

**PRANANDITA BISWAS**

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 • [LinkedIn](#) • [Website](#)

**EDUCATION**

Erasmus Mundus Joint Master Degree in Vienna, Austria and Paris, France  
**Economic Policies for the Global Transition (EPOG+)** July 2024

Joint degree awarded by

Vienna University of Economics and Business (**WU Vienna**),  
**Sorbonne Université, Université Paris Cité, and Université de Technologie de Compiègne**

- *Honors: summa cum laude*
- Fully funded by the *Erasmus Mundus Scholarship* awarded by the European Commission
- *Thesis title:* Econometric analysis of competing theories of inflation in Sri Lanka—Money supply or exchange rate?  
*Supervisors:* Jonathan Marie (Université Sorbonne Paris Nord), Jonas Bunte (WU Vienna)

**Indian Institute of Science** Bengaluru, India

Master of Science, Physics 2019

Bachelor of Science, Physics with minor in Biology 2018

- Funded by the *Kishore Vaigyanik Protsahan Yojana Fellowship* awarded by the Government of India (2014–2019)

**RESEARCH EXPERIENCE**

**EPOG+** Paris, France

*Master researcher* February–June 2024

*Thesis title:* Econometric analysis of competing theories of inflation in Sri Lanka—Money supply or exchange rate?

- Proposed empirical models of inflation during the Sri Lankan financial crisis of 2022 using *quantitative analysis of macroeconomic and financial data*
- Conducted *time-series econometric analysis* (autoregressive distributed lag models) to determine the roles of monetary expansion and exchange rates in causing high inflation
- Analyzed inflation within structural political economy context of Sri Lanka

**National Centre for Biological Sciences** Bengaluru, India

*Visiting researcher, Archives* June–August 2022

- Studied land conflicts between communities and governments over wildlife conservation through political ecology perspective
- Conducted qualitative research in political ecology
- Methods: *archival research, interviews, and secondary research*

**Centre for Nano Science and Engineering, Indian Institute of Science** Bengaluru, India

*Student researcher (Bachelor and Master theses)* July 2017–May 2019

- Conducted experimental research on 2D nanomaterials for applications in photovoltaics  
**Publication:** S. Bhattacharjee, P. Biswas, S. Solanke, R. Muralidharan, D. Nath and N. Bhat, “Optoelectronics based on Vertical Transport in Multi-layer MoS<sub>2</sub>,” *2018 76th Device Research Conference (DRC)*, pp. 1–2. <https://doi.org/10.1109/DRC.2018.8442171>

## SKILLS

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- **Quantitative methods**
  - Econometrics—Panel data, Time-series analysis
  - Agent-based modeling
- **Programming languages:** R, Python, NetLogo (for agent-based modeling), MATLAB
- **Qualitative methods:** Archival research, Interviewing, Secondary research
- **Other skills:** Science communication, Editing, Academic reviewing, LaTeX
- **Languages:** Native proficiency—English, Hindi, Bengali; Elementary proficiency—French (A2)

## PROFESSIONAL EXPERIENCE

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### CACTUS Communications

Remote

*Scientific reviewer*

October 2020–May 2022

- Helped researchers publish articles in top-ranked scientific journals (including *Elsevier*, *Science*, and *Nature* publications) by simulating the peer-review process
- Inspected work of editors on 15–20 articles per week to ensure publication-worthy quality
- Critiqued journal manuscripts, pedagogical texts, and policy briefs related to physics, computer science and machine learning, and quantitative social sciences

### Eklavya Foundation

Bhopal and Nagpur, India

*Science education intern*

September–December 2019

- **Education**
  - Worked with 6 rural government schools in central India to improve science education using low-cost science kits and increase inclusion of first-generation students from indigenous communities.
  - Planned and conducted middle-school classes
  - Wrote a field-based report analyzing attendance and class participation of teachers
  - Assisted in conducting teacher-training workshop
- **Publishing**
  - Wrote science articles for Hindi-language magazines for schoolteachers
  - Edited articles on science pedagogy

## AWARDS

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### Erasmus Mundus Master Scholarship

2022–2024

Awarded by the European Commission

### Kishore Vaigyanik Protsahan Yojana (KVPY) Fellowship

2014–2019

Awarded by the Department of Science and Technology, Government of India for pursuing undergraduate and master degrees in basic sciences

## WRITING SAMPLES

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1. ‘Econometric analysis of competing theories of inflation in Sri Lanka—Money supply or exchange rate?’ (2024) *EPOG+ master thesis*. [Web link](#).
2. ‘The impact of political stability on FDI? A panel analysis of ASEAN countries.’ (2024) *With Risolat Tashmatova*. [Web link](#).
3. ‘Financialization of NFCs: Case study of Infosys Limited.’ (2024) *With Sofiya Makohin*. [Web link](#).
4. ‘Towards an empirically informed agent-based model for collective groundwater management.’ (2023). [Web link](#).
5. Science, politics, and wildlife policy: Exclusionary conservation in Karera, India. (2023). [Web link](#).