

Opportunity Title: Tropical Forest Carbon Cycle

Opportunity Reference Code: 0117-NPP-NOV23-JPL-EarthSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0117-NPP-NOV23-JPL-EarthSci

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

Description Sasan Saatchi at the Radar Science and Engineering Section of JPL invites applications for a postdoctoral research position in the area of remote sensing of tropical forest carbon cycle, including carbon stocks and dynamics. The successful candidate will work on a research problem involving data fusion and synergism of optical and microwave sensors to estimate and map above ground forest structure, biomass, and changes from anthropogenic and climate impacts in tropical regions.

The research project has been supported by NASA's Terrestrial Ecology and Carbon Cycle Program and has been designed to examine and develop remote sensing techniques that can eventually help in developing spaceborne sensors for mapping and monitoring global forest carbon stock and dynamics.

A PhD in any related Earth Science disciplines is required at the time of the appointment. Applicants are anticipated to have a strong background in remote sensing techniques, engineering, physics, statistical techniques, and programming. Candidates with experience in forest ecology and remote sensing of vegetation are preferred.

Location:

Jet Propulsion Laboratory
Pasadena, California

Field of Science:Earth Science

Advisors:

Sasan Saatchi
Sasan.S.Saatchi@jpl.nasa.gov
818-354-1051

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/oiir/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



Whether you are just starting your career or already at a senior level, ORAU offers internships, fellowships, research opportunities, and contract positions that can provide you with invaluable experience. Download the ORAU Pathfinder mobile app and find the right opportunity to propel you along your career path!

Visit ORAU Pathfinder [↗](#)



Opportunity Title: Tropical Forest Carbon Cycle

Opportunity Reference Code: 0117-NPP-NOV23-JPL-EarthSci

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