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Dr. Nurul Absar

Prof. J.S.R. Krishna Rao - Dr. R. Dhana Raju Medal

Dr. Nurul Absar presently working as Assistant Professor in the Department of Earth Sciences, Pondicherry University, Puducherry, India. He did his B.Sc (1994), M.Sc (1996) degree in Geology from Department of Geology, Aligarh Muslim University and was awarded University medal for securing 1st position in M.Sc examination. He worked on sedimentology, geochemistry and Nd-Sr-Pb isotope systematic of Proterozoic cover rocks of Bundelkhand Craton (Gwalior-Vindhyan basin) on a broad theme of 'crustal and hydrosphere evolution at Archean-Proterozoic boundary', in collaboration with Geochemistry Laboratory, NGRI and Geochronology Laboratory, AMD-Hyderabad under the supervision of Dr. S.M. Naqvi, Prof. M. Raza and Dr. Minati Roy. The results has been used for Ph.D degree in Geology by Aligarh Muslim University in 2006. The areas of research include Precambrian Geology and uranium metallogenesis.

He has 18 years of research experience he has worked as Scientific Officer in Atomic Minerals Directorate for Exploration and Research (AMD), Dept of Atomic Energy. During my tenure at AMD, I worked on uranium exploration in varied geological terrains (1) Proterozoic cover rocks of Bundelkhand craton (Gwalior and Vindyan Group) for Protoerozoic unconformity type U mineralisaton, (2) Tertiary foreland basins of Himalaya (Dharamshala and Siwalik Group) for sandstone type U mineralization and (3) Cambrian Lesser Himalaya (Krol & Tal Group) for black shale and phosphorite type U mineralization.

His key research contribution include (1) characterization of provenance and tectonic evolutionary model of Proterozoic basins of Bundelkhand and Aravalli craton, (2) direct Pb-Pb dating of chemical sediments of Paleoproterozoic Gwalior basin and (3) deduction of detailed metallogenetic and tectonic model of formation of strata-bound uranium deposit of Lower Cuddapah Group.

Till date he published several research papers in reputed international journals like Precambrian Research, Lithos, International Geology Review etc.; guided several students for M.Sc (Geology) and M.Tech (Exploration Geoscience) dissertation and currently three students are working for Ph.D under my supervision. He is a fellow and life member of many learned bodies, such as Geological Society of India, Indian Society of Applied Geochemists, Indian Association of Sedimentologists, and The Society of Earth Scientists. He has served as reviewer for several reputed international journals such as, Precambrian Research, Journal of Geology, Journal of Asian Earth Science, Geosciences Journal, Turkish Journal of Earth Science and Journal of Earth System Science.

Currently he is involved in studying Precambrian crustal and atmospheric evolution, using geochemistry and radiogenic stable isotope systematic of Proterozoic sediments of Eastern Dharwar craton as tools, and also working on uranium metallogeny of Eastern Dharwar craton.