

PRANANDITA BISWAS

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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***
Final grade: 16.1 / 20 (French grading scale: 0–20)
- 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

Cumulative grade point average: 6.6 / 8

Bachelor of Science, Physics with minor in Biology

2018

Cumulative grade point average: 6.7 / 8

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

RESEARCH EXPERIENCE**EPOG+**

Paris, France

Masters 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
- 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: <https://doi.org/10.1109/DRC.2018.8442171>

PROFESSIONAL EXPERIENCE

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

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 fundamental sciences

SKILLS

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

WRITING SAMPLES

1. ‘Econometric analysis of competing theories of inflation in Sri Lanka—Money supply or exchange rate?’ (2024). EPOG+ master thesis.
2. ‘The impact of political stability on FDI? A panel analysis of ASEAN countries.’ (2024) Co-authored with Risolat Tashmatova.
3. ‘Financialization of NFCs: Case study of Infosys Limited.’ (2024) Co-authored with Sofiya Makohin.
4. ‘Multilateralism in decline? The Appellate Body crisis in the WTO.’ (2023)
5. ‘Towards an empirically informed agent-based model for collective groundwater management.’ (2023)