

**Dr. V. Nandakumar**

Dr. V. Nandakumar is Scientist F in the Crustal Processes Group of NCESS. He took B.Sc. (1986), M.Sc. (1988) and Ph.D. (1992) in geology from the Kerala University, and started his career as Scientist in 1994. He headed several research projects as Principal Project Coordinator or as Principal Investigator funded by various agencies of the Government of India and the Government of Kerala. Some of these projects were of multidisciplinary and multi institutional in nature, and significantly contributed to socio-economic fields with important implications on environmental and societal benefits.

In the fundamental research field, Dr. Nandakumar is actively involved in the field of application of petrologic and fluid inclusion techniques in two frontier themes of global interest: (1) granulites and deep crustal processes; and (2) petroleum exploration. He established a state-of-the-art research facility at NCESS equipped with fully automated heating-freezing stage with microscope attachment and Laser Raman Micro spectrometer. His research on the petrology and pressure-temperature conditions, zircon geochronology and fluid inclusions in granulite facies rocks provided new insights on deep crustal processes, melt movements during high grade metamorphism and regional tectonics associated with global supercontinent assembly. His contributions on petroliferous basinal fluid inclusions offer potential guidelines and technologies to locate and tap the hydrocarbon reserves in the petroliferous basins of India.

Dr. Nandakumar has published twenty one high impact research articles in peer-reviewed national and international scientific journals including Gondwana Research, Journal of Petrology, Journal of Geology, etc. He was awarded CSIR- JRF in 1988 and was a research scholar in CESS. He was awarded British Royal Society-INSA fellowship for higher research in U.K. twice (1998 and 2010), where he performed advanced research at the University of Edinburgh. He has collaborated with world-renowned scientists and his vision and dedication for innovative research are highly applauded. He is a life member in many professional and academic bodies of repute like the Geological Society of India, Indian Society of Remote Sensing, Mineralogical Society of America and the Soil Conservation Society of India. He represented NCESS in several National and International Conferences and visited UK, Japan and France.

Dr. V. Nandakumar is awarded Certificate of Merit for his outstanding contributions in the field of Geo Sciences.