Spectrometry in Earth Sciences.

Dr. Satyanarayanan passed B.Sc. (Geology) from Presidency College, Chennai securing first rank during 1992 and M.Sc. (Applied Geology) from University of Madras in 1994 before completing his Ph.D., in Applied Geology (Geochemistry) from the same University during March 2001. He is an active scientist with inclination towards development of methods for analysis of geological samples, modifying existing analytical tools to enhance/optimize the geochemical analysis and has extensively worked in Inductively Coupled Plasma Mass Spectrometry (ICP-MS) for the past several years. He has also worked in XRF Spectrometry, SEM-EDX Spectrometry and Atomic Absorption Spectrometry and has associated with his fellow colleagues in improvising these methods to suite the analytical requirement. His doctoral thesis was on Hydrogeochemistry and Pedogeochemistry of Salem magnesite mine area in Tamil Nadu, with special reference to chromium speciation in groundwater, by which he has identified the source and occurrence of hexavalent chromium in groundwater. Dr.Satyanarayanan current research work on mineral exploration pertains to studies on petrology and geochemistry of intraplate mafic/ultramafic complexes with special reference to platinum group elements (PGE) metallogeny.