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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. “Cap and Trade under Transactions Costs,” with Quinn Weninger, *Economic Theory*, 64 (2017): 357-407
2. “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
3. “Cap-and-trade bycatch management with costly avoidance and stock uncertainty”, with Quinn Weninger, *Marine Resource Economics*, 30, 97-119, January 2015
4. “Investment Composition and International Business Cycles”, with Marcelo Oviedo, *Journal of International Economics* 89(1), 79-95, January 2013
5. “Optimal Monetary Rules under Persistent Shocks”, with Joydeep Bhattacharya, *Journal of Economic Dynamics and Control*, 34(7), 1277-1294, July 2010
6. “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
7. “Optimal Choice of Monetary Policy Instruments under Velocity and Fiscal Shocks” with Chetan Subramanian, *Economic Modeling*, 26 (5), 865-877, September 2009
8. “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
9. “Temporary Stabilizations, Sudden Stops and Asset Prices”, with Chetan Subramanian, *Review of Development Economics*, 13(2), 333-347, May 2009
10. “Asset Prices and Twin Crises”, *Journal of International Money and Finance*, 28 (1), 26-55, February 2009

11. “On the Usefulness of the Constrained Planning Problems in a Model of Money”, with Joydeep Bhattacharya, *Macroeconomic Dynamics*, 12 (4), 503 – 525, September 2008
12. “Who is Afraid of the Friedman Rule?“, with Joydeep Bhattacharya, Joseph Haslag, and Antoine Martin, *Economic Inquiry*, 46 (2), 113-130, April 2008
13. “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
14. “Temporary Stabilization with Capital Controls”, with Chetan Subramanian., *Economic Theory*, 34 (3), 545-574, March 2008
15. “Optimal Choice of Monetary Policy Instruments in a Small Open Economy”, with Chetan Subramanian, *Canadian Journal of Economics*, 41 (1), 105 – 137, February 2008
16. “Segmented Asset Markets and Optimal Exchange Rate Regimes”, with Amartya Lahiri and Carlos Végh, *Journal of International Economics*, 72 (1), 1-21, May 2007
17. “Computer Adoption and Returns in Transition”, with Yemisi Kuku and Peter Orazem, *Economics of Transition*, 15(1), 33-56, March 2007
18. “Optimal Fisheries Management”, with Quinn Weninger and Matthew Doyle, *Journal of Environmental Economics and Management*, 52 (2) , 582-599, September 2006

Book Chapters:

19. “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
20. “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

21. “Entry under placement uncertainty”, February 2021, with Sunanda Roy and Quinn Weninger
22. “Rational eco-based fisheries management”, August 2020, with Quinn Weninger
23. “Control vs discretion in quota-regulated multi-species fisheries”, with Quinn Weninger

WORKING PAPERS

24. “Optimal Monetary Policy under Financial Exclusion”, November 2018, with Amartya Lahiri
25. “Cross-country liquidity spillovers and banking sector crises”, with Mohammad Hasan

WORK IN PROGRESS

26. “Investment Composition and International Risk Sharing”
27. “Automation and cross-country spillovers”
28. “A multi-trip model of fishery discards under harvest uncertainty”
29. “Optimal fisheries management across space and time”

PROFESSIONAL AFFILIATIONS

American Economic Association; European 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