

# Curriculum Vitae

## **Suhas Ettammal**

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### **EDUCATION**

Bachelor of Science (Physics (Main), Mathematics and Chemistry (subsidiary)) 2003.

Kannur University, Kerala, India.

Master of Science (Meteorology) 2005

Cochin University of Science and Technology, Kerala, India.

Ph.D (Atmospheric and Space sciences ) August 2011

University of Pune, Pune, India.

**Ph.D Thesis title:** *Interdecadal Variability of Tropical Intraseasonal Oscillations.*

**(Ph.D Advisor:** Prof. B.N. Goswami, Former Director, IITM-Pune)

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### **Employment Records**

- **Research Fellow (July 2006 to August 2011):** Indian Institute of Tropical Meteorology, Pune.

- **Research Associate (August 2011 to June 2012):** Indian Institute of Tropical Meteorology, Pune.
- **Postdoctoral research scholar (June 2012 to December 2014):** Scripps Institution of Oceanography, University of California San Diego (UCSD), CA, USA.
- **Caltech Postdoctoral research scholar (December 2014 to present):** Jet Propulsion Laboratory, California Institute of Technology, CA, USA.

### **Research Interests**

- ❖ Tropical Convection.
- ❖ Convective parameterization.
- ❖ Climate Modeling.
- ❖ Climate Dynamics.

### **Conference/Workshop Attended**

- Celebrating the Monsoon, July 2007, IISc Bangalore, India.
- Monsoon Intraseasonal Variability Modelling Workshop, June 2010, Busan, Republic of Korea.
- AOGS conference, July 2010, Hyderabad, India.
- Conference on Decadal predictability, August-2010, ICTP, Trieste, Italy.
- YOTC international science symposium and 8<sup>th</sup> AMY workshop, 16-19 May 2011, Beijing, China.
- American Geophysical Union (AGU) Fall meeting 2012, San Francisco, California, USA: Poster presentation on “Real-time monitoring and predicting northward propagating monsoon Intraseasonal oscillations”.
- American Geophysical Union (AGU) Fall meeting 2013, San Francisco, California, USA: Presented a talk on “Evaluation of Trigger Functions for Convective Parameterization Schemes Using Observation”.

- American Geophysical Union (AGU) Fall meeting 2014, San Francisco, California, USA: Poster presentation on “Examination of convective parameterization closures and their scale awareness using cloud-resolving model simulations”.

## **Publications**

- 1) **Suhas. E** and G.J.Zhang 2015: Evaluating Convective Parameterization Closures Using Cloud Resolving Model Simulation of Tropical Deep Convection, *JGR –Atmosphere* (Special Issue on Fast Physics in Climate Models), DOI: 10.1002/2014JD022246 .
- 2) **Suhas. E** and G.J.Zhang 2014: Evaluation of Trigger Functions for Convective Parameterization Schemes Using Observation, *Journal of Climate*, doi: <http://dx.doi.org/10.1175/JCLI-D-13-00718.1>.
- 3) **Suhas. E**, J.M. Neena and B.N.Goswami 2013: An Indian Monsoon Intraseasonal Oscillations (MISO) index for real time monitoring and forecast verification, *Climate Dynamics* , DOI: 10.1007/s00382-012-1462-5.
- 4) **Suhas. E** , J.M. Neena and B.N. Goswami 2012: Interannual variability of Indian summer Monsoon arising from Interactions between Seasonal Mean and Intraseasonal Oscillations, *Journal of Atmospheric science*, 69, 1761–1774. doi: <http://dx.doi.org/10.1175/JAS-D-11-0211.1>.
- 5) Neena J.M., **E.Suhas** and B.N.Goswami 2011: Leading role of internal dynamics in the 2009 Indian Summer Monsoon drought, *JGR (Atmosphere)*, doi:10.1029/2010JD015328.
- 6) **Suhas. E**, and B. N. Goswami. 2010: Loss of Significance and Multidecadal Variability of the Madden–Julian Oscillation. *Journal of Climate* 23:13, 3739-3751.

- 7) Neena Joseph Mani., **E. Suhas**, and B.N. Goswami, 2009: Can global warming make Indian monsoon weather less predictable? *Geophys. Res. Lett.* , 36, L0881, doi:10.1029/2009GL037989.
- 8) **Suhas. E**, and B.N. Goswami 2008: Regime shift in Indian summer monsoon climatological intraseasonal oscillations. *Geophys. Res. Lett.* 35: L20703, DOI:10.1029/2008GL035511.