

# MRIDUCHHANDA CHATTOPADHYAY

Assistant Professor

Department of Economics, St Xavier's College (Autonomous), Kolkata

## **CONTACT INFORMATION**

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**Present Address:**

Department of Economics, St. Xavier's College  
(Autonomous), Kolkata,  
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**Permanent Address:**

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West Bengal, India

**Phone:**

+91-7980499833

## **PERSONAL DETAILS**

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Date of Birth: July 30,1990

Marital Status: Married

## **EDUCATION**

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PhD in Economics, Waseda University, Tokyo (*Submitted & defended:* December 2021) 2022

*Title of doctoral dissertation:* Essays on Household Air Pollution in Developing Countries: A Study of Households in an Indian Rural Village

*Supervisor:* Prof. Toshi H. Arimura, Faculty of Political Science and Economics, Waseda University

M.A., Economics (77.11%; CGPA: 9.81), Jadavpur University 2014

B.A., Economics (65.7%; CGPA: 8.47), Jadavpur University 2012

## **FIELDS OF INTEREST**

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**Specialisation:** Environmental Economics

**Topics:** Household Air Pollution, Carbon Policy Instruments, Climate Change Adaptation, Subjective Probabilistic Expectation

**Other areas of interest:** Econometrics, Micro-economics, Applied Microeconomics, Applied Micro-econometrics

## **EMPLOYMENT**

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Assistant Professor, School of Liberal Studies, University of Petroleum and 04/04/2022 –

Energy Studies, Dehradun 23/06/2023

Assistant Professor, Department of Economics, St Xavier's College, Kolkata 24/06/2023 -

## **AWARDS, FELLOWSHIPS AND HONORS**

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**Scholarship**

Japanese Government (Monbukagakusho: MEXT) Scholarship: PhD student (2015 – 2019)

Indira Gandhi Single Girl Child Scholarship for Masters student (2012 – 2014)

## **Awards**

Encouragement Award, Society for Environmental Economics and Policy Studies, Japan (October 2022)

AY 2021 Dean's Academic Prize (for Doctoral Program), Graduate School of Economics, Waseda University (March 2022)

AY 2021 Azusa Ono Memorial Award 2021, Waseda University (March 2022)

Second prize in "Way to Happiness" Essay Competition in the World Youth Buddhist Symposium 2017, Chiang Mai, Thailand

## **Honors**

Visiting Scholar, Indian Council of Social Science Research- Eastern Regional Center, Kolkata (February-April, 2022)

## **PUBLICATIONS**

### **Journal Publication**

Yokoo, H. F., Arimura, T. H., Chattopadhyay, M., & Katayama, H. (2023). Subjective risk belief function in the field: Evidence from cooking fuel choices and health in India. *Journal of Development Economics*, 161, 103000 (Q1; ABDC-A\*; Web of Science)

Chattopadhyay, M., Arimura, T. H., Katayama, H., Sakudo, M., & Yokoo, H. F. (2021). Subjective probabilistic expectations, household air pollution, and health: Evidence from cooking fuel use patterns in West Bengal, India. *Resource and Energy Economics*, 66, 101262. (Q1; ABDC-A; Web of Science)

CHATTOPADHYAY, M., ARIMURA, T. H., KATAYAMA, H., SAKUDO, M., & YOKOO, H. F. (2017). Cooking Fuel Choices—Analysis of Socio-economic and Demographic Factors in Rural India—. *ENVIRONMENTAL SCIENCE*, 30(2), 131-140

### **Reports**

Arimura, T. H., Chattopadhyay, M., Dendup, N. & Tian, S. (2022). *Green Revenues for Greener Asia*. Asian Development Bank. Available at: <https://www.adb.org/sites/default/files/institutional-document/782851/ado2022bp-green-revenues-greener-asia.pdf>

### **Book Chapters**

Chattopadhyay, M. (2015) "Rural Livelihoods in India Viewed from the Perspective of Women" in *Rural Livelihoods in India: Issues, Measurement and Policies*, Biswajit Chatterjee and Asim K Karmakar (eds), ch 12, pp. 187-197, Concept Publishing Company Private Limited, Delhi (ISBN: 978-9351251514)

Chattopadhyay, M. (2014) "Rural Livelihoods in India Viewed from the Perspective of Women in Context of Micro-Finance and Self-Help Groups" in *Poverty Eradication and Self-Help Groups*, V. Neelamegam and R. Dhanasekhar (eds), ch 5, pp. 57-66, APH publication, Delhi (ISBN: 978-9331321190)

### **Journal Papers under review**

"Economic cost of mitigating Household Air Pollution - A study of households in rural West Bengal, India" (under second round of revision in *Singapore Economic Review*)

## **Discussion Paper**

Chattopadhyay, M. (2021). *Economics of clean air: Valuation of reduced health risks from Household Air Pollution-A study of rural Indian households*, WINPEC (Waseda Institute of Political Economy) Discussion Paper No. 2119

Yokoo, H. F., Arimura, T. H., Chattopadhyay, M., & Katayama, H. (2020). *Subjective risk belief function in the field: Evidence from cooking fuel choices and health in India*. Research Institute for Environmental Economics and Management, Waseda University Discussion Paper No. 2003

## **Work in Progress**

“Personality Traits, Economic Preferences, and the Individual Support of Climate Policy Measures: An Empirical Study for Japan” (joint with Toshi H. Arimura, Andreas Ziegler)

“A Study on the Climate Change Adaptation Behaviour of Households in the Philippines: How People Behave or Not in Severe Weather Conditions” (joint with Toshi H. Arimura, Majah Ravago, A. Garcia)

## **TEACHING EXPERIENCE**

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### **As full-time faculty:**

#### **Courses taught in the School of Liberal Studies, UPES**

##### *PhD course*

- Microeconomics for PhD students (elective course), September – December, 2022
- Economics for the Environment (elective course), September – December, 2022

##### *Undergraduate course*

- Environmental Studies, January – April, 2023
- Probability and Statistics I, January – April, 2023
- Microeconomics I, January – April, 2023

### **As Teaching Assistant (during PhD)**

#### *Graduate Course: Environmental Economics*

- (in English), Fall semester (September 2020 – February 2021)
- (in Japanese), Fall semester (September 2019 – February 2020)
- (in English), Spring semester (April – August 2018)

#### *Undergraduate Course: Environmental Economics at Graduate School of Economics, Waseda University*

- (in Japanese), Spring semester (April – August 2021)
- (in Japanese), Fall semester (October 2020 – February 2021)
- (in Japanese), Spring semester (April – August 2020)
- (in Japanese), Spring semester (April – August 2019)

#### *Graduate Course: Econometrics at Graduate School of Economics, Waseda University*

- (in English) Summer quarter (June-August 2021)
- (in English), Winter quarter (November 2020 – February 2021)
- (in English), Summer quarter (June-August 2020)
- (in English), Spring quarter (April-June 2019)

### *Tutor*

- Tutor for Japan International Co-operation Agency (JICA) scholar, Spring semester, Center for International Education, Waseda University, April – August 2020

## **PHD SUPERVISIONS**

Noopur Jha, University of Petroleum and Energy Studies (co-supervisor with Prof. Subhashish Gangopadhyay); December 2022 – ongoing

## **RESEARCH EXPERIENCE: COLLABORATIVE PROJECTS**

**Project title:** *Individual Behavioural and Psychological Factors and Support for Carbon Pricing Instrument in Japan*

Collaborator: Prof. T. H. Arimura (Waseda University), Prof. A. Ziegler (University of Kassel)

Funding Agency: Deutscher Akademischer Austauschdienst (DAAD, Germany) Japan Society for the Promotion of Science (JSPS, Japan)

Tenure: January 2020 – March 2023

**Project title:** *Green Revenues for Greener Asia*

Collaborator: Prof. T. H. Arimura (Waseda University), Dr N. Dendup (Waseda University), Shu Tian (Asian Development Bank)

Funding Agency: Asian Development Bank

Tenure: June 2021 – March 2022

**Project title:** *A Study on the Climate Change Adaptation Behaviour of Households in the Philippines: How People Behave or Not in Severe Weather Conditions*

Collaborator: Prof T. H. Arimura (Waseda University), Prof. M. Ravago (Ateneo De Manila University), Ms. A. Garcia (Waseda University; National Economic Development Agency Philippines)

Funding Agency: Japan International Co-operation Agency, Waseda University

Tenure: September 2019 – August 2021

## **RESEARCH EXPERIENCE: OTHERS**

Research Assistant, Research Institute of Environmental Economics and Management, Waseda University, October 2017 – September 2021

Research Assistant, Waseda Institute of Political Economy, Waseda University, November 2019 – February 2020

Research Assistant, Waseda Institute of Political Economy, Waseda University, November 2018 – February 2019

## **SEMINAR AND CONFERENCE PRESENTATIONS**

*Information dissemination through internet and the choice of cooking fuels: A case study of rural Indian households*

- 27<sup>th</sup> Annual Conference of Society for Environmental Economics and Policy Studies, Virtual, October 2022

*Economic cost of mitigating Household Air Pollution - A study of households in rural West Bengal, India*

- 11<sup>th</sup> Annual Congress of Asian Association of Environmental and Resource Economics, Ho Chi Minh City (Virtual) August 2022

*Personality Traits, Economic Preferences, and the Individual Support of Climate Policy Measures: An Empirical Study for Japan*

- 26<sup>th</sup> Annual Conference of Society for Environmental Economics and Policy Studies, Nagoya (Virtual) September 2021

- 10<sup>th</sup> Annual Congress of Asian Association of Environmental and Resource Economics, Seoul (Virtual) August 2021

*Behavioural traits and support for climate policies: Study of Japanese households*

- Waseda Brussels Office Workshop on ‘Environmental Conservation Behaviours and Climate Policy Instrument’, Brussels (Virtual), March 2021

*Information access and choice of cooking fuels: Study of rural Indian households*

- WasePo (collaboration between Waseda University, Japan and Science Po, France) ‘Humans and Mobility’ Second seminar, Paris (Virtual), February 2021

*Impact of literacy and information provision on cooking fuel choice behaviour: A study of rural Indian households*

- 2020 Annual Conference of the Society of Environmental Economics and Policy Studies (SEEPS), Speed Talk Session, Nagoya University (Virtual), September 2020

*Valuation of reduced health risks from Indoor Air Pollution and starting point bias: A study of rural Indian households*

- 25<sup>th</sup> Annual Conference of European Association of Environmental and Resource Economics, Berlin (Virtual), June 2020

*Willingness to Pay for Reducing Indoor Air Pollution: Study of Rural Indian Households*

- 2019 Annual Conference of the Society of Environmental Economics and Policy Studies (SEEPS), Fukushima University, September 2019

*Subjective probabilistic expectations, Indoor Air Pollution and Health: Evidence from cooking fuel use pattern in India*

- 8<sup>th</sup> Congress of Asian Association of Environmental and Resource Economics, Beijing, August 2019
- 1<sup>st</sup> Asian Workshop on Econometrics and Health Economics, Kyoto, December 2018
- Annual Conference of Taiwan Association of Environmental and Resource Economics, Taipei, December 2018
- Special seminar (Invited Lecture), Graduate School of Economics, Sophia University, Tokyo, October 2018
- Annual Conference of the Centre for Positive Political Economy (CPPE), Waseda University, Tokyo, March 2018
- 2017 Annual Conference of the Society of Environmental Economics and Policy Studies (SEEPS), Kochi University, Kochi, September 2017

*How to solve the indoor air pollution issue for SDGs? Evidences from India and Bhutan*

- Open Innovation Forum, Waseda University, (poster presentation), Tokyo, March 2019

*Willingness to pay for lowering the risk from dirty cooking energy: A case study of rural Indian households*

- 18<sup>th</sup> Conference of Science Council of Asia (poster session), Science Council of Japan, Tokyo, December 2018

*The Concept of Happiness in Standard Economics and Buddhist Economics*

- World Youth Buddhist Symposium, Chiang Mai, August 2017

## **PROFESSIONAL SERVICES AND ACTIVITIES**

Trainer of STATA for Systech Sales (Authorised dealer of STATA corp in India): 2022 – onwards

Chaired Plenary Session at the One Day National Seminar organised by ICSSR-ERC Kolkata and Department of English and Bengali, Sarshuna College, Kolkata titled "*Creativity and Pedagogy: Gaps, Trends and Challenges in Contemporary Digital Ecology*" (March 29, 2022)

Panel discussant at the Committee of Science and Society and Young Academy of Japan Session in 18<sup>th</sup> Conference of Science Council of Asia, Science Council of Japan, Tokyo, December 2018

Attended "1H Maximum Likelihood Course" in Essex Summer School in Social Science Data Analysis conducted by Essex University (July 25 – August 5, 2016)

Attended Course on "Analyse your data with R" at Indian Institute of Public Health Hyderabad (January 19, 2015 – January 23, 2015)

Reviewer at *Future and Foresight Science; American Journal of Environmental and Resource Economics, Letters in Spatial and Resource Sciences, International Journal of Economic Policy Studies*

Member, Society of Environmental Economics and Policy Studies, Japan

Member, Asian Association of Environmental and Resource Economics

Member, Asiatic Society of India

## **MISCELLANEOUS**

Programming Skills: STATA (advanced), R (basic), Microsoft office (advanced)

Languages: Bengali (native), English (fluent), Japanese (fluent), Hindi (fluent)

Diploma in Japanese Language, School of Languages and Linguistics, 2013  
Jadavpur University

Cleared N4 level in Japanese Language Proficiency Test 2012

Cleared N5 level in Japanese Language Proficiency Test 2011

Taught Japanese Culture and Civilisation at Ramkrishna Mission Institute of Culture, Kolkata.

January – May, 2022

## **REFERENCES**

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### **Prof. Toshi Hide Arimura**

Director,  
Research Institute of Environmental Economics,  
Waseda University  
Director  
Waseda Institute of Advanced Studies  
Professor,  
Faculty of Political Science and Economics,  
Waseda University  
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### **Dr. Hide-Fumi Yokoo**

Associate Professor,  
Graduate School of Economics,  
Hitotsubashi University  
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### **Prof. Arpita Ghose (Dhar)**

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arpita.ghose@jadavpuruniversity.in