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Education
University of Oklahoma, Norman, OK Geography/climatology PhD. 1999
State University of New York, Albany, NY Geography/climatology M.A. 1993
University of Dhaka, Dhaka, Bangladesh Geography M. Sc.1989
University of Dhaka, Dhaka, Bangladesh Geography B. Sc. 1988

Appointments
-Associate Professor, Department of Geography and Geology, Western Kentucky University., 2006-present.
-Associate Director, Kentucky Climate Center and Kentucky Mesonet Project. 2006-Present.

Publications
Mahmood. R. and Hubbard, K. G. 2007. Relationship between soil moisture of near surface and multiple depths of the root zone under heterogeneous land uses and varying hydroclimatic conditions. Hydrological Processes (in press)
Roy, S. S., Mahmood, R. Niyogi, D. D. S., Lei, M., Foster, S. A., Hubbard, K., G., Douglas, E., Pielke Sr., R. A. 2007. Impacts of the agricultural Green Revolution induced land use changes on air temperatures in India. Journal of Geophysical Research-The Atmospheres (in press)
Quintanar, A., Mahmood, R., Loughrin, Lovanh, N. C. 2007. A coupled MM5-Noah land surface model-based assessment of sensitivity of planetary boundary layer variables to anomalous soil moisture conditions. Physical Geography (submitted)
Mahmood, R. and Hubbard, K. G. 2004. An analysis of simulated long-term soil moisture data for three land uses under contrasting hydroclimatic conditions in the Northern Great Plains. Journal of Hydrometeorology, 5:160-179.
Mahmood R., Foster, S. A., Keeling, T., Hubbard, K. G., Carlson, C., and Leeper, R. 2006. Impacts of irrigation on 20th century temperature in the Northern Great Plains. Global and Planetary Change, 54: 1-18.
Mahmood, R. and Hubbard, K. G. 2005. Assessing bias in evapotranspiration and soil moisture estimates due to the use of modeled solar radiation and dew point temperature data. Agricultural and Forest Meteorology, 130: 71-84.
Mahmood, R. and Hubbard, K. G. 2004. An analysis of simulated long-term soil moisture data for three land uses under contrasting hydroclimatic conditions in the Northern Great Plains. Journal of Hydrometeorology, 5:160-179.
Mahmood, R., Legates, D. R., Meo, M. 2004. The role of soil water availability in potential rainfed rice productivity in Bangladesh: Applications of the CERES-Rice model. Applied Geography, 24: 139-159.

Synergistic Activities

NSF Panelist, editorial board member for journals, guest editor for special issues, and manuscript review.

Postdoctoral advisee: Arturo Quintanar.

Collaborators:
Kenneth G. Hubbard, University of Nebraska-Lincoln; Mark Meo, University of Oklahoma; Mark L. Morrissey, University of Oklahoma; David R. Legates, University of Delaware; Roger Pielke, Sr., University of Colorado; Jimmy O. Adegoke, University of Missouri-Kansas City; Daniel Leathers, University of Delaware; Delphis F. Levia, University of Delaware; Jeffrey Underwood, University of Nevada, Reno; Steve Quiring, Texas A & M University; Dev Niyogi, Purdue University; and Shouraseni Sen Roy, University of Miami.

Advisors:
Post-doctoral advisor: Kenneth G. Hubbard, Professor, University of Nebraska-Lincoln.
PhD. Co-Advisors: Mark Meo, Professor, University of Oklahoma and Mark L. Morrissey, Associate Professor,
University of Oklahoma.