Dr. Sreenivas Pentakota



Professor

Education

M.Sc. (Physical Oceanography) : Andhra University, 2005
Ph.D. (Meteorology & Oceanography) : Andhra University, 2012

Employment

Research Fellow	: (CSIR- NET) Andhra University, 2006-2009
Scientist	: Indian Institute of Tropical Meteorology, 2009-2022
Visiting Scientist	: University of Maryland, USA, 2015-2016
Professor	: University of Hyderabad, 2022 - present

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Field of Specialization:

Ocean, Atmospheric and Climate Sciences

Research Interests:

- Indian Monsoon - the mechanisms and prediction
- Coupled Data Assimilation using advanced methods
- Indian Ocean Dynamics and regional impacts
- Tropical Cyclones with emphasis on Ocean feedback
- Short term climate variability its prediction
- Climate Change and its impacts

Awards/Recognition (include national/international renowned awards/recognition)

2019 Associate, Indian Academy of Sciences (IASc)
2019 Best poster presentation award - OSICON-2019
2019 Best oral presentation award - TROPMET 2019
2016 Member, Board of Research Studies, Department of Meteorology and Oceanography, AU
2012 Life Member – Ocean Society of India
2012 Life Member – Indian Meteorological Society
2005 CSIR – UGC NET Qualification Certificate – Research Fellowship
2004 CSIR – UGC NET Qualification Certificate – Lectureship

Editorial Services

Served as Reviewer for number of peer-reviewed National and International Journals …

1. Climate Dynamics
2. Deep Sea Research – I and II
3. Environmental Research Communications
4. Environment Research Letters
5. IEEE Geo-science and Remote Sensing Letters
6. Indian Journal of Geo-Marine Sciences
7. International Journal of Climatology
8. Journal of Earth System Science
9. Journal of Geophysical Research
10. Journal of Integrated Coastal Zone Management
11. Journal of Marine Science and Engineering
12. Journal of Marine Systems
13. Journal of Ocean University of China
14. Nature - Scientific Reports
15. Progress in Oceanography
16. Remote Sensing
17. Sensors
18. Theoretical and Applied Climatology

Selected Publications (maximum 5)

- **Sreenivas Pentakota.,** Gnanaseelan, C., and Prasad, K.V.S.R., (2012), Influence of El Niño and Indian Ocean Dipole on sea level variability in the Bay of Bengal, Global and Planetary Change, 80-81, 215-225, doi:10.1016/j.gloplacha.2011.11. (Impact Factor: 5.114)
- **Sreenivas Pentakota**., J. S. Chowdary, and C. Gnanaseelan (2012), Impact of tropical cyclones on the intensity and phase propagation of fall Wyrtki jets, Geophysical Research Letters, 39, L22603, https://doi.org/10.1029/2012GL053974. (Impact Factor: 5.58)
- Gade S.V., **Sreenivas Pentakota**, Rao Suryachandra A., Srivastava Ankur, Pradhan M., Impact of the Ensemble Kalman Filter based Coupled Data Assimilation System on Seasonal Prediction of Indian Summer Monsoon Rainfall, Geophysical Research Letters, 49: e2021GL097184, August 2022, DOI:10.1029/2021GL097184, 1-20 (Impact Factor: 5.58)
- **Sreenivas, Pentakota**., Vivek, S. & Seshagiri Rao, K. (2018). Role of Andaman Sea in the intensification of cyclones over Bay of Bengal, Nat Hazards, Volume 91, Issue 3, pp 1113–1125. https://doi.org/10.1007/s11069-018-3170-x. (Impact Factor: 3.158)
- **Sreenivas Pentakota**., and Gnanaseelan C. (2014), Impact of oceanic processes on the life cycle of severe cyclonic storm Jal. IEEE Geoscience and Remote Sensing Letters, vol. 11, issue 2, 519 – 523,DOI:10.1109/LGRS.2013.2271512,519-523. (Impact Factor: 5.343)