



Dr. Minati Roy

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

Dr. (Mrs.) Minati Roy, Scientific Officer, G is the Incharge of Petrology and EPMA laboratories of AMD, Department of Atomic Energy, Hyderabad. She did her M.Sc. (Geology) from Utkal University, Bhubaneswar and Ph. D. (Geology) from Bangalore University, Bangalore. She has more than 30 years of experience in Petrology, Mineral chemistry and Geochemistry of atomic minerals.

She has worked in different Regional Head Quarters (Bangalore, Hyderabad and New Delhi) of Atomic Minerals Directorate (AMD) and was actively involved in the ongoing exploration activities for uranium exploration. Her contribution through a detailed study of petromineralogy and Electron Microprobe (EMP) based mineral chemistry of major uranium deposits of India like the dolostone hosted stratabound type at Tummalapalle, A.P., metasomatite type at Rohil, Rajasthan, metamorphite type at Singhbhum, Jharkhand, unconformity related type at Lambapur, Telangana, granite related deposit at Gogi, Karnataka etc. is noteworthy. She has contributed significantly in understanding the depositional environment as well as controls of uranium mineralisation, the largest stratabound carbonate hosted uranium deposit at Tummallapalle, Cuddaph dist., A.P. through her R&D and Ph.D. work. She has published 35 research papers in various national and international journals.

As incharge of laboratories, she has contributed in infrastructural development of petrology and EPMA laboratories as well as procurement of high end research instruments like research polarizing microscopes, fluid inclusion study systems, image analysing systems, electron microprobe analysis instrument, automated mineralogy analyser etc. She has been associated in imparting training to newly recruited trainee officers of BARC Training School- AMD Campus. She is a recognized guide of Utkal University, Aligarh Muslim University and Delhi University. She has guided one Ph.D. student and is presently guiding two students.

She was associated with organizing various international and national symposium like “Peaceful Uses of Atomic Energy, 2009” which was organized at Vigyan Bhawan” as part of golden Jubilee celebration of DAE and 25th Annual Conference of Indian Nuclear Society- INSAC-2014. She has delivered invited lectures at the Geological Society of India, Bangalore and Electron Microscopic Society, Mumbai.

She is life member of various professional organizations like Geological Society of India, Bangalore, Electron Microscopic Society of India, Mumbai, Indian Nuclear Society, Mumbai, Indian Institute of Mineral Engineers, Hyderabad, Indian Society of Applied Geochemists, Hyderabad and Indian Science Congress Association, Calcutta.