

Dr. Geetha Ramkumar

Scientist SG; Head, Atmospheric Dynamics Branch

Space Physics Laboratory (SPL), Vikram Sarabhai Space Centre

Indian Space Research Organization (ISRO)

Thiruvananthapuram – 695 022, Kerala, India

E mail: geetha_ramkumar at vssc dot gov dot in

Research Area & Research Interests

- Dynamical processes in the Tropospheric-Stratospheric-Mesospheric - Lower Thermospheric regions
- Atmospheric Convection/Waves/Oscillations/Circulations and Climate
- Insitu/Remote Sensing of the different Atmospheric regions
- Vertical/ horizontal coupling in the Earth's Atmosphere

Academic Qualification

M.Sc. Physics; Ph.D in Physics

Professional Background

1985 – Till date : Joined as Scientific Assistant C;
Presently Scientist SG and Head of Atmospheric Dynamics Branch,
SPL.

2003 – Till date : Registered Guide for Ph.D., University
of Kerala, Thiruvananthapuram, Kerala, India

Reviewer : JGR- Atmospheres, JESS, JASTP, IJRSP

Awards & Honors : Best Paper Awards in NSSS

Membership in Professional Bodies:

Life Member, Indian Meteorology Society (IMS)

Life Member, Kerala Academy of Sciences (KAS)

Life Member, Administrative Staff College of India(ASCI)

Professional Responsibilities

As Head of Atmospheric Dynamics Branch, planning and managing the scientific programs of the branch, regularly monitoring and properly running the experimental facilities in the branch with the support of the team of scientists and engineers. Principal Investigator/Co-ordinator of five year long national program- ISRO's Middle Atmospheric Dynamics –MIDAS (2002-2007). Principal investigator for coordinated campaigns under International CAWSES/ CAWSES-INDIA Phase I/ II programs. Principal investigator for Middle Atmospheric Dynamics studies in connection with Solar eclipse 2009 and Sooryagrahan 2010. Team Lead for Integrated Lidar System-Approved project in 12th Five year plan. Convener, Inter-Centre Expert Committee for Integrated Lidar System at SPL.

Member, FAST Track Committee, SERB, DST

Member, Project Implementation Committee, ST Radar, Kochi

Research Supervision

Two students under my supervision got Ph.D degree awarded from University of Kerala, India.

Publications in Peer Reviewed Journals : 75