




Sankha Subhra Mahanti

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Education

- 2021 – Now  **PhD in Seismology**
Department of Geosciences, University of Arizona, USA
Advisor: Eric Kiser
- 2016 – 2021  **Integrated BS-MS in Physics**
Department of Physical Sciences, IISER Kolkata, India.
MS Project Advisor : Supriyo Mitra

Research Experience




- 2022 -  **Graduate Research Assistant**
GSAT group, Dept. of Geosciences, University of Arizona.
Advisor : Eric Kiser
- 2020-2021  **MS project**
Computational Seismology Lab, IISER Kolkata, India.
Topic : Source Study of Himalayan Earthquakes.
Guide : Surpriyo Mitra
- 2019  **Summer Intern**
Earthquake Research Institute, University of Tokyo, Japan
Guide : Hiroe Miyake
- 2018  **Summer Intern**
Computational Seismology Lab, IISER Kolkata
Guide : Supriyo Mitra

Research Publications

1. Conference Proceedings

1. S.S. Mahanti, S. Mitra, H. Miyake, *Teleseismic Source Modelling of Strong-to-major Himalayan Earthquakes*, Abstract ID: 676674, AGU Fall Meeting, 2020. (Poster ID: S037 – 0015)

Teaching Experience

- Fall 2021  Graduate Teaching Assistant of Introduction to Geophysics (GEOS322) course at University of Arizona.
- Spring 2021  Teaching Assistant of Thermal Physics (PH2202) course at IISER Kolkata.
- Fall 2020  Teaching Assistant of Mathematical methods II (MA2103) course at IISER Kolkata.

Skills

Programming & Scripting	📖	Python, C, Fortran, Perl, Matlab, Bash Shell
Operating system	📖	Windows, Linux, macOS
Seismology Tools	📖	Seismic Analysis Code (SAC), Generic Mapping Tool (GMT), Pyrocko, MT5
Languages	📖	Bengali, English, Hindi

Academic Achievements

2019	📖	Selected in Sakura Science Exchange Program of Japan Science and Technology (JST).
2016-2021	📖	INSPIRE Scholarship from Department of Science and Technology (DST), India
2016	📖	Award and felicitation from West Bengal Council of Higher Secondary Education (WBCHSE) for state rank 10 in Higher secondary examination.

Extra Curriculum

- 📖 Football
- 📖 Photography
- 📖 Chess

References

Available on Request