

BIOGRAPHICAL SKETCH FOR ANKUR R DESAI

Ankur R Desai, Professor and Associate Chair
Department of Atmospheric and Oceanic Sciences
University of Wisconsin
1225 W. Dayton St
Madison, WI 53706 USA

Phone: +1-608-520-0305
Fax: +1-608-262-0166
E-mail: desai@aos.wisc.edu
Website: <http://flux.aos.wisc.edu>

(A) PROFESSIONAL PREPARATION

Oberlin College (Ohio) B.A., Environmental Studies and Computer Science (double major), 1997
University of Minnesota, M.A., Geography, 2000
Pennsylvania State University, Ph.D., Meteorology, 2006
National Center for Atmospheric Research (Colorado), ASP Postdoctoral Fellow, 2006-2007

(B) APPOINTMENTS

2016- Professor, Dept. of Atmospheric & Oceanic Sciences, U. Wisconsin
2016- Ned P Smith Professorship in Climatology
2011-2016 Associate Professor, Dept. of Atmospheric & Oceanic Sciences, U. Wisconsin
2014 MICMoR Visiting Scientist, KIT IMK-IFU, Garmisch-Partenkirchen, Germany
2007-2011 Assistant Professor, Dept. of Atmospheric & Oceanic Sciences, U. Wisconsin
2009- Faculty affiliate, Limnology and Marine Sciences, College of Engineering
2008- Faculty affiliate, Center for Climatic Research, Nelson Institute
2006-2007 Postdoctoral Fellow, Advanced Study Program, NCAR
2002-2006 Graduate Research Assistant, Dept. of Meteorology, Pennsylvania State U.
2000-2001 Research Fellow, Dept. of Forest Resources, University of Minnesota
1998-2000 ICGC MacArthur Scholar Fellow, Dept. of Geography, University of Minnesota

(C) PRODUCTS

FIVE RELEVANT PUBLICATIONS AND PRODUCTS (BOLD DEONTES DESAI LAB AUTHORS)

Desai, A.R., Vesala, T., and Rantakari, M., 2015. Measurements, modeling, and scaling of inland water gas exchange. *EOS*, 96, [doi:10.1029/2015EO022151](https://doi.org/10.1029/2015EO022151).

Desai, A.R., Wohlfahrt, G., Zeeman, M.J., Katata, G., Eugster, W., Montagnani, L., Gianelle, D., Mauder, M., and Schmid, H.-P., 2016. Montane ecosystem productivity responds more to global circulation patterns than climatic trends. *Environ. Res. Lett.* 11(2):024013 [doi:10.1088/1748-9326/11/2/024013](https://doi.org/10.1088/1748-9326/11/2/024013).

Whitaker, E., Reed, D.E., Desai, A.R., 2016. Lake ice measurements from soil water content reflectometer sensors. *Limnology and Oceanography: Methods*, 14, 224–230, [doi:10.1002/lom3.10083](https://doi.org/10.1002/lom3.10083)

Wolf, S., Keenan, T.F., Fisher, J.B., Baldocchi, D.D., **Desai, A.R.**, Richardson, A.D., Scott, R.L., Law, B.E., Litvak, M.E., Brunzell, N.A., Peters, W., and van der Laan-Luijkx, I.T., 2016. Warm spring reduced carbon cycle impact of the 2012 US summer drought. *Proc. Natl Acad Sci*, 113, 5880-5885, [doi:10.1073/pnas.1519620113](https://doi.org/10.1073/pnas.1519620113).

Xu, K., Metzger, S., **Desai, A.R.**, 2017. Upscaling tower-observed turbulent exchange at fine spatio-temporal resolution using environmental response functions. *Agricultural and Forest Meteorology*, 232:10-22, [doi:10.1016/j.agrformet.2016.07.019](https://doi.org/10.1016/j.agrformet.2016.07.019).

FIVE OTHER PUBLICATIONS AND PRODUCTS (BOLD DEONTES DESAI LAB AUTHORS)

Bagley, J.E., **Desai, A.R.**, Harding, K.J., Snyder, P.K., and Foley, J.A., 2014. Drought and deforestation: Has land cover change influenced recent precipitation extremes in the Amazon? *J. Climate*, 27, 345-361, [doi:10.1175/JCLI-D-12-00369.1](https://doi.org/10.1175/JCLI-D-12-00369.1).

Desai, A.R., 2014. Influence and predictive capacity of climate anomalies on daily to decadal extremes in canopy photosynthesis. *Photosynthesis Research*, 119, 31-47, [doi:10.1007/s11120-013-9925-z](https://doi.org/10.1007/s11120-013-9925-z).

Matheny, A., Bohrer, G., Stoy, P., Baker, I., Black, A., **Desai, A.R.**, Dietze, M., Gough, C.M., Ivanov, V., Jassal, R., Novick, K., Schäfer, K., Verbeeck, H., 2014. Characterizing the diurnal patterns of errors in the prediction of evapotranspiration by several land-surface models: an NACP analysis. *J. Geophys. Res.-G*, 119, 1458–1473, [doi:10.1002/2014JG002623](https://doi.org/10.1002/2014JG002623).

Petrescu, A.M., Lohila, A., Tuovinen, J.P., Baldocchi, D.D., **Desai, A.R.**, Roulet, N.T., Vesala, T., et al., 2015. The uncertain climate footprint of wetlands under human pressure. *Proc. Natl. Acad. Sci.*, 112, 4594-4599, [doi:10.1073/pnas.1416267112](https://doi.org/10.1073/pnas.1416267112).

Pressel, K., Collins, W.C., and **Desai, A.R.**, 2014. The spatial scale dependence of water vapor variability inferred from observations from a very tall tower. *J. Geophys Res.*, 119(16), 9822-9837, [doi:10.1002/2013JD021141](https://doi.org/10.1002/2013JD021141)

(D) SYNERGISTIC ACTIVITIES

- Journal of Geophysical Research, Biogeosciences, Editor, 2015-, Associate Editor, 2011-2014
- Earth Educator Rendezvous, On the Cutting Edge: Preparing for an Academic Career in the Geosciences, Workshop Lead Organizer, Madison, WI, Jul 18-20 2016
- Chair, American Meteorological Society (AMS), Agricultural and Forest Meteorology, Science Technical and Advisory Committee (STAC), 2010-2016
- Member, Science, Technology and Education Advisory Committee, National Ecological Observatory Network, Battelle Ecology, 2016-
- AMS Clarence Leroy Meisinger Award and AMS Early Career Achievement Award, 2016