

**Opportunity Title:** Multidisciplinary Studies on the Formation and Evolution of Solar System Geomaterials

**Opportunity Reference Code:** 0013-NPP-NOV23-JSC-PlanetSci

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

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

**Description** Understanding the processes responsible for the formation and evolution of rocks from different planetary bodies requires a diversity of tools, including (but not limited to) stable and radiogenic isotope geochemistry, experimental petrology, numerical modeling, and thinking outside the box. Projects often link experts in multiple fields and at multiple institutions in order to solve complex problems beyond the capabilities of any individual group. Of particular current interest are projects related to various aspects of volatile elements, and the formation and evolution of rocky bodies such as the Moon and Mars. You are encouraged to reach out to the PI as well as to other scientists in the Astromaterials Research and Exploration Science (ARES) group to discuss proposal opportunities. We are especially interested in projects involving secondary ion mass spectrometry (SIMS) or Isotope Ratio Infrared Spectroscopy (IRIS) techniques (e.g. Cavity Ring Down Spectroscopy, CRDS) of volatile stable isotope systems. Applications welcomed from all candidates with doctoral degrees in geoscience, chemistry, planetary sciences, or related fields who are interested in pursuing cutting-edge planetary science problems in a supportive, inclusive atmosphere.

**Location:**

Johnson Space Center  
Houston, Texas

**Field of Science:** Planetary Science

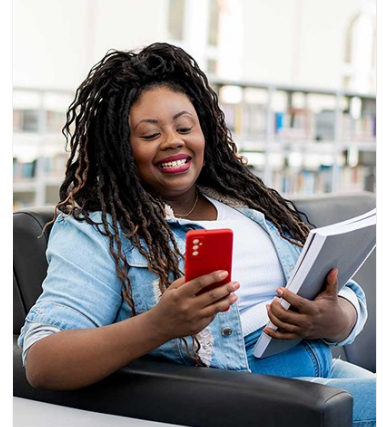
**Advisors:**

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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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