

Opportunity Title: Aerosol Effects in Climate Change and Air Quality through Global/Regional Modeling Studies and Data Analysis

Opportunity Reference Code: 0141-NPP-NOV23-GSFC-EarthSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0141-NPP-NOV23-GSFC-EarthSci

Application Deadline 11/1/2023 6:00:59 PM Eastern Time Zone

Description This project involves modeling and analysis of aerosol effects on climate and air quality with global and regional focuses. Regions of interests include North America, Europe, East Asia, South Asia, and the Arctic. Specific research areas include (1) simulating global aerosol distributions with the GSFC global/regional modeling system;

(2) using the models to analyze satellite/ground-based/aircraft measurements; (3) addressing model uncertainties and improvements; (4) assessing the effects of anthropogenic and natural sources, transport, and physical/chemical/optical processes on atmospheric aerosol distributions; (5) estimating the aerosol impacts on weather, climate, and regional air quality.

Location:

Goddard Space Flight Center
Greenbelt, Maryland

Field of Science:Earth Science

Advisors:

Mian Chin
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301-614-6007

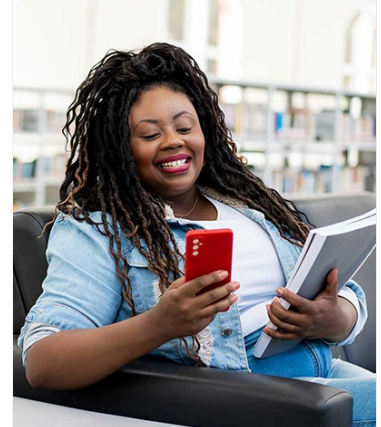
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Applications with citizens from Designated Countries will not be accepted at this time, unless they are Legal Permanent Residents of the United States. A complete list of Designated Countries can be found at: <https://www.nasa.gov/oiiir/export-control>.

Eligibility is currently open to:

- U.S. Citizens;
- U.S. Lawful Permanent Residents (LPR);
- Foreign Nationals eligible for an Exchange Visitor J-1 visa status; and,
- Applicants for LPR, asylees, or refugees in the U.S. at the time of application with 1) a valid EAD card and 2) I-485 or I-589 forms in pending status

Eligibility Requirements • **Degree:** Doctoral Degree.



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