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Hobbies:

Reading
Creative Writing
Quilling
Blogging
Calligraphy

Sriparna Saha

Ph.D Candidate. Experimental Petrology. Science Communication

Career Interests Science Writing and communication; Teaching and Outreach; Editing

Skills

Research: Editing; Microsoft Office; Adobe Illustrator; PerpleX; Matlab
Laboratory: Piston-cylinder; Multi-Anvil; Sample Polishing and Cutting; Microscopy; Microprobe

Education

Fall 2014 - present

Rice University, Houston

Ph.D in Earth, Environmental and Planetary Sciences.

Cum. GPA: 3.91

Expected: May 2019.

Metasomatic processes in the continental lithospheric mantle and their role in physical and chemical properties beneath continents.

July 2011-Dec 2013

Jadavpur University, India

Master of Science in Applied Geology.

Origin and alteration of apatite rich rocks from the Beldihi- Kutni areas of South Purulia Shear Zone , Eastern Indian Shield.

July 2008-December 2011

Jadavpur University, India

Bachelor of Science in Geology.

Outreach and Teaching

Guest Speaker, Mini Geology KPFT Radio Show- February 2018

Invited to Speak on Greater Houston Area Radio Show.

Active Docent at Houston Museum of Natural Sciences (HMNS)-since November 2017

Involved in public interaction and leading student groups at the HMNS.

Teaching Assistant- Minerology and Petrology in Fall 2017

Presented lectures and led hands-on labs for undergraduates

Planned and assisted on a field trip to Southern California.

Orientation Leader

Liason for new students as Leader of small, diverse information sessions between 2016-2017.

Presenter at STEM Festival-Reach for the Stars in 2016

Lectured and led hands-on lab activities for young high school girls.

Lecturer at Sally Ride Science Festival in 2015

Lectured young high school girls on Volcanic Processes.

Presentations and Publications

Presentations

Saha et al., Can Hydrous Minerals Explain the Mid Lithospheric Discontinuity?: HGS-Rice Night, March 5, 2018, Houston— Poster Presentation

Saha et al., Hydrous Minerals and Mid Lithospheric Discontinuity:
Saha et. al., EEPS Reach: The New Department of Earth, Environmental and Planetary Sciences Outreach Program: IRESS 2018, February 22-33, Rice University, Houston— Poster Presentation

Saha et. al., Constraints on the Chemistry and Abundances of the Hydrous Phases in Sub Continental Lithospheric Mantle: Implications for Mid Lithospheric Discontinuity: AGU Fall Meeting 2017, December 11-15, New Orleans — Oral Presentation

Saha et al., High Pressure Phase Relations of a Depleted Peridotite Fluxed by CO₂-H₂O bearing Siliceous Melts and the Origin of Mid-Lithospheric Discontinuity: AGU Fall Meeting 2016, December, San Francisco—Oral Presentation

Publications

Peer Reviewed Journal Articles

Saha, S., Dasgupta, R., Tsuno, K.(2018). High pressure phase relations of a depleted peridotite fluxed by CO₂-H₂O-bearing siliceous melts and the origin of mid lithospheric discontinuity. *Geochemistry, Geophysics, Geosystems*, 19. <https://doi.org/10.1002/2017GC007233>

Science Articles

Saha, S., Science and the People. *Gray Matters*. Houston Chronicles- In process

Saha, S., Battle of the Conscious: Do I Belong here?. Writeathon, ComSciCon-Houston 2018

Awards and Fellowships

2018 Voices for Science Inaugural Cohort (Travel Grant) to be held in Washington D.C- 12-13th April, 2018

Honorary Mention at IRESS 2018 Poster Presentation at Department of Earth, Environmental and Planetary Sciences

Student Travel Award to AGU 2017 in New Orleans, LA by Department of Earth, Environmental and Planetary Sciences

Teaching Assistantship for ESCI 322, Earth Chemistry and Materials- Department of Earth, Environmental and Planetary Sciences- Fall 2017

Additional Interests

Creative Writing and Poetry

Self-published author of '*Remember*'

