

**Opportunity Title:** Tropical Forest Carbon Cycle  
**Opportunity Reference Code:** 0117-NPP-MAR25-JPL-EarthSci

**Organization** National Aeronautics and Space Administration (NASA)

**Reference Code** 0117-NPP-MAR25-JPL-EarthSci

**How to Apply** All applications must be submitted in [Zintellect](#)

Please visit the NASA Postdoctoral Program website for application instructions and requirements: [How to Apply | NASA Postdoctoral Program \(orau.org\)](#).

A complete application to the NASA Postdoctoral Program includes:

1. Research proposal
2. Three letters of recommendation
3. Official doctoral transcript documents

**Application Deadline** 3/1/2025 6:00:59 PM Eastern Time Zone

**Description** About the [NASA Postdoctoral Program](#)

The [NASA Postdoctoral Program \(NPP\)](#) offers unique research opportunities to highly-talented scientists to engage in ongoing NASA research projects at a NASA Center, NASA Headquarters, or at a NASA-affiliated research institute. These one- to three-year fellowships are competitive and are designed to advance NASA's missions in space science, Earth science, aeronautics, space operations, exploration systems, and astrobiology.

**Description:**

Sassan 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



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Pasadena, California

**Field of Science:**Earth Science

**Advisors:**

Sasan Saatchi

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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

**Questions about this opportunity?** Please email [npp@orau.org](mailto:npp@orau.org)

**Eligibility Requirements**

- **Degree:** Doctoral Degree.