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EDUCATION

Ph.D. in Economics, University of California, Los Angeles, 2002.
M.S. in Electrical Engineering, Indian Institute of Technology, Delhi, 1983.
B.S. in Electrical Engineering, Indian Institute of Technology, BHU, 1981.

PROFESSIONAL EXPERIENCE

Professor, Department of Economics, Iowa State University, August 2017 – present.
Associate Professor, Department of Economics, Iowa State University, August 2008 – May 2017.
Assistant Professor, Department of Economics, Iowa State University, August 2001 – April 2008.
Consultant, World Bank, Washington D.C. May – August 1998
Indian Administrative Service, India, Aug. 1984 – August 1996.

FIELDS OF SPECIALIZATION

International Finance; Macroeconomics; Environmental Economics

PUBLICATIONS

1. “Discretion rather than rules in multiple-species fisheries” with Quinn Weninger, , *Journal of Environmental Economics and Management*, 125, May 2024
2. “Entry under placement uncertainty” with Sunanda Roy and Quinn Weninger, *Games and Economic Behavior*, 145, Pages 157-196, May 2024,
3. “A model of rational equilibrium in quota-regulated multiple-species fisheries,” *Natural Resource Modeling*, November 2022
4. “Cap and Trade under Transactions Costs,” with Quinn Weninger, *Economic Theory*, 64 (2017): 357-407
5. “Harvest efficiency and fishery discards under harvest uncertainty and trading restrictions” with Quinn Weninger, *Journal of Environmental Economics and Management*, 70, 72-91, March 2015
6. “Cap-and-trade bycatch management with costly avoidance and stock uncertainty”, with Quinn Weninger, *Marine Resource Economics*, 30, 97-119, January 2015
7. “Investment Composition and International Business Cycles”, with Marcelo Oviedo, *Journal of International Economics* 89(1), 79-95, January 2013
8. “Optimal Monetary Rules under Persistent Shocks”, with Joydeep Bhattacharya, *Journal of Economic Dynamics and Control*, 34(7), 1277-1294, July 2010
9. “Fleet Restructuring, Rent Generation, and the Design of Fishing Quota Programs: Empirical Evidence from the Pacific Coast Ground-fish Fishery”, with Carl Lian and Quinn Weninger, *Marine Resource Economics*, 24, 329-359, January 2010
10. “Optimal Choice of Monetary Policy Instruments under Velocity and Fiscal Shocks” with Chetan Subramanian, *Economic Modeling*, 26 (5), 865-877, September 2009

11. “Bioeconomies of Scope and The Discard Problem in Multiple Species Fisheries”, with Quinn Weninger, *Journal of Environmental Economics and Management*, 58(1), 72-92, July 2009
12. “Temporary Stabilizations, Sudden Stops and Asset Prices”, with Chetan Subramanian, *Review of Development Economics*, 13(2), 333-347, May 2009
13. “Asset Prices and *Twin Crises*”, *Journal of International Money and Finance*, 28 (1), 26-55, February 2009
14. “On the Usefulness of the Constrained Planning Problems in a Model of Money”, with Joydeep Bhattacharya, *Macroeconomic Dynamics*, 12 (4), 503 – 525, September 2008
15. “Who is Afraid of the Friedman Rule? “, with Joydeep Bhattacharya, Joseph Haslag, and Antoine Martin, *Economic Inquiry* , 46 (2), 113-130, April 2008
16. “Optimal Choice of Monetary Policy Instruments in an Economy with Real and Liquidity Shocks”, with Joydeep Bhattacharya, *Journal of Economic Dynamics and Control*, 32 (4), 1273 – 1311, April 2008
17. “Temporary Stabilization with Capital Controls”, with Chetan Subramanian., *Economic Theory*, 34 (3), 545-574, March 2008
18. “Optimal Choice of Monetary Policy Instruments in a Small Open Economy”, with Chetan Subramanian, *Canadian Journal of Economics*, 41 (1), 105 – 137, February 2008
19. “Segmented Asset Markets and Optimal Exchange Rate Regimes”, with Amartya Lahiri and Carlos Végh, *Journal of International Economics*, 72 (1), 1-21, May 2007
20. “Computer Adoption and Returns in Transition”, with Yemisi Kuku and Peter Orazem, *Economics of Transition*, 15(1), 33-56, March 2007
21. “Optimal Fisheries Management”, with Quinn Weninger and Matthew Doyle, *Journal of Environmental Economics and Management*, 52 (2) , 582-599, September 2006

Book Chapters:

22. “Optimal exchange rate regimes: Turning Mundell-Fleming's dictum on its head”, with Amartya Lahiri and Carlos Vegh, *Money, Crises, and Transition: Essays in Honor of Guillermo Calvo* , The MIT Press, Cambridge, MA, 2007
23. “Fisheries Management with Stock Uncertainty and Costly Capital Adjustment”, with Matthew Doyle and Quinn Weninger, *Frontiers in the Economics of the Fishery: Papers in Honor of Professor Gordon Munro*, Blackwell, Oxford, 2006

UNDER REVIEW

24. “Entry under placement uncertainty”, August 2023, with Sunanda Roy and Quinn Weninger (*revised and resubmitted* to Games and Economic Behavior)
25. “Control vs discretion in quota-regulated multi-species fisheries”, April 2023, with Quinn Weninger (*revised and resubmitted* to Journal of Environmental Economics)
26. "State Marginal Tax Rates and State Capital per Worker, 1977-2017,” with Peter Orazem (revision requested by Public Finance Review)

WORKING PAPERS

1. “[Asset Prices, Collateral Constraints, and Balance of Payments Crises](#)”, February 2022
2. “[Trade and welfare under alternative exchange rate regimes](#)”, February 2022
3. “[Cross-country liquidity spillovers and banking sector crises](#)”, October 2023, with Mohammad Hasan
4. “[Sovereign Debt Maturity Structure and Dilution](#)”, October 2023, with Mohammad Hasan
5. “Monetary Policy under Financial Exclusion”, November 2019, with Amartya Lahiri
6. Optimal Monetary Policy under Asset Market Segmentation, June 2017, with Carlos Vegh and Amartya Lahiri,

WORK IN PROGRESS

7. "Investment Composition and International Risk Sharing"
8. "Automation and cross-country spillovers"
9. "Banks and currency risk"
10. "A multi-trip model of fishery discards under harvest uncertainty"
11. "Optimal fisheries management across space and time"

PROFESSIONAL AFFILIATIONS

American Economic Association; European Economic Association, Latin American and Caribbean Economic Association

REFEREEING

Review of Economic Dynamics, Macroeconomic Dynamics, European Economic Review, Journal of Development Economics, Journal of International Economics, Journal of Money, Credit, and Banking, Journal of Economic Dynamics and Control, Math Population Studies, Review of International Economics, Journal of Environmental Economics and Management, Journal of Economics and Business, Australian Economic Review, Berkeley Electronic Press, Journal of Economic Theory, Marine Resource Economics

TEACHING EXPERIENCE

Graduate: International Finance; Quantitative Methods in Macroeconomics.
Undergraduate: Money and Banking; International Finance