

# RAAHIL MADHOK

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## EDUCATION

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- 2018 - Present    Ph.D., Land and Food Systems, University of British Columbia
- Fields:* Environmental Economics, Development Economics
- Advisors:* Sumeet Gulati (LFS), Patrick Baylis (Economics)  
*Committee:* Siwan Anderson (Economics), Frederik Noack (LFS)
- 2017 - 2018    First year Economics PhD coursework, University of British Columbia
- 2015    M.A., Economics, University of British Columbia
- 2012    B.A., Economics, Environmental Studies, McGill University

## FELLOWSHIPS AND AWARDS

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- 2019-    SSHRC Joseph-Armand Bombardier Doctoral Fellowship
- 2019    Ursula Knight Abbott Travel Scholarship in Agricultural Sciences
- 2017 - 2018    CIDC/CERC Fellowship
- 2017    Graduate Support Fellowship
- 2015    W. Erwin Diewert Graduate Prize for Best Economics Masters Thesis
- 2014    Graduate Entrance Scholarship

## WORKING PAPERS

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1. "Infrastructure Development, Economic Growth, and Biodiversity Loss in India"

*Abstract:* What are the tradeoffs between economic development and biodiversity? I investigate this question in the context of India from 2015-19 using a novel panel dataset comprising the universe of infrastructure projects requiring deforestation and digital diary entries of 13 millions birds by birdwatchers. I use an extensive set of fixed effects to account for the endogeneity of voluntary data collection. Results show 1  $km^2$  of development causes a species diversity decline of 4% relative to the mean. I also recover the economic value of this species decline using the opportunity cost of time spent birdwatching. Subsequently, I seek to compare this loss against the economic benefits of these projects.

## RESEARCH IN PROGRESS

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1. "The Price of Coal-Over-Wire: Power Plants, Pollution and Child Health in India" with Rohini Pande (Yale), Kevin Rowe (Harvard) and Anish Sugathan (IIM-Ahmedabad)
2. "Rural-Urban Migration and Labour-Capital Substitution" with Olivier Deschenes (UCSB), Mushfiq Mo-barak (Yale) and Frederik Noack (UBC)

## **PRE-PhD PUBLICATIONS**

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1. Madhok, R. (2013). "Reservation Policy and Criminal Behaviour in India: The Link Between Political Reservation and Atrocities Against Scheduled Castes and Tribes". *Issues in Political Economy*. Vol 22: p. 56-76
2. Greenstone, M., Madhok, R., Pande, R., Shah, H. (2013). "Water Pollution and Public Health in India: The Potential for a Market-Based Approach" *Health and South Asia Digital Handbook*.

## **RESEARCH EXPERIENCE**

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2019	Research Consultant, Metro Vancouver, Environmental Regulation & Enforcement
2015 - 2016	Pre-Doctoral Fellow to Rohini Pande, Harvard Kennedy School
2012 - 2014	Research Assistant to Michael Greenstone and Rohini Pande, J-PAL South Asia
2012	Short-Term Consultant, The World Bank

## **TEACHING ASSISTANTSHIPS**

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2014-15	Intro. Microeconomics, Intro. Macroeconomics (undergraduate)
2017	Intermediate Macroeconomics (undergraduate)
2018	Microeconomic Theory (graduate)
2019	International Macroeconomics (graduate)

## **PRESENTATIONS**

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2020	UBC Enviro. Econ. Seminar, TWEEDS (postponed)
2019	Berkeley/Sloan Summer School in Enviro. and Energy Economics (egg-timer), AERE Summer Conference (co-author presented), UBC Enviro. Econ. Seminar, LFS Grad. Conference (UBC)

## **SKILLS**

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Software: Stata, R, Python

Languages: English (Native), Hindi (Conversational), Spanish (Conversational)

## **PERSONAL INFORMATION**

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Born: September 27, 1990

Citizenship: Canada, USA