

**VANI STARRY MANOHARAN**  
Atmospheric Sciences Section  
Environmental Science Division  
Argonne National Laboratory

**Education:**

Ph.D.            University of Alabama in Huntsville, Atmospheric Sciences, 2010  
M.S.            University of Alabama in Huntsville, Atmospheric Sciences, 2008  
B.S.            Anna University, India, Electronics and Electrical Engineering, 2005

**Professional Experience:**

June 2011-Present    Postdoctoral Appointee  
                                 Environmental Science Division  
                                 Argonne National Laboratory

Responsible for investigating aerosol impact on climate through integration of high resolution global atmospheric chemistry and transport models and satellite data sets.

March-May 2011    Research Associate  
                                 NASA Goddard Space Flight Center  
                                 Greenbelt, MD

**Summary of Previous Experience:**

2006-2010            Graduate Research Assistant  
                                 University of Alabama in Huntsville

Studied the impact and intensity of deforestation in Central America using MODIS and GOES satellite data along with Regional Atmospheric Modeling System (RAMS) simulations, to understand the stability and sustainability of forests in the Mesoamerican Biological Corridor. Collaborated with scientists at SERVIR Mesoamerica (Mesoamerican Monitoring and Visualization System) at NASA Marshall Space Flight Center.

**Research Interests:**

Biodiversity conservation  
Atmospheric and terrestrial satellite remote sensing  
Biogeochemical cycles  
Ecosystem Monitoring  
Air Quality Research  
Regional and Global Climate Modeling  
Satellite Remote Sensing

**Professional Activities:**

American Geophysical Union  
American Meteorological Society

**Publications:**

15 journal, book, report, and conference publications and presentations.