

Bio-Data



Dr. T. S. Sunilkumar

Dr. T. S. Sunilkumar obtained his M. Sc. degree in Geology from University of Kerala, and did his Ph.D. from Osmania University. He started his professional career in Department of Atomic Energy, at Ore Dressing Section of Bhabha Atomic Research Centre in 1988. He is currently working in Atomic Minerals Directorate for Exploration and Research (AMD) since 2001, and is associated with the uranium exploration programme. Dr. Sunilkumar is a professional geologist and researcher with 25 years of experience on varied aspects of geochemistry, ore mineralogy of uranium, strategic and precious metals and uranium exploration.

Major contributions of Dr. Sunilkumar as an ore-mineralogist include petro-mineralogical studies of (i) uranium ores at viz. Jaduguda, Bhatin and Narwapahar, Singhbhum Shear Zone; Domiasiat, Meghalaya; Gogi, Karnataka; Lambapur-Peddagattu, Andhra Pradesh, (ii) Beach sand deposits of Ratnagiri, Maharashtra, Kalingapatnam and Bhavanapadu, Andhra Pradesh, (iii) Tungsten deposits of Burugubanda-Tapaskonda, Andhra Pradesh; (iv) gold-PGE-silver occurrence at Jaduguda, Jharkhand and Khetri, Rajasthan; (v) Tin ore from Tosham, Haryana, (v) Cu ores of Malanjkhand, Madhya Pradesh and Kalyadi, Karnataka (vi) Pb-Zn ores of Rajpura-Dariba and (vii) phosphorites of Jhamarkotra, Rajasthan. His research work on uranium metallogeny along the Singhbhum Shear Zone incorporates several new findings on ore mineralogy, mineral chemistry and geochemistry. For this research work he was awarded Ph.D degree in Geology by Osmania University, Hyderabad in 2001.

As a uranium geologist, Dr. Sunilkumar has worked in different geological terrains in parts of Cuddapah basin, Andhra Pradesh for unconformity-related uranium mineralisation, and in parts of North Delhi Fold Belt, Haryana and Rajasthan for albitite-related mineralisation. One of the contributions by Dr. Sunilkumar is integrated geochemical, geological, and gamma-ray spectrometric survey for uranium in parts of Haryana and Rajasthan along the northeastern parts of albitite zone in North Delhi Fold Belt. He was engaged in exploration of uranium mineralisation at Antri-Biharipur, Haryana and Gorir-Ilakher, Rajasthan. Extensive studies on mineralogy and geochemistry of alkali-metasomatised rocks and associated granites has been carried out along this tract. Dr. Sunilkumar has also carried out target radiometric checking, geological mapping and geochemical studies in parts of Kurnool sub-basin.

Dr. Sunilkumar has 25 research papers to his credit, and is life member of Geological Society of India, Indian Nuclear Society and Indian Society of Applied Geochemists. Presently, he is working in the Planning and Management Services Group of AMD.