

CURRICULUM VITAE



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RESEARCH AREA : **Atmospheric Gravity waves**

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ACADEMIC QUALIFICATIONS

PhD. in Physics (2017) : National Atmospheric Research Laboratory, Gadanki, Andhra Pradesh
& Sri Venkateswara University, Tirupati, Andhra Pradesh.

Msc. in Physics (2011) : Calicut University Campus, Calicut, Kerala.
Qualified NET-LS (2010) & GATE-Physics (2011).

Bsc. in Physics (2009) : Govt. Arts & Science College, Calicut, Kerala
& Calicut University, Calicut, Kerala.

LIST OF PUBLICATIONS

1). **Pramitha, M.**, M. Venkat Ratnam, Alok Taori, B. V. Krishna Murthy, D. Pallamraju, and S. Vijaya Bhaskara Rao, 'Evidence for tropospheric wind shear excitation of high phase-gravity waves reaching the mesosphere using ray tracing technique', Atmos. Chem. Phys., 15,2709-2721, 2015.

2). **Pramitha, M.**, Venkat Ratnam,M., Leena,P.P., Krishna Murthy,B.V., Vijaya Bhaskara Rao, S., 2016. Identification of Inertia Gravity Wave sources observed in the troposphere and the lower stratosphere over a tropical station Gadanki, Atmos. Res., 202-211.

- 3). **Pramitha, M.**, Venkat Ratnam,M., Krishna Murthy, B.V., Vijaya Bhaskara Rao, S., 2017. Source spectra of the gravity waves obtained from momentum flux and kinetic energy over a tropical station: Comparison between observations and model results J. Atmos. Sol. Terr. Phys., 154,1–9.
- 4). Venkat Ratnam, M., N. Pravallika, S. Ravindra babu, G. Basha, **M. Pramitha**, and B. V. Krishna Murthy, Assessment of GPS radiosonde descent data, Atmos. Meas. Tech.,7, 1011–1025, 2014.
- 5). Venkat Ratnam et al., Tropical Tropopause Dynamics (TTD) Campaigns over Indian region: An Overview, J. Atmos. and Sol. Terres. Phys., 121, 229–239, 2014.

CONFERENCES/SYMPOSIA :

- 1). **Pramitha, M**, M. Venkat Ratnam, Alok Taori and S. Vijaya Bhaskara Rao, Identification of high frequency gravity wave sources using ray tracing method over tropical latitude: First results. National Space Science Symposium (NSSS) 29.01.2014 to 01.02.2014, Dibrugarh, India. (**Received Best paper award**).
- 2). **Pramitha, M**, M. Venkat Ratnam, Alok Taori and S. Vijaya Bhaskara Rao, Identification of high frequency gravity wave sources using ray tracing method over tropical latitude: First results. APAS, 13-15 November 2014, Hyderabad, India.
- 3). **Pramitha, M**, M. Venkat Ratnam, Leena,P.P., Krishna Murthy, B. V., and S. Vijaya Bhaskara Rao, Identification of Inertia Gravity Wave sources observed in the troposphere and the lower stratosphere over a tropical station Gadanki,APAS 27-29 January 2016, SV University, Tirupati,India.
- 4). **Pramitha, M**, M. Venkat Ratnam, Leena,P.P., Alok Taori, Pallamraju, D., Krishna Murthy, B. V., and S. Vijaya Bhaskara Rao, Identification of Gravity Wave sources Over Tropical Latitudes Using Reverse Ray Tracing Technique.NSSS ,09-12 February 2016, Tiruvananthapuram, India.(**Received Best paper Award**).
- 5). **Pramitha, M**, M. Venkat Ratnam, Leena,P.P., Alok Taori, Pallamraju, D., Krishna Murthy, B. V., and S. Vijaya Bhaskara Rao, Identification of Gravity Wave sources Over Tropical Latitudes Using Reverse Ray Tracing Technique. International Symposium on Whole Atmosphere, ISWA ,14-16 September 2016, Tokyo University, Tokyo, Japan.