



### **K. Satyanarayana**

Dr. K. Satyanarayana did his M. Sc. in Analytical Chemistry from Andhra University in the year 1975. He joined Petrology Division, NGRI, Hyderabad during February 1977 and worked for about two years. Then, he joined Atomic Minerals Directorate for Exploration and Research (AMD), Department Of Atomic Energy, Hyderabad during January, 1979 and since then he is working in various capacities at different places including North Eastern Region, Shillong, Southern Region, Bangalore and presently at Headquarters, Hyderabad. He was awarded Ph. D in the year 1986 by Osmania University on the topic “Geochemistry of Amphibolites and associated rocks from Kalichedu-Degapudi area of Nellore Schist Belt, Andhra Pradesh, India” under the guidance of Dr. D. N. Kanungo and Dr. R. Dhana Raju. He had developed expertise in himself in the analysis of a variety of geological materials including rocks, ores, minerals, beneficiation products, leach liquors, hydrogeological samples etc for more than 50 elements. He has mastered the most sophisticated instrumental techniques like Atomic Absorption Spectrometry (AAS), Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP-AES), Fluorimetry (Laser and Pellet) etc. and published about 70 research papers in National and International Journals. He has also visited Melbourne, Australia in the year 1990 for giving lecture series on newly developed ICP-AES technique.

Presently, Dr. K. Satyanarayana is working as Head Chemistry Group providing technical guidance to about 60 analytical Chemists working at Hyderabad and other Regional Laboratories of AMD. He has attended a number of national and international seminars, workshops, technical courses etc. and presented papers besides delivering invited lectures on various occasions. He has also organized a number of seminars, symposia, workshops, exhibitions, nuclear awareness programmes etc. at different places. He has been Life Member of many professional bodies such as:

1. Indian Society of Analytical Scientists
2. Indian Nuclear Society
3. Indian Society of Applied Geochemists
4. Indian Society of Environmental Geoscientists etc.

He has made significant contributions in the field of Characterization and quantification of different geological materials for various elements from major to trace and ultratrace levels using state-of-the-art instrumental techniques. He was deeply involved in characterization of Nuclear Grade Uranium and Thorium for various trace elements by participating in Inter-Laboratory comparison Experiments (ILCE) programmes. He was also associated with International Geostandards Programme of Dr. Govindaraju of France and National Geostandards Programme of GSI, DAE etc. He was also associated with adjudication of Ph. D thesis from Osmania University.