

# Swosti Subhrajyoti Sahoo

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LinkedIn

## Research Interest

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Economic Impact of Natural  
Disasters

Disaster Management and  
Governance

Resilience Assessment

## Education

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### PhD

*TERI School of Advanced Studies*

Sep 2021 – present  
New Delhi, India

- I work on developing a methodology to assess the resilience of households to cyclones in Odisha. The aim of this research is to predict the resilience of households to cyclones in current as well as future time periods taking into account the resilience building strategies adopted by the households initiated by government at different levels.

### MSc in Economics

*TERI School of Advanced Studies*

Jul 2019 – Jun 2021  
New Delhi, India

- During my master's I studied and utilized advanced economic theories to understand and address contemporary issues in development, natural resources, and environment. The curriculum, with its extensive focus on developing research rigor and quantitative analysis skills, has further equipped me for a career in public policy.
- As part of my research thesis, I studied the impact of cyclones on the coastal households in Odisha. Using regression analysis, I found that age of household head, proximity to cyclone shelter and formal credit access helps strengthen households' resilience during the cyclones.
- Grade point - 6.89

### BA in Economics

*Ravenshaw University*

Aug 2016 – Jun 2019  
Cuttack, India

- Grade point - 7.01

## Professional Experience

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### TERI School of Advanced Studies

*Project Associate*

Jan 2024 – present  
New Delhi

## **TERI School of Advanced Studies**

### *Junior Research Fellow*

May 2023 – Jun 2023

New Delhi

Project on - Assessing green infrastructure based resource efficiency and potential to integrate ecosystem based solutions for climate adaptation in metropolitan city-regions in India.

## **Project Saraswati 2.0**

### *Research Assistant*

Jul 2021 – Dec 2021

New Delhi

- Four-year Horizon 2020 project jointly funded by the European Union and the Department of Science and Technology (DST)/Department of Biotechnology (DBT), Government of India.
- As part of the project, I conducted a literature survey on wastewater treatment plants in India. From existing literature I found that (i) installed capacity of wastewater treatment significantly lower than required capacity, and (ii) dearth of safety regulation for their operations.

## **Mine and Labor Protection Campaign**

Feb 2021 – Mar 2021

### *Research and Data Analysis Intern*

- This project was intended to understand the needs of households where a male earning member had died due to a pulmonary disease.
- Here, I worked on the Needs assessment of widows in Rajasthan's three mining districts - Jodhpur, Bundi and Bhilwara.

## **Conference Presentation**

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### **3rd Annual Conference in Economics and Finance**

Mar 2022

*BITS Pilani, Hyderabad Campus*

Online

Paper title - Static Resilience of Households to Cyclone : A case study of Puri district in Odisha

### **17th International Conference on Public Policy & Management**

Aug 2022

*Centre for Public Policy, IIM Bangalore.*

Bangalore

Paper title - Static Resilience of Households to Cyclone : A case study of Puri district in Odisha

### **Second Biennial Conference on Development**

Dec 2022

*Indira Gandhi Institute of Development Research*

Mumbai

Paper title - Static Resilience of Households to Cyclone : A case study of Puri district in Odisha

## Work in Progress

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### Static Resilience of Households to Cyclone: A Case Study of Puri District in India

*With Dr Seema Sangita*

## Teaching experience

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### Probability and Statistics

Nov 2022

*At TERI School of Advanced Studies*

- Teaching and lab assistant for R.

## Workshop

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### An Introduction to Climate Change: Science, Politics and Impacts

Jul 2022 – Aug 2022

*Centre for Science and Environment*

- The course unpacked the global discourse and politics around climate change.
- It emphasized on the principles of common but differentiated responsibility to reduce world's GHG emissions without compromising the development needs of developing and under-developed countries.

## Skills

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| • LATEX | • R | • STATA |
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## Languages

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| • English | • Hindi | • Odia |
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