

Jimmy O. Adegoke

PROFESSIONAL EXPERIENCE

University of Missouri-Kansas City, 2002-present

Chair, Department of Geosciences 2008 – 2010

Director (Research), Center for Applied Environmental Research (CAER) Department of Geosciences, Sept. 2008 – Present

Associate Professor of Geosciences, University of Missouri Kansas City, 2007-present

Post-doc Fellow: NOAA-NESDIS Postdoctoral Fellow, Cooperative Institute for Research in the Atmosphere (CIRA), Colorado State University 2000-2002.

EDUCATION

Ph.D: Geography [Specialization – Satellite Climatology], Pennsylvania State University, 2000

M.Sc: Climatology, University of Ibadan, Ibadan Nigeria 1989

B.Sc: Geography –Meteorology Option [Minors: Physics & Geology], Ahmadu Bello University, Nigeria

SELECTED PUBLICATIONS

Adegoke, J. O., Balogun, A., Sajith, V., Mauder M., Gallo, K., 2009: Surface Energy and Moisture Flux Measurements in the Kansas City Metropolitan Area (KC-FLUXMEX) during summer. *Boundary Layer Meteorology (Accepted)*

Carleton, A.M., D.L. Arnold, D.J. Travis, S. Curran, and **J.O. Adegoke**, 2008: Synoptic circulation and land surface influences on convection in the Midwest U.S. “Corn Belt” during the summers of 1999 and 2000. Part I: Composite synoptic environments. *J. Climate* 21 (14) 3389-3415

Carleton A.M., D.J. Travis, **J.O. Adegoke**, D.L. Arnold, and S. Curran, 2008: Synoptic circulation and land surface influences on convection in the Midwest U.S. “Corn Belt” during the summers of 1999 and 2000. Part II: Role of vegetation boundaries. *J. Climate*, 21 (15) 3617–3641

Adegoke, J. O., Pielke, R. A. Sr., and Carleton, A. M., 2007: Observational and modeling studies of the impacts of agriculture-related land use change on climate in the central U.S. Agric. Forest Meteor., Special Issue, 132, 203-215.

Castro, C and Pielke, R. A. Sr., **Adegoke, J. O.**, 2007: A summer climatology of the contiguous U.S. and Mexico using the Regional Atmospheric Modeling System (RAMS). Part 1: Model Climatology (1950-2002), *Journal of Climate*, 20, 3844-3865.

Adegoke, J. O., Pielke, R.A Sr., Eastman, J., Mahmood, R., and Hubbard, K.G., 2003: A Regional Atmospheric Model study of the impact of irrigation on midsummer surface energy budget in the U.S. High Plains. *Monthly Weather Review* 131(3), 556-564.

Adegoke, J. O., Steurer, J. F., Green, C., Willoughby, T., 2009: The Kansas City Missouri ground level ozone (GLO) project: A community-based air pollution field experiment. *Journal of Environmental Health (accepted)*

Pielke Sr., R.A., **Adegoke, J. O.**, Chase, T. N., Marshall, C. H., Matsui, T., and Niyogi, D., 2007: A new paradigm for assessing the role of agriculture in the climate system and in climate change. Agric. Forest Meteor., Special Issue, 132, 234-254.

Pielke, R.A. Sr., **Adegoke, J. O.**, A. Beltran-Przekurat, C.A. Hiemstra, J. Lin, U.S. Nair, D. Niyogi, and T.E. Nobis, 2007: An overview of regional land use and land cover impacts on rainfall. *Tellus B*, 59, 587-601.

SELECTED SYNERGISTIC ACTIVITIES

Congressional Expert Testimony, U.S. House of Representatives Select Committee on Energy Independence & Global Warming Hearing on the Impact of Global Warming on Extreme Weather.

Commissioner, Kansas City Missouri Environmental Management Committee (EMC):2008-Present