



**Dr. A. Premadas**

**Dr. G. R. Udas-Dr. K. K. Dwivedy Medal**

Dr. A. Premadas obtained his BSc., degree from Kerala University, M. Sc., M.Phil., and Ph.D., degree in Analytical Chemistry from Aligarh Muslim University. He did his research work under the guidance Dr. K. G. Varsheny on Synthesis, Characterisation and Analytical Applications of Inorganic ion exchangers. Dr. Premadas joined the chemistry laboratory of Atomic Minerals Directorate For Exploration and Research (AMD), Hyderabad during 1981 and is currently working as Scientific Officer-G. Over three decades he had developed expertise in the analysis of uranium, thorium, and rare earth elements (REEs) in different type of samples like rocks, soil, minerals, ores, hydrometallurgical beneficiation products of uranium ores, environmental samples, coal fly ash, and red mud, right from parts per million to percentage levels. Besides he was also associated in developing methodology for the analysis of major, minor and trace elements in heavy minerals like columbite, tantalite, monazite, ilmenite, rutile and zircon. His research areas of interest are (i) laser fluorimetric determination of uranium in hydrogeochemical, environmental, and industrial waste samples. (ii) Separation of microgram quantities of REEs in geological samples employing separation techniques like co-precipitation, ion exchange, and solvent extraction (iii) Elemental analysis using FAAS and ICP-AES. Dr. Premadas had published 30 research papers in national and international journals of repute, and presented nearly 33 papers in national/international symposia, seminars and workshop.