

Kanwa Sengupta

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PROFESSIONAL APPOINTMENTS

FLORIDA STATE UNIVERSITY, DEPARTMENT OF EARTH, OCEAN
AND ATMOSPHERIC SCIENCES 2022-PRESENT

- Graduate Assistant in teaching, GLY 2010C, Physical Geology, Grader: Fall '22, Lab Instructor: Spring '23, Fall '23, Spring '24
- Graduate Research Assistant, Summer '23, Summer '24

EDUCATION

FLORIDA STATE UNIVERSITY, DEPARTMENT OF EARTH, OCEAN
AND ATMOSPHERIC SCIENCES 2022-PRESENT

- PhD in Geology

INDIAN INSTITUTE OF TECHNOLOGY 2020-2022

- M.Sc. in Geology, CGPA: 9.72

JADAVPUR UNIVERSITY 2017-2020

- CGPA: 8.88/Percentage: 83.78

Honours: Geological Sciences, Elective: Chemistry, Mathematics

HIGHER SECONDARY: WBCHSE 2015-2017

- Percentage: 92.6

Bengali, English, Physics, Chemistry, Mathematics, Biology

SECONDARY: WBBSE 2015

- Percentage: 89.42

CONFERENCE ABSTRACT

STEWART, Emily, SAHA, Sayantan and **SENGUPTA, Kanwa**, 2024 Goldschmidt Conference

SENGUPTA, Kanwa, STEWART, Emily, Constraints on Metamorphic Decarbonation in a Proterozoic Orogen: Observational and Thermodynamic Evidence from the Central Metasedimentary Belt, Grenville Province, Ontario, Canada. AGU 2023

ALLMAN, Lindsy, **SENGUPTA, Kanwa**, STEWART, Emily, MOOKHERJEE, Mainak and BASU, Abhisek CONTACT METAMORPHISM AND DECARBONATION DURING EMPLACEMENT OF THE CENTRAL ATLANTIC MAGMATIC PROVINCE, FLORIDA. Geological Society of America Abstracts with Programs. Vol. 55, No. 2, 2023 doi: 10.1130/abs/2023SE-385667

AWARDS AND HONORS

INDIAN INSTITUTE OF TECHNOLOGY 24.12.2022

Institute Silver Medal –Best student in order of merit in M.Sc GEOLOGY from IIT Kharagpur

INDIAN INSTITUTE OF TECHNOLOGY 24.12.2022

Professor Amitabha Chakrabarti Memorial Award –Best student in order of merit in M.Sc GEOLOGY from IIT Kharagpur

DEPARTMENT OF SCIENCE AND TECHNOLOGY, GOVERNMENT OF INDIA 2017-2022

INSPIRE- SHE scholarship –Support for pursuing education in Science subjects in lieu of standing in top 1 percentile of West Bengal Council of Higher Education

PROFESSIONAL MEMBERSHIP

AMERICAN GEOPHYSICAL UNION 2023—PRESENT

COMPLETED RESEARCH PROJECTS

Master's Thesis Project

“Metamorphic evolution of K-feldspar-kyanite migmatite zone rocks from the Lesser Himalayan Sequence of the Western Arunachal Himalayas” under the guidance of Professor Santanu Kumar Bhowmik

Undergraduate Research Seminar

“Petro-geochemical characterization of Anorogenic and Post-Orogenic granites” under the guidance of Prof. Sanjoy Sanyal

SUMMER TRAININGS

OIL AND NATURAL GAS CORPORATION OF INDIA 2021

- Summer training on "FACIES CHARACTERISATION, SYN-SEDIMENTARY TECTONICS AND DEPOSITIONAL MODELS: IMPORTANT TOOLS FOR BASIN ANALYSIS" under Geology group, KDMIPE, ONGC.

WADIA INSTITUTE OF HIMALAYAN GEOLOGY, DEHRADUN 2021

- "Mafic magmatism in Kullu-Rampur Window- A literature review" under the guidance of Dr. M R Singh

JADAVPUR UNIVERSITY 2019

- Summer Training on Petrology and Geochemistry under the guidance of Prof. Pulak Sengupta, Prof. Sanjoy Sanyal, Prof. Subrata Karmakar and Dr. Shyamal Sengupta.

DISTINCTIONS

- Qualified Indian Institute of Technology Joint Admission Test for M.Sc. (JAM) 2020 with AIR 42
- Qualified Graduate Aptitude Test In Engineering (GATE) 2022 Geology and Geophysics with AIR 127
- Qualified Joint CSIR - UGC NET JUNE 2021 Lectureship/Assistant Professor

COURSES AND CERTIFICATIONS

- Completed course on "The Python Mega Course: Build 10 Real World Applications" offered by UDEMY
- Completed course on "Introduction to Programming with MATLAB" offered by Vanderbilt University and Coursera.
- Completed online course on "Geospatial technology for hydrological modelling" offered by Indian Institute of Remote Sensing, ISRO, Department of Space, Government of India.
- Completed course on "MATLAB Onramp" offered by MathWorks.
- Completed course on "Machine Learning Onramp" offered by MathWorks.
- Completed course on "Coal Petrography" offered by GSITI website.
- Completed Course on "Basic course on Gravity Exploration" offered by GSITI website.

MAJOR FIELD WORKS

- 2023: Fieldwork in Connecticut, New York and New Jersey to observe field relationships between the Central Atlantic Magmatic Province and sediments.
- 2023: PhD research field in and around Flinton, ON, Canada for studying metasedimentary rocks of the Grenville Orogeny
- 2020: Sedimentological and paleo/biological fieldwork in and around Chandipur, Orissa under the guidance of Dr. Anupam Ghosh and Dr. Soumik Mukhopadhyay as a part of B.Sc. curriculum.
- 2019: Petrology and Structural Geology field work in and around Deoghar-Jasidih, Jharkhand under the guidance of Prof. Pulak Sengupta and Prof. Subrata Karmakar as a part of B.Sc. curriculum.
- 2018: General geology and basics of mapping fieldwork in and around Maithon, West Bengal under the guidance of Prof. Supriya Mondal and Dr. Susanta Chaudhuri as a part of B.Sc. curriculum.

POSITION OF RESPONSIBILITY

- Vice President of Society of Exploration Geophysicists- Jadavpur University Student's Chapter (2020)
- Treasurer of Society of Exploration Geophysicists- Jadavpur University Student's Chapter (2019)

SOFTWARES AND SKILLS

Python	MATLAB	PerpleX	Coreldraw	Qgis	Adobe Illustrator
Erdas Imagine	Google Earth Pro	t-igpet	LATEX	MS-Office	CorelDraw

REPRESENTATIONS AND OTHER ACHIEVEMENTS

- Represented the state of West Bengal as a Child Scientist in 21st National Children's Science Congress (2013) in Bhopal, Madhya Pradesh.