

Name : **Anandakumar Karipot**

Academic Record:

DEGREE	YEAR	UNIVERSITY	SUBJECTS	GRADE
M.Sc.	1986	Cochin University of Science & Technology	Physics	I st
M. Tech	1991	Cochin University of Science & Technology	Atmospheric Sciences	1 st
Ph.D.	1996	University of Agriculture & Natural Renewable Resources, Vienna, Austria.	Atmospheric Sciences	

Employment Particulars:

Designation	Institute	Period
Research Associate	Centre for Aerospace Design & Development, National Aerospace Laboratories, Bangalore.	March 1997 to December, 1999.
Asst. Research Scientist	University of Georgia, Georgia, USA	January 2000 to September, 2008
Reader	University of Pune	October 2008 to September, 2011.
Associate Professor	University of Pune	October 2011 till date.

Important International and National Assignments

- Member, Carbon Flux Network Implementation Committee, Indian Institute of Tropical Meteorology, Ministry of Earth Sciences, Government of India. 2011 - present
- Advisor, Executive board, International Society of Biometeorology, 2005-2008.
- Science committee member, American Meteorological Society Committee on Biometeorology and Aerobiology, 2005-2007.

Students Supervised or under supervision at present:

S.No.	Name of the Student	Year Awarded/ Submitted	Comments
Ph.D.			
1.	Ms. Jyoti Bhate	In Progress	Guide
2.	Ms. Anusha Satyanadh	In Progress	Guide
3.	Mr. Gaurishankar Sawaisarje	In Progress	Guide
M.Tech.			
4.	Ms. Anita Rawat	2011	Guide
5.	Mr. Mayur Patil	2012	Guide
M.Sc			

6.	Ms. Chetana Patil	2009	Guide
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Research Projects Undertaken as Principal Investigator

1. ‘Surface-layer characteristics and moisture budget of the monsoon boundary layer – A study using micrometeorological measurements and Large-Eddy Simulation’
April 2011 – March 2014.
Ministry of Earth Sciences, Government of India.
2. Evapotranspiration measurements over agricultural fields using micrometeorological methods for efficient water resources management
April 2011 to March 2012
Department of Science and Technology, Government of India.
3. Calibration and Validation of Land Surface Models using INSAT-3D Observations and in situ Measurements.
September 2011 to March 2013
Space Applications Center (ISRO) Ahmedabad

Stay Abroad for Academic Purpose:

Institute/Country	Period of Visit	Purpose
Universitaet fuer Bodenkultur, Vienna, Austria.	April 1993 to November 1996	Ph D, Austrian Academic Exchange scholarship
University of Georgia, USA.	January 2000 to September 2008.	Research Scientist

Short Duration visits:

Institute/Country	Period of Visit	Purpose
Department of Water, Atmosphere and Environment, Institute of Meteorology, Universitat fur Bodenkultur, Vienna, Austria	July – August, 2011	Indo-Austria Collaborative project.

LIST OF PUBLICATIONS **(From 2000 onwards)**

Refereed Publications:

Prabha, T. V., **A. Karipot**, D. Axisa, B. Padma Kumari, and others. 2012. Scale interactions near the foothills of Himalayas during CAIPEEX. J. Geophys. Res., 117, D10, doi:10.1029/2011JD016754.

- Zhang, G., M. Y. Leclerc, and **A. Karipot**. 2010. Local flux-profile relationships of wind speed and temperature in a canopy layer in atmospheric stable conditions. *Biogeosciences*, 7, 3625-3636.
- Zhang G., M.Y. Leclerc, **A. Karipot**, H. Duarte, E. Mursch-Radlgruber, H.L. Gholz. 2011. The impact of logging on the surrounding flow in a managed plantation. *Theoretical and Applied Climatology*, Vol. 106, No. 3 pp. 511-521.
- Karipot, A.**, M.Y. Leclerc and G. Zhang, 2009. Characteristics of nocturnal low-level jets observed in the north Florida area, *Monthly Weather Review*, DOI:10.1175/2009MWR2705.1
- Karipot, A.**, M.Y. Leclerc, G. Zhang, K. Lewin, J. Nagy, and G. Starr. 2008. The Influence of Nocturnal Low-Level Jet on Turbulence Structure and CO₂ Flux Measurements over a Forest Canopy, *J. Geophys. Res.*, 113, D10102, doi:10.1029.
- Prabha, T. V., M. Y. Leclerc, **A. Karipot**, D. Hollinger and E. Mursch-Radlgruber. 2007. Observed characteristics of low-level jet and its effect on flux measurements at the Howland AmeriFlux site, *Boundary Layer Meteorology*, 10.1007/s10546-007-9232-3.
- Prabha, T. V., **A. Karipot**, M. Binford, 2007. Characteristics of secondary circulations over an inhomogeneous surface simulated with large-eddy simulation, *Boundary Layer Meteorology*, Volume 123, Number 2, pp. 239-261(23).
- Zhang, G., Chr. Thomas, M. Y. Leclerc, **A. Karipot**, H. L. Gholz, M. Binford, and Th. Foken. 2007. On the effect of clearcuts on turbulence structure above a forest canopy. *Theor. Appl. Climatol.*, 88, 133-137.
- Prabha, T. V., M. Y. Leclerc, **A. Karipot**, D. Hollinger 2007. Low frequency effects on the Eddy-Covariance Fluxes in the Influence of a Low-Level Jet, *Journal of Applied Meteorology and Climatology*. 46: 338-352.
- Karipot, A.**, M. Y. Leclerc, G. Zhang, T. Martin, G. Starr, D. Hollinger, L. Hipps, S.B. Verma, J. H. McCaughey, D. Anderson and G. Hendrey, 2006. Nocturnal CO₂ exchange over a tall forest canopy associated with intermittent low-level jet activity. *Journal of Theor. Appl. Climatol.*, 85, 243-248.
- Sogachev, A., M.Y. Leclerc, **A. Karipot**, G. Zhang and T. Vesala. 2006. Effect of Clearcuts on Flux Measurements made Above the Forest. *Agricultural and Forest Meteorology*, 133:182-196.
- Teske, M. E., H. W. Thistle, R. Reardon, G. Cormier, P. Amirault, D. Davies, S. Cameron, G. Dorr, A. J. Hewitt, J. Brown, M. Leclerc and **A. Karipot**. 2005. Predicted Deposition Variability Due to Fluctuations in Release Height and Drop Size Distribution. *Journal of ASTM International*, 2, No. 4. 1 – 11.
- Teske, M. E., H. W. Thistle, R. Reardon, G. Cormier, R. S., Cameron, M. Y., LeClerc, **A. Karipot**, 2006. Flight Line Variability in Rotary Atomizer Drop Size Distribution, *Journal of ASTM International*, 3(1), 10.1520/JAI12922

Mathieu, N., I.B. Strachan, M.Y. Leclerc, **A. Karipot** and E. Pattey 2005. On the use of the NBL Budget Technique: Delineating Optimum Conditions. *Agricultural and Forest Meteorology*, 135: 35-43

Thistle, H., R. Reardon, M. Teske, B. Richardson, G. Cormier, D. Davies, S. Cameron, A. Hewitt, M. Y. Leclerc and **A. Karipot**. 2005. Variability in Spray Application and Utilization of a Time Varying Model. *Ann. Rev. Agr. Eng.* 4(1). 187-196.

Leclerc, M. Y., **A. Karipot**. T. Prabha, G. Allwine, B. Lamb and H. Gholz, 2003. Impact of non-local advection on flux footprints over a tall forest canopy: a tracer flux experiment. *Agricultural and Forest meteorology*, 115, No. 1- 2, 19-30, **Invited paper**, Special Issue: A tribute to George W. Thurtell's contributions in micrometeorology.

Karipot, A., Venkatesan, R. and Prabha, V. T., 2001. Soil thermal properties at Kalpakkam in coastal south India. *Proceedings of the Indian Academy of Sciences (Earth and Planetary sciences)*, 110, No.3, 239-245.

Book Review by Invitation:

Karipot, A., M.Y. Leclerc, T. Prabha and G. Zhang, 2005. '*Encyclopedia of Atmospheric Sciences: James R. Holton, Judith A. Curry and John A. Pyle (Eds.) Academic Press, An Imprint of Elsevier Science, London, 2002, 2625 pp.*' *Agricultural and Forest meteorology*, Volume 130, 137-141.

Karipot, A., 2007. '*Global Change and Mountain Regions. An Overview of Current Knowledge, U.M. Huber, H.K.M. Bugmann and M.A. Reasoner, Editors, Springer, 2005, 650 pp.*' *Agricultural and Forest Meteorology*, Volume 143, 157-158.