

Poushalee Banerjee

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Research Interests

Fluvial Geomorphology | River Restoration | Remote Sensing | River management | River Health | GIS

Education and research experience

PhD (in progress, 2021- present)

Geography and Geographic Information Science, University of Illinois at Urbana-Champaign, USA.

Advisor: Dr. Bruce Rhoads

Co-Advisor: Dr. Alison Anders

Masters of Science, Geography (2019-2021)

Presidency University, Kolkata, India.

Specialization: Fluvial Geomorphology

Thesis: Changes in planform geometry and channel characteristics in the downstream part of the Farakka Barrage

Advisor: Dr. Krishna Gopal Ghosh

CGPA: 7.95/10

Bachelor of Science, Geography (2016-2019)

Presidency University, Kolkata, India.

Minor: Geology, Economics, Sociology

CGPA: 7.35/10 (Rank: 1)

Software and Technical skills

- **Data Analysis Tools:** MapInfo Professional ArcGIS, Erdas Imagine, Global Mapper, Geospatial Whitebox,
- **Modeling Tools:** ArcSWAT, HecRAS
- **Other:** Surfer, Endnote, NVivo
- **Instruments:** Dumpy-Level, Prismatic Compass, Total Station and DGPS, GPS
- **Experimental:** Water Quality Testing, Grain Size Analysis, Soil Analysis

Achievements

- Fred Foster Fellowship, Fall 2021 and Spring 2022
- First Class First (Gold Medalist) in Bachelor of Science, Geography.
- Was awarded the “Geographical Institute Book Prize” for securing “First Position” in Bachelor of Science, Geography at the 203rd Founders Day Celebration, 2020 at Presidency University, Kolkata.

Relevant training and internships

- Participated in the Two Days National Workshop on “Hands on Training and Exercise on the tool for Planning for Sustainable Development: ArcGIS” held from 6th to 7th September, 2019 in collaboration with Electrical Measuring Instruments (EMI), Kolkata at Jadavpur University, Kolkata.

Co-Curriculars

- 'Shilpa Visharad' degree from 'Sarbhharatiya Sangeet-O-Sanskriti Parishad' University, Kolkata during 2015-16.
- Learnt painting and drawing for 15 years under 'Sarbhharatiya Sangeet-O-Sanskriti Parishad' University, Kolkata.
- Learnt singing for 10 years in Gitabitan, Kolkata.
- Reading (Fiction and Non-Fiction), Travelling.