

# Curriculum Vitae



## Shibajyoti Das

Indian Institute of Science Education and Research (IISER), Kolkata  
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**Date of Birth:** 15<sup>th</sup> September, 1992  
**Nationality:** Indian  
**CGPA:** 7.85

### CONTACT

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### RESEARCH INTEREST

- Molluscan diversity
- Predator-prey interaction
- Taphonomy

### EDUCATION

- Major (**Geoscience, 3<sup>rd</sup> year Onwards**) CGPA : **8.56**
- Minor (Physics, Chemistry, Math, Biology; 1<sup>st</sup> and 2<sup>nd</sup> year) CGPA : **7.2**

Year	Course/Degree	Semester	Name of the Institute	Percentage/SGPA
2014	Integrated BS-MS ( <b>Geoscience Major</b> )	8 <sup>th</sup>	Indian Institute of Science Education and Research (IISER), Kolkata	<b>8.67/10</b>
2013		7 <sup>th</sup>		<b>9.00/10</b>
2013		6 <sup>th</sup>		<b>8.56/10</b>
2012		5 <sup>th</sup>		<b>8.14/10</b>
2012	Integrated BS-MS (Before Major)	4 <sup>th</sup>		7.00/10
2011		3 <sup>rd</sup>		7.22/10
2011		2 <sup>nd</sup>		7.33/10
2010		1 <sup>st</sup>		7.44/10
2010	AISSE (12 <sup>th</sup> board exam, Science stream)		Ramakrishna Mission Vidyalaya, Viveknagar, Tripura (W)	86%
2008	AISSE (10 <sup>th</sup> Board)			90%

### RELEVANT COURSES:

- Principles of Paleontology
- Mineralogy and Geochemistry
- Isotope Geology
- Geophysics
- Structural Geology
- Igneous and Metamorphic Petrology
- Geodynamics and Geomorphology
- Sedimentology and Principles of Stratigraphy
- Phanerozoic and Pre-Cambrian Geology,
- Economic Geology
- Hydrology and geotechnical engineering
- Remote Sensing

## RELEVANT LABORATORIES:

- Paleontology
- Structural geology
- Mineralogy
- Igneous and metamorphic petrology
- Sedimentology
- Geophysics

## INTERDISCIPLINARY COURSES:

- Marine biology
- Genetics
- Evolutionary Biology
- Ecology Lab
- Biochemistry
- Cell Biology
- Probability and Statistics
- Linear Algebra and Ordinary Differential Equations
- Chemical Kinetics
- Physical organic and organic chemistry
- Spectroscopy and Other Physical Methods for Molecules and Solids
- Chemistry of Elements
- Polymer and theoretical chemistry
- Synthesis and chromatography
- Thermodynamics
- Electricity and Magnetism
- Electronics Lab
- Computer Lab

## FIELD EXPERIENCE:

### Course related:

- December 2013: Kangra, Himachal Pradesh, India – Sedimentology field
- December 2012: Galudih, Jharkhand, India – Structural geology field

### Lab related:

- December 2013: Kutch, India – Collection of Miocene Molluscan specimens
- Chandipur, India – Collection of recent samples, Collection of live samples.

## TEST SCORES:

**GRE:** 317 (Quant: 166, Verbal: 151, Analytical Writing: 3)

**TOEFL:** 104 (Reading: 29, Listening: 26, Speaking: 24, Writing: 25)

## LANGUAGE PROFICIENCY AND COMMUNICATION SKILL

- Native Language: **Bengali**
- Other Languages known: **English** and **Hindi**
- Studied from an English medium school and all the courses taken in school were in English.
- I have completed a semester course Communication Skill as a part of my regular coursework.

## PROJECT EXPERIENCE

**2014:** **Effect of hunger on prey size selectivity of Naticid gastropods** (*Manuscript under preparation*).  
**Supervisor:** Dr. Devapriya Chattopadhyay, DES, IISER Kolkata

**2013:** **Study of Miocene Molluscan paleoecology of Kutch, India**  
**Supervisor:** Dr. Devapriya Chattopadhyay, DES, IISER Kolkata

**Effect of lithification on drilling pattern**

**Supervisor:** Dr. Devapriya Chattopadhyay, DES, IISER Kolkata (*Manuscript under preparation*).

**2012:** **Elemental analysis of a sediment core from Central Indian basin**  
**Supervisor:** Mascarenhas Pereira M B L; National Institute of Oceanography - Dona Paula.

**2011:** **Investigation of the effect of different light regimes on the frequency of flies with faster and normal circadian periods of *Drosophila melanogaster* populations**  
**Supervisor:** Dr. Vijay Kumar Sharma, EOBU Unit, JNCASR-Bangalore

**Study of adult emergence profile under light dark 12:12 hr with different light intensities of *Drosophila melanogaster* populations selected for faster development in constant dark**

**Supervisor:** Dr. Vijay Kumar Sharma, EOBU Unit, JNCASR-Bangalore

## PUBLICATIONS (Abstracts)

- **DAS, Shibajyoti** and CHATTOPADHYAY, Devapriya, 2014, Effect of hunger on drilling predation by Naticid gastropods. Geological Society of America Abstracts with Programs, Vol. 46, No. 6.
- CHATTOPADHYAY, Devapriya, DUTTA, Saurav, **DAS, Shibajyoti**, and CHATTOPADHYAY, Debarati, 2014, Effect of climatic shift on biodiversity of bivalves: a case study from lower Miocene of Kutch, India. Geological Society of America Abstracts with Programs, Vol. 46, No. 6.

## AWARDS AND RECOGNITIONS

**2014:** 2<sup>nd</sup> prize for Best Poster in “Convergence-2014”, Department day cum geosciences seminar of Department of Earth Sciences, IISER Kolkata

**2014-2009** **Kishore Vaigyanik Protashan Yojana (KVPY)** Fellowship, Department of Science and Technology (DST), Government of India

**2009-2008** **Jagadish Bose National Science Talent Search (JBNSTS)** scholarship

**2008:** 16<sup>th</sup> rank in state (Tripura) in **National Talent Search Examination (NTSE)**

## SKILLS

**Programming Languages:** Python and C

**Operating Systems:** Linux and Windows

**Technical Software:** Matlab, PAST, R, Image J

- Instruments and techniques:**
1. MicroMill Sampling System
  2. Invertebrate fossil preparation
  3. ICP-MS
  4. AES

## EXTRA-CURRICULAR

- 2014:** **Teaching Assistant** for the 1<sup>st</sup> year Undergrad course Earth and Planetary Sciences (ES1101).
- 2014:** Participated in various outreach program organised by IISER Kolkata.
- 2014:** Won **1<sup>st</sup> Prize** in Eco-Quiz organised by Nature club, IISER Kolkata.
- 2014-2013:** Member and sub-committee incharge of **Gymkhana Committee**, the students' representative body of IISER Kolkata.
- 2014-2012:** Member of drama group "**Lallu ke laal**" and won **1<sup>st</sup> prize** in **24-hr drama competition** for three consecutive years.
- 2013:** Event Coordinator and a member of core committee of '**Inquivesta**', Science festival of IISER Kolkata.
- 2013-2010:** **Goalkeeper** of football team that won the annual **Football** trophy at IISER Kolkata for consecutive 4 years.
- 2012:** **Off-break spinner** in the **Cricket** team that won in **Inter IISER Sports Meet (IISM) - 2012**.
- 2014 & 2011:** Won **1<sup>st</sup> prize** in **Thrust (Water Rocketry)** in **Inquivesta**.
- 2012 & 2011:** **2<sup>nd</sup>** and **3<sup>rd</sup>** prize in **Face Painting competition** organized by Arts club, IISER Kolkata.
- 2012:** Participated in **Trekking** in Susunia hills, West Bengal and other workshops.
- 2012:** **3<sup>rd</sup>** prize in Art in a culture (**Painting with bacterial culture**) and Biomimetics event of **Inquivesta**.

## REFERENCES

- [Dr. Devapriya Chattopadhyay](#) (MS thesis mentor)  
Assistant Professor  
Department of Earth Sciences, IISER Kolkata  
Mohanpur, WB - 741 246, India
- [Dr. Kathakali Bhattacharyya](#)  
Assistant Professor  
Department of Earth Sciences, IISER Kolkata  
Mohanpur, WB - 741 246, India
- [Dr. Prasanta Sanyal](#) (Dept. Chair)  
Associate Professor  
Department of Earth Sciences, IISER Kolkata