



Rahul Banerjee

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

Dr. Rahul Banerjee is a M.Sc. gold medallist from BHU and did his Ph.D. from Nagpur University. He is a professional exploration geologist and researcher with 30 years of experience. Since last 27 years, he is associated with the uranium exploration programme in Atomic minerals Directorate for Exploration and Research (AMD) and worked in different geological terrains of Central, Western and Southern India. His model based uranium exploration approach has resulted in location of significant U occurrences in migmatitic terrain of Surguja (Chhattisgarh), in Bijali Rhyolite and Bortalao Sandstone of Dongargarh Supergroup in Gondia district and in Precambrian granitoids of Sindhudurg district (Maharashtra), RM & REE bearing radioactive rhyolite at Osham and Alech hills in Rajkot and Junagarh districts (Gujarat) and radioactive lamprophyre dykes in Erinpura Granite in Sirohi district (Rajasthan).

During last decade, Dr. Banerjee's intensive radiometric survey (1999-2002) and R&D work on NE extension of PGC in parts of Nanded and Yeotmal districts (Maharashtra) has resulted in location of U and REE bearing granitoids and phosphatic cherty cataclasites vis-à-vis creation of exhaustive Geochemical, Geochronological, Petromineralogical and Remote Sensing database. His association with Remote sensing and AGRS data integration work (2004-2006) has helped in narrowing down the target areas for U exploration in the environs of Son–Narmada lineament in Sidhi, Betul and Chhindwara districts (M.P.) while ground validation of data has led to discovery of new radioactivity anomalies. He has also successfully supervised U exploration in Vindhyan and Gondwana Basins (2007-2009) and established some significant radioactivity and hydro-uranium anomalies and polymetallic mineralisation along Kubari–Semariya and Tarka–Baharia fault zones (Sidhi district), and fracture–controlled sandstone hosted U mineralisation in Motur, Bijori, Pachmarhi and Denwa formations. He is presently supervising extensive U exploration programme in Palnad Sub-basin, Cuddapah Basin in parts of Nalgonda district, A.P., and identified five major lithofacies in shallow dipping Banganapalle Formation on the basis of borehole litho-logs. Uranium mineralisation is hosted by Banganapalle sediments directly overlying the basement granites and occur in three distinct correlatable bands i.e., two sub-horizontal lodes in upper quartz arenite unit and one lode in basal conglomerate/grit.

Dr. Banerjee has 40 research papers to his credit and guiding two research students for Ph.D. He is also Joint Editor of Gondwana Geological Magazine and Editor of AMD's in-house journal EARFAM. He is Fellow/Life Member of Nine Geoscientific Societies.

The Executive Council (EC) is pleased to award him the medal and certificate in recognition of his research work.