

AWARDS AND HONOURS



Awards and Honours

1. **Dr. Anil Bhardwaj**
Elected Member, International Astronomical Union, 2009
Elected Fellow, Indian National Science Academy, New Delhi, 2010
2. **Dr. Suresh Babu S.**
International SCOPUS Young Scientist Award from Elsevier Sciences, 2009
National Academy of Sciences, India (NASI) Platinum Jubilee Young Scientist Award, 2009
3. **Dr. Kishore Kumar K.**
INSA Young Scientist Medal -2010, Indian National Science Academy.
4. **Shri. Mohankumar S. V., Anil Bhardwaj, and M.B. Dhanya**
SRO Team Excellence Award for Chandrayaan-1 Science and Mission, for the year 2008.
5. **Dr. Siddarth Shankar Das**
Asia-Pacific Radio Science Young Scientist Award-2010 from International Union of Radio Science (URSI)
6. **Dr. Uma K. N.**
Asia-Pacific Radio Science Young Scientist Award-2010 from International Union of Radio Science (URSI)
7. **Dr. Vijayakumar S Nair**
Young Associate of the Indian Academy of Sciences, Bangalore, 2010

Recognitions

Anil Bhardwaj

Nominated as **Member of the Editorial Board** of European Journal *Space Science Reviews* (a Springer publication), for 2010-2013.

Nominated as **Member, International Academy of Astronautics** (IAA) Working Group on Planetary and Lunar Exploration.

Patents Accepted

First Patent from Space Physics Lab : A joint patent application (No: 1216/CHE/2009 dt 26-05-09) on the development of a "Sun tracking Radioneter" submitted by Shri Pradeepkumar Padannayil and Dr. Krishnaswamy Krishnamoorthy of SPL was accepted by the Indian patent office.

PhD. Awarded

1. Susan George K., "*Chemical composition of atmospheric aerosol on geographically distinct environments*" Nov. 2009, Faculty of Sciences, Department of Physics, University of Kerala (Thesis Supervisor Dr. Prabha R Nair).
2. K. N. Uma, '*A Study on Vertical Air Motion and its Variability during Fair Weather and Convection with a VHF Wind Profiler*', Sri Venkateswara University, AP (Thesis Supervisor Dr. T. N. Rao, NARL)
3. Vijayakumar S Nair, "*Radiative Forcing due to Atmospheric Aerosols over the Oceanic Regions Surrounding Indian Subcontinent*", June 2010; Faculty of Sciences, Department of Physics, University of Kerala (Thesis Supervisor Dr. K. Krishnamoorthy).
4. V. Sreeja, "*Investigations of the Equatorial Ionosphere Thermosphere Response to Different Solar and Geophysical Conditions*", 2010, Faculty of Sciences, Department of Physics, University of Kerala (Thesis Supervisor Dr. Sudha Ravindran).

Contributing to Projects and activities of ISRO & VSSC

- Physics based radiation correction to Dr. Pisharoty Sonde
- Short-term weather forecasting for launch vehicle applications
- Design and development of Solar Concentrator for the Solar Hydrogen Project

Contributing to Societal Applications

- Spectral Aerosol Optical Depth data from the ARFI network stations, since 2000, have been provided to the Solar Energy Center under the Ministry of New and Renewable Energy with a view to generating accurate solar energy information for the country.
- The ISRO-TEC model, developed by SPL for GAGAN applications in the Indian region has been proven better than standard TEC models (used by Raytheon) for this region and is currently undergoing evaluation runs
- Providing inputs to the HQ for preparing answers for Parliament Questions on Climate change and solar eclipse manifestations.