

Women Scientist

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Biography of Dr. Poornima Varma

Dr. Poornima Varma is working as Women Scientist in the Department of Physics at Dr. H. S. Gour Central University, Sagar, Madhya Pradesh in India. She started her career as research scholar in Space Plasma Physics in 1988 and joined MAPCOST project as junior research fellow in the Department of Physics, Dr. H.S.Gour University, Sagar (M.P.) in India. After completing her Ph.D. degree in 1992 she was awarded CSIR National fellowship for her post doctoral work. During her post doctoral tenure she was awarded best paper presentation award in national conferences and honoured as Young Scientist Award by ISCA in 2002. After that she joined the ISRO project as senior research fellow. During the project work she taught the degree courses regularly in the department and designed following courses at University Syllabus: 1. Ph.D. Course Syllabus for Advance Plasma Physics, 2. M.Sc. IVth Semester Plasma Physics. 3. An elective paper of Atmospheric Physics for PG in IIIrd Semester. These courses were successfully run in the Department. In 2004 she was awarded the women scientist by DST through sanctioned major research project. During her research career she published more than 106 research papers in cited journals and various national and international conferences. She is life member of ISCA, Calcutta and Plasma Science Society of India, Ahmedabad. She completed 11 major research projects sanctioned by various funding agencies as UGC, DST, ISRO and CSIR as Principal and Co-Principal Investigator and guided Ph.D. student and M.Sc. student regularly. Presently she is reviewer of national and international journals and reviewed research papers in Planetary and Space Science, (Elsevier, U.K.) European Journal of Physics, (France), Astrophysics and Space Science, (Springer, Netherland), Indian Journal of Pure and Applied

Physics, Physical Review & Research International, Indian Journal of Physics, India. Her research work are cited by many authors and read in many country and institutions shown by research gate site regularly.

Her research interest is Theoretical Modulation of Plasma Approach in Space Physics; Magnetosphere-Ionosphere Coupling; Auroral Electrodynamics; Earth's Magnetosphere; Gas discharge physics; Theoretical Approaches; Atmospheric Physics; Low frequency waves phenomena. Multi-ions plasma in various space regions, homogeneous and inhomogeneous plasma; Homogeneous and inhomogeneous multi-ions plasma.