

SUBHASIS GIRI, PhD, Assistant Research Professor

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EDUCATION

- 2013 **Ph.D. in Bio-systems Engineering** *Michigan State University*
Dissertation: Assessing Best Management Practices (BMPs) and implementation strategies to improve water quality
- 2008 **M.S. in Biological and Agricultural Engineering** *Texas A&M University*
Thesis: Vegetative covers for sediment control and phosphorus sequestration from dairy waste application fields
- 2005 **B.S. in Agricultural Engineering** *Orissa University of Agriculture and Technology*

RESEARCH & INDUSTRY EXPERIENCE

- 05/2021-Present Assistant Research Professor [Rutgers University](#), *Center for Remote Sensing & Spatial Analysis*
- 07/2016-04/30/2021 Post-doctoral Research Associate [Rutgers University](#), *Center for Remote Sensing & Spatial Analysis*
- 05/2014-06/2016 Post-doctoral Research Fellow [New Jersey Institute of Technology](#), *Dept. of Environmental Science*
- 09/2013- 04/2014 Professional Aide [Michigan State University](#), *Dept. of Bio-systems and Agricultural Engineering*
- 09/2010-08/2013 Graduate Research Assistant [Michigan State University](#), *Dept. of Bio-systems and Agricultural Engineering*
- 07/2009-08/2010 Graduate Research Assistant [Texas A&M University](#) *Dept. of Biological and Agricultural Engineering*
- 11/2008-06/2009 Staff Engineer, [BPC Group Inc](#), Orlando, FL
- 09/2006-08/2008 Graduate Research Assistant [Texas A&M University](#) *Dept. of Biological and Agricultural Engineering*

TEACHING EXPERIENCE

- 2020-Spring Semester *Guest Lecturer in Advanced Remote Sensing* **Rutgers University**
- 2019- Fall Semester *Guest Lecturer in Water Resources Management* **New Jersey Institute of Technology**
- 2019- Fall Semester *Guest Lecturer in Introduction to Aerial Photograph* **Rutgers University**
- 2018- Fall Semester *Guest Lecturer in Introduction to Aerial Photograph* **Rutgers University**
- 2018- Spring Semester *Guest Lecturer in Advanced Remote Sensing* **Rutgers University**
- 2017- Fall Semester *Guest Lecturer in Introduction to Aerial Photograph* **Rutgers University**
- 2017- Spring Semester **Co-Instructor** in *Advanced Environmental Geomatics* **Rutgers University**
- 2016- Fall Semester *Guest Lecturer in Introduction to Aerial Photograph* **Rutgers University**
- 2016- Spring Semester **Adjunct Professor** in *Environmental Policy and Science* **New Jersey Institute of Technology**

DECISION SUPPORT WEB-TOOL

Watershed Adapt: <https://mosaic.njaes.rutgers.edu/nj-watershed-adapt/>

A web-tool for exploring various data visualizations related to climate vulnerability and adaptation strategies for the Upper Salem River Watershed. This science based information is useful for various audiences including researchers, policymakers, NRCS personnel, watershed association, and municipalities.

SYNERGISTIC ACTIVITIES

- **Key Member in Sustainable Raritan River Initiative:** Part of the team in Sustainable Raritan River Initiative at Rutgers University which addresses Raritan River health. It consists of environmentalists, engineers, local watersheds groups, policymakers to restore and preserve Raritan River and its tributaries.
- **Committee Member in ASABE:** Hydrology Group: Natural Resources & Environmental Systems (NRES-21), ASABE
Erosion Control Group: Natural Resources & Environmental Systems (NRES-22), ASABE
ASABE Standard Committee (NRES-03)
- **Session Convener/Moderator:** *Water Security Assessment in River Basin* Session in 2018 ASABE International Conference, Detroit.
Complexity and Dynamics in Coupled Natural and Human Systems Session in 2018 ASABE International Conference, Detroit.
Hydrologic and Climate Data: Challenges and Opportunities session 2019 ASABE International Conference, Boston.
- **Guest Editors:** Special issue in “*Sustainable Water Quality Management in the Changing Environment*” in the Journal of **Sustainability**.
Special issue in “*Understanding Watershed Connectivity in a Changing Planet*” in the Journal of **Land**.
- **Judging Poster Competition:** Served as a Judge for Natural Resources & Environmental Systems student poster competition at 2019 ASABE International Conference, Boston.
Served as a Judge for Summer Undergraduate Research Forum poster competition, MSU, East Lansing, July 2012.
Served as a Judge for Graduate Research Forum poster competition, MSU, East Lansing, October 2013.

HONORS AND AWARDS

- 2013 Outstanding International Student (Merle and Katherine Esmay Scholarship), Department of Biosystems and Agricultural Engineering, Michigan State University, East Lansing, MI.