



**Dr. Asoori Latha**

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

Dr. Asoori Latha has obtained B.Sc. (Hons), M.Sc (Geology) and Ph.D from Osmania University. Dr. Latha is presently working as Scientific Officer - F, Petrology Laboratory of Atomic Minerals Directorate for Exploration and Research, Department of Atomic Energy, with U-TH-RMRE minerals specialization and has 23 years of research experience in the field of petrology to understand petrogenesis and ore genetic processes. Her spectrum of work mainly constitutes understanding the evolutionary process of host rocks and U-TH-RMRE minerals based on petrography and other micro-domain studies. Over the period, she has developed conceptual models that helped in planning the exploration for uranium, specially in three areas, 1) Unconformity related deposits at Koppunuru Guntur district (A.P.) and at Chtrial, Nalgonda district (Telangana), 2) Uranium deposit in Mahadek Sandstone at Umthongkut and Wahkut areas of Meghalaya and 3) Metasomatite type uranium mineralization in BGC terrain at Nayagaon-Bichun, Jaipur district of Rajasthan. Besides, made significant contributions in petrology of the different geological terrains by identifying certain unique rock types/ minerals for the first time in those environments and thus throwing new insights into those geological settings. As Principle Investigator of research projects of Atomic Minerals Directorate completed two R & D Projects: 1) Petrography of Radioactive and non-radioactive rocks from Koppunuru Prospect and adjoining areas, Nalgonda District, A.P. and 2) Petromineralogical studies of Mahadek sediments for the entire Mahadek Basin to understand the genetic aspects of uranium mineralization with special reference to detailed study of Lower Mahadek Sandstone Formation of Umthongkut and Wahkhyn areas to decipher role of tuffaceous/ carbonaceous matter in fixation of uranium. She has published 17 articles in reputed journals focusing on radioactive minerals and has presented 13 research papers in different National and International conferences. Besides, she is also associated with both In-house training as well as training to personnel from outside organizations/universities, represents AMD during Public Awareness Programme, where public are briefed regarding the activities of AMD, uranium exploration and contributing as a member of Central Core Library Committee of AMD, Cherlapally,