

**Dr. Sohini Sen  
(Ghosh)**

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**Present Employer** Netaji Nagar Day Collage

**Role** State Aided College Teacher-I.

Doctorate degree ,Dept. of Architecture, Jadavpur University.

**Summary**

- **18 plus years of** experience in teaching as a capacity of lecturer.
- 1.6 Plus years research experience in the topic "Integrate waste management".
- Completed PG Diploma Course on "Remote Sensing and GIS" from School of Oceanography (Jadavpur University).
- Delivered lecturer on "Ground water, Arsenic pollution and its solution in 2008".
- **6 year** research experience in the topic" on Investigating Urban Heat Island effects with respect to the urban Land Use Land Cover change and Air Quality: A Case Study of Kolkata (Jadavpur University) .
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**Education**

Qualification	School/Collage
RET Exam(PHD entrance exam)	Jadavpur University
M.A	Guru Ghashi Das Central University
B.A. - Part 2	Burdwan University
B.A. - Part 1	Burdwan University
H.S.(12 <sup>th</sup> Stand.)	W.B.C.H.S.E
Madhyamik (10 <sup>th</sup> Stand.)	W.B.B.S.E
PG Diploma in GIS &Remote Sensing	Dept. of Oceanography, Jadavpur University
P.hd. awarded 2023	Dept. of Architecture , (Faculty Of ISLM ) Jadavpur University


**Software Knowledge:**

- Autocad
- MapInfo
- ArcView.
- Arc Gis.
- ERDAS Imagine.
- QGIS

• **Publication :**

“Evaluation of the Performance of Low Cost SDS Particulate Sensor and Standard Measuring Devices for Ambient Air Quality and Temperature monitoring in the context of local climate change with respect to LULC changes - a case study of Kolkata, West Bengal” **Geospatial Techniques in Climate Change Monitoring and Environmental Mapping, Elsevier (Accepted February,2025) .**

1. ISSN (P) : 2394- 2817, **International Journal of Advances in Mechanical and Civil Engineering (IJAMCE)**, **Paper title :**” Investigating Real Time Ambient Air Quality Status and Air Temperature during Kalipuja /Diwali Festival in different Land use types –Case study Kolkata, 2019.
2. ISSN: 0046- 9017(Print), ISSN : 2456 – 6519 (Online) **Indian Journal of Regional Science**, **Paper title :** Investigating PM 10 level with respect to the Urban Land use and its effect in Urban Heat Island.,June 2019.
3. ICME – III/SEC – II /232 , **Paper title :** Investigating Urban Heat Island effects with respect to the urban Land use and air quality A case study on Kolkata Metropolitan Area.Jan 2018.

**Conference attended / Paper presented :**

**International Conference on Mother Earth: Environmental Crisis & Sustainable Strategies, Jan, 2018.**

**International Conference ( Shanghai, Chaina ) IASTEM , Nov,2019 .**

**Research Project Completed/Under Progress:**

- A) “Investigating Urban Heat Island relation to urban Land use pattern, its local climate And air quality in the Kolkata Metropolitan Area”. The project is currently in-progress under the supervision of Dr. Debashis Das of the department of Architecture at Jabalpur University.
- B) “Change Detection of Sagar Island – Sundorban using GIS and Remote Sensing ” - School of Oceanography, Jadavpur University during 2010-2011.
- C) “Land use changes in Goasaba, West Bengal after cyclone Aila” - School of Oceanography, Jadavpur University during 2010-2011.
- D) “The study was on the effect of pesticides on some selected crops and their effect on human body” .This project was executed at Viswa Bharati University during 2008-2009.

**Seminar Attended:**

- “Water management in India” at French Museum, Chandanagar.
- “Water and future in India” – School of Oceanography, Jadavpur University.
- “Vibhutibhusan Bandopadhyay – Nana Chokhe” – Netaji Nagar Day Collage
- Two days hands on training programme in Q-GIS Software –Dept. of Geography, University of Calcutta.
- Webinar on Covid 19: its effect on environment –Vidyasagar College for Wemen.
- Webinar Pandemic Life & Development – Morigano College, Assam.
- Webinar on “Science and Technology for Sustainable Economic Growth in this Pandemic Scenario”.

**Workshop Attended:**

- Workshop on “Application of Quantitative Techniques in Spatial Planning” – Dept of Architecture, Jadavpur University.

- Workshop on"- Writing Quality Research Article for Publication" – Faculty of Engineering and Technology, Jadavpur University.
- Workshop on "Goegraphy theory & practical, Sem 5 paper 12" – Loreto College.

#### **Employment History:**

- **Netaji Nagar Day Collage**

Working as a part time lecturer since August 2010 to till date.

- **Sarat Centenary Collage**

Worked as a Part time lecturer since Nov. 2007 to till July 2010.

#### **Extra-curricular activities**

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1. Completed 6 years Sangeet Prabhakar in Rabindra Sangeet.
2. Badminton champion at Collage level in Hooghly District.
3. Completed 4th Year Drawing Exam of Bangiya Parishad .

#### **Personal Details**

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Address : 80-E, East Baghajatin, Kolkata, Pin – 700086, India  
Marital Status : Married  
Nationality : Indian