

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 MoS₂,” *2018 76th Device Research Conference (DRC)*, pp. 1–2. <https://doi.org/10.1109/DRC.2018.8442171>

SKILLS

- **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

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 basic sciences

WRITING SAMPLES

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](#).