

Curriculum Vitae of DUGGIRALA PALLAMRAJU

Prof. Duggirala PallamRaju (raju@prl.res.in)

Professor, Space & Atmospheric Science Division,
Physical Research Laboratory (PRL), Ahmedabad. India.



EDUCATION

- Ph.D (Physics), 1996, Physical Research Laboratory (PRL), India.
- M. Sc (Physics), 1990, Osmania University, India.

FIELD OF RESAERCH

Solar terrestrial interactions in the ionosphere and thermosphere, space weather, atmospheric coupling

EMPLOYMENT HISTORY

- Professor (2013-present), PRL, Ahmedabad, India
- Chairman (2012-2015), Space and Atmospheric Sciences Division, PRL, Ahmedabad, India
- Associate Professor, (2008-2013), PRL, Ahmedabad, India
- Senior Research Associate (2002 - 2007), Center for Space Physics, Boston University, USA
- Research Associate (1997 - 2002), Center for Space Physics, Boston University, USA
- Post-Doctoral Fellow (1996 - 1997), PRL, Ahmedabad, India

HONORS & RECOGNITIONS

- Scientific Coordinator (2004 - 2008) Climate and Weather of the Sun-Earth System (CAWSES) program
- Elected Secretary of Solar Terrestrial (ST) Section, AOGS (2011-2015)
- Science Discipline Representative (SDR) for SCOSTEP (2011 – present)
- Elected Vice-Chair for Commission C1 of COSPAR (2012-2020)
- One of the Group Leaders of ROSMIC project of VarSITI program (2009 - present)
- Member Secretary, Board of Study for the Centre for Space Science and Technology Education in Asia and the Pacific (CSSTEAP), which is affiliated to the United Nations (2011 – present)
- Member of NASA review panels on several occasions.
- Guest Editor, J. Atmos. Sol.-Terr. Phys. 2009, 2011; Topical editor Ann. Geophys. (2016); Editor, CAWSES NL Newsletters (2004-2008); Member, Editorial Board, Ind. J. Radio and Space Physics (2015 – present)

ORGANISATION OF SCIENTIFIC SESSIONS/WORKSHOPS

- Convenor of Solar Terrestrial Physics sessions in several meetings in AOGS (2009, 2011, 2012, 2013, 2014), AGU (2005 Spring & Fall), ISEA (2008, 2015), and NSSS (2010) meetings.
- Organized international CAWSES workshops and meetings in Paris (2004), Taiwan (2005), Toulouse (2005), Beijing (2006), and India (2011)

MEMBERSHIP OF PROFESSIONAL SOCIETIES

- 1) Member of Asia Oceania Geosciences Society (AOGS) since 2009.
- 2) COSPAR Associate since 2002.
- 3) Life Member, American Geophysical Union.

STUDENT/PDF ADVISING & INVITED TALKS

- Ph.D.: 1 (awarded), 3 (ongoing); PDFs.: 4; M.Sc./B.E/B.Tech project students: 40
- Invited talks in National/International meetings and Symposia:70

PUBLICATIONS: Over 60 scientific publications and technical reports

Pallamraju, D., D. K. Karan, and K. A. Phadke (2016), First three dimensional wave characteristics in the daytime upper atmosphere derived from ground-based multiwavelength oxygen dayglow emission measurements, Geophys. Res. Lett., 42, doi: 10.1002/2016GL069074.

Pallamraju, D., J. Baumgardner, R. P. Singh, F. I. Laskar, C. Mendillo, T. Cook, S. Lockwood, R. Narayanan, T. K. Pant, and S. Chakrabarti (2014), Daytime wave characteristics in the mesosphere lower thermosphere region: Results from the Balloon-borne Investigations of Regional-atmospheric Dynamics experiment, J. Geophys. Res. Space Physics, 119, 2229 - 2242, doi:10.1002/2013JA019368.

Pallamraju, D., S. Chakrabarti, R. Doe and T. Pedersen, First Ground-based OI 630 nm optical measurements of daytime cusplike and F-region auroral precipitation (2004), Geophys. Res. Lett., 31, L08807 doi:10.1029/2003GL019173.

Pallamraju D., J. Baumgardner, and S. Chakrabarti, A multiwavelength investigation of the Ring effect in the day sky spectrum (2000), Geophys. Res. Lett., 27, 1875-1878.