

## RUPAYAN PAL

Dr. Rupayan Pal is a Professor of Economics at Indira Gandhi Institute of Development Reserach, India. He is an applied micro-economist specializing in the area of strategic interactions among economic agents. His theoretical research has dealt with issues including pricing strategies of network goods producers, delegation, R&D, privatization, environmental regulation, union-oligopoly bargaining and inter-jurisdictional tax competition. He has also researched on some of the policy relevant empirical issues, e.g., financial inclusion, unionization, tax efficiency, and electoral competition. International academic journals such as *Mathematical Social Sciences*, *Journal of Public Economic Theory*, *Regional Science & Urban Economics*, *Economics Letters*, *Scottish Journal of Political Economy*, *Journal of Policy Modeling*, *Resource and Energy Economics*, *International Journal of Economic Theory*, *Economic Modelling*, *Journal of Economics*, *Manchester School*, and others have published his research papers.

## RUPAYAN PAL

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### EDUCATION

Ph.D. in Economics, 2006, Indira Gandhi Institute of Development Research (IGIDR), India

M.A. in Economics, 2001, University of Kalyani, India (*Gold Medallist, First Class First in the Faculty of Arts & Commerce*)

B.A., Honours in Economics, 1999, University of Kalyani, India

B.Sc., Honours in Mathematics, 1996, University of Calcutta, India

### EMPLOYMENT

Professor of Economics, IGIDR, January 2016 - Present

Associate Professor of Economics, IGIDR, November 2010 - Jan 2016

Assistant Professor of Economics, IGIDR, March 2009 - November 2010

Visiting Fellow of Economics, IGIDR, May 2008 - March 2009

Lecturer of Economics, Gokhale Institute of Politics and Economics, India, Jan 2005-April 2008

### RESEARCH FIELDS

Applied Theory, Industrial Organization, Environmental Economics, Labour, Public Economics

### PUBLICATIONS

1. "**Tacit Collusion and Market Concentration under Network Effects**" (with M. Scrimitore), *Economics Letters*, Vol. 145 (August), pp. 266-269, 2016. [Elsevier]
2. "**Entry Threats and Inefficiency in Efficient Bargaining**" (with B. Saha) *Scottish Journal of Political Economy*, Vol. 63, No. 3, pp. 258-277, 2016. [Wiley-Blackwell]
3. "**Electoral Outcome and Provision of Public Goods: A Case Study of India**" (With A. K. Kaushik) *Journal of Comparative Asian Development*, Vol. 15, No. 1, pp. 91-121, 2016. [Routledge]
4. "**Can the Information Technology Revolution Explain the Incidence of Co-movement of Skill Premium and Stock Prices?**" (with K. Gangopadhyay and A. Nishimura), *Economic Modelling*, Vol. 53 (February), pp. 107-120, 2016. [Elsevier]

5. **“Competition, Strategic Delegation and Delay in Technology Adoption”** (With A. Mahathi and V. Ramani) *Economics of Innovation and New Technology*, Vol. 25, No. 2, pp. 143-171, 2016. [Routledge]
6. **“Why Tax Effort Falls Short of Tax Capacity in Indian States: A Stochastic Frontier Approach”** (with S. Garg and A. Goyal), *Public Finance Review*, Forthcoming. [Sage]
7. **“Cournot vs. Bertrand under relative performance delegation: Implications of positive and negative network externalities”** *Mathematical Social Sciences*, Vol. 75 (May), pp. 94-101, 2015. [Elsevier]
8. **“Pollution tax, partial privatization and environment”** (with B. Saha) *Resource and Energy Economics*, Vol. 40 (May), pp. 19-35, 2015. [Elsevier]
9. **“Managerial Delegation in Monopoly and Social Welfare”** *International Journal of Economic Theory*, Vol. 10, No. 4, pp. 403-410, 2014. [Wiley-Blackwell]
10. **“Mixed Duopoly and Environment”** (with B. Saha) *Journal of Public Economic Theory*, Vol. 16, No. 1, pp. 96-118, 2014. [Wiley-Blackwell]
11. **“Price and Quantity Competition in Network Goods Duopoly: A Reversal Result”** *Economics Bulletin*, Vol. 34, No. 2, pp. 1019-1027, 2014. [Access Econ]
12. **“Endogenizing Governments’ Objectives in Tax Competition”** (with A. Sharma) *Regional Science and Urban Economics*, Vol. 43, No. 4, pp. 570-578, 2013. [Elsevier]
13. **“Financial Inclusion in India: An Axiomatic Approach”** (with S. R. Chakravarty) *Journal of Policy Modeling*, Vol. 35, No. 5, pp. 813-837, 2013. [Elsevier]
14. **“Network Externalities and Strategic Managerial Delegation in Cournot Duopoly: Is There a Prisoners’ Dilemma?”** (with T. Bhattacharjee) *Review of Network Economics*, Vol. 12, No. 4, pp. 343-353, 2013. [De Gruyter]
15. **“Delegation and Emission Tax in a Differentiated Oligopoly”** *Manchester School*, Vol. 80, No. 6, pp. 650-670, 2012. [Wiley-Blackwell]
16. **“Mixed Duopoly, Cross-ownership and Partial Privatization”** (with R. Jain) *Journal of Economics*, Vol. 107, No. 1, pp. 45-70, 2012. [Springer]
17. **“The Relative Impacts of Banking, Infrastructure and Labour on Industrial Growth: Evidence from Indian States”** *Macroeconomics and Finance in Emerging Market Economies*, Vol. 4, No. 1, pp. 101-124, 2011.[Routledge]

18. **“Environmental Standards as Strategic Outcomes: A Simple Model”** (with R. N. Bhattacharya) *Resource and Energy Economics*, Vol. 32, No. 3, pp. 408-420, 2010. [Elsevier]
19. **“Impact of Communist Parties on the Individual Decision to Join a Trade Union: Evidence from India”** *Developing Economies*, Vol. 48, No. 4, pp. 496 - 528, 2010. [Wiley-Blackwell] – Reprinted in Shujiro Urata (Ed.) “Aspects of the Indian Economy - A collection of 10 best articles on India published in *Developing Economies* during 2003-2012”
20. **“Cooperative Managerial Delegation, R&D, and Collusion”** *Bulletin of Economic Research*, Vol. 62, No. 2, pp. 155-169, 2010. [Blackwell]
21. **“Technology Adoption in a Differentiated Duopoly: Cournot versus Bertrand”** *Research in Economics*, Vol. 64, No. 2, pp. 128-136, 2010. [Elsevier]
22. **“The Impact of Group Incentives on Performance of Small Firms: Hausman-Taylor Estimates”** (with K. Dixit) *Managerial and Decision Economics*, Vol. 31, No. 6, pp. 403-414, 2010. [Wiley-Blackwell]
23. **“Union-Oligopoly Bargaining and Entry Deterrence: A Reassessment of Limit Pricing”** (with B. Saha) *Journal of Economics*, Vol. 95, No. 2, pp. 121-147, 2008. [Springer]
24. **“Wage Commitment, Signalling and Entry Deterrence or Accommodation”** (with B. Saha) *LABOUR: Review of Labour Economics and Industrial Relations*, Vol. 20, No. 4, pp. 625 - 650, 2006. [Blackwell]
25. **“Union-Firm Bargaining Under Alternative Pay Schemes: Does Performance Related Pay Fare Better?”** *Indian Journal of Labour Economics*, Vol. 49, No. 1, pp. 103 - 112, 2006.

#### ARTICLES IN “ECONOMIC & POLITICAL WEEKLY”

26. **“How Representative Has the Lok Sabha Been?”** (with A. K. Kaushik) *Economic and Political Weekly*, Vol. 47, No. 19, pp. 74-78, 2012.
27. **“A Scrutiny of the MP-LADS in India: Who Is It For?”** (with A. Das) *Economic and Political Weekly*, Vol. 45, No. 2, pp. 63-68, 2010.

#### CHAPTERS IN BOOKS

28. **“Dynamics of Firm’s Competitive Behavior in Indian Manufacturing Industries: 1971-2010”** Chapter 7, pp. 95-108, in S. M. Dev (Ed.) *India Development Report 2015*. [Oxford University Press, India]

29. “**Labour Markets: Balancing Freedom and Protection**” (with B. Saha) Chapter 30, pp. 822-845, in A. Goyal (Ed.) *The Oxford Handbook of the Indian Economy in the 21st Century: Understanding the Inherent Dynamism*, 2014. [Oxford University Press, India]
30. “Outreach of Banking Services across Indian States: 1981-2007 Converging or Diverging?” (with R. R. Vaidya) Chapter 12, pp. 116-129, in D. M. Nachane (Ed.) *India Development Report 2011*. [Oxford University Press, India]
31. “**Re-Examination of Equilibrium Incentives in Duopoly**,” in T. Mathew and P. Manjerkar (Ed.), *PATHH: A Research Base for Entrepreneurial Excellence*, St. Francis Press, Mumbai, 2006

#### Ph.D THESIS

32. “*Essays on Labour Contracts and Asymmetric Information*”, 2006, Indira Gandhi Institute of Development Research Library, Mumbai, India (Advisor: Professor Bibhas Saha)

#### BOOK REVIEWS

- *Globalisation and Local Development in India: Examining the Spatial Dimension*, edited by F. Landy and B. Chaudhuri, Monohar Publishers, New Delhi, 2004. in *Indian Journal of Development Economics: Artha Vijnana*, Vol. 47, No 3-4, pp. 376-78, 2005.

#### WORK IN PROGRESS

- Will A Matchmaker Invite Her Potential Rival In? (with V. Ramani)
- Honor and Stigma in Mechanisms for Environmental Protection (with P. Banerjee and J. F. Shogren)
- Going Green to Be Seen: The Case of a Voluntary Mechanism for Biodiversity Protection on Farmland (with P. Banerjee and A. Wossink)
- Estimating Workers’ Bargaining Power and Firms’ Markup in India: Implications of Reforms and Labour Regulations (with U. Rathore)
- Financial Inclusion: Income Related Inequality and Role of Banks (with R. Pal)
- Probabilistic Patents, Alternative Damage Rules and Optimal Trade Policy (with A. Dey and T. Kabiraj)
- Strategic Trade Policy for Network Goods Oligopolies (with A. Ghosh)

- Welfare Ranking of Alternative Export Tariffs Revisited (with A. Ghosh)
- Optimal Trade Policy under Imperfect Labour Market: Roles of Union-Firm Bargaining Structure and FDI (with S. Ghosh)
- Competition for Foreign Capital: Asymmetric Revenue Orientation and Endogenous Public Investment (with A. Sharma)
- Winners Sacrifice: Heterogeneous Preference for Public Goods and Competition for Mobile Capital (with A. Sharma)
- Endogenously Determined Mode of Competition in a Mixed Duopoly and Optimal Privatization (with A. Pal, S. P. Mari, M. Mitra and )
- Network Externalities and Process R&D: A Cournot-Bertrand Comparison (with M. Naskar)
- How Robust is Boone Indicator to Measure Intensity of Competition? Two Counter Examples (with T. Mohapatra)
- Environmental Quality Choice under Asymmetric Information: Green Consumers, Green Technology and Regulation (with P. Banerjee)
- A Smooth Measure of Competitiveness using Post-Election Vote Shares (with S. R. Chakravarty, M. Mitra and S. Mutuswamy)

## **RESEARCH SUPERVISION**

### **Ph.D:**

- [ ] Jugnu Ansari, “Monetary Policy Transmission and Interest Rate Pass-Through”; Awarded, 2011, IGIDR (Committee)
- [ ] Sandhya Garg, “An Analysis of Taxable Capacity and Tax Effort of the States”; Ongoing - Near Completion, IGIDR (Co-supervisor)

### **M.Phil:**

- [ ] Arun Kumar Kaushik, “An Inquiry into Nature of Political Competition and its Relevance to Developmental Expenditure: Evidence from Indian States”; Awarded, 2011, IGIDR (Supervisor)
- [ ] Ajay Sharma, “Essays on Interregional Competition for Foreign Owned Mobile Capital”; Awarded, 2011, IGIDR (Supervisor)

[ ] Anomita Ghosh, “Optimal Trade Policy Under Network Goods Oligopoly”; Awarded, 2016, IGIDR (Supervisor)

[ ] Udayan Rathore, “An Empirical Analysis of Union Bargaining Power and Markup in Indian Manufacturing Industries: Role of Industrial Reform, Trade Liberalization and Labour Regulations”; Awarded, 2016, IGIDR (Supervisor)

#### **M.Sc/MA/EMLE:**

20 students (11 at IGIDR and 09 at GIPE) have successfully written their Masters Dissertations under my supervision.

#### **IGIDR:**

- [ ] Mili Naskar (2015), “R&D Investment in the presence of Network Externalities”
- [ ] Shreya Aggarwal (2014), “Three Short Articles on Industrial Organization”
- [ ] Apurva Dey (2014), “Socially Optimal Damage Rule with Probabilistic Patents in an International Duopoly with Import Tariff”
- [ ] Sudipta Ghosh (2014), “Labour Union Structure, Wage Bargaining and Trade Policy”
- [ ] Sharada P. Mari (2014), “Endogenous Determination of the Optimal Level of Privatization in a Mixed Duopoly”
- [ ] Tapas Mohapatra (2014), “Robustness of Relative Profit Difference (RPD) as a Measure of Competition with Firms Facing Capacity Constraints”
- [ ] Trishita Bhattacharjee (2013), “Implications of Lobbying on Strategic Trade Regulations in International Duopoly”
- [ ] Parul Saboo (2013), “Porter Hypothesis under Cournot Competition with Cost-Reducing R&D”
- [ ] Christelle Arnaud (2012), “Collective Action - The Law and Economics of the Right to Strike: The Impact of Legislative Change on Employees Wages”
- [ ] Smit Gade (2012), “Fixed penalty in vertical hierarchical corruption”
- [ ] Manas Sarkar (2010), “Efficiency of Emission Standard and Tax: Utilization of R&D”

#### **GIPE:**

- [ ] Dwaipayana Dasgupta (2008), “Piracy Pertaining to the Music Industry in India”

- Nikhil Gupta (2008), “Advertising and Firm Performance: An Analysis of Manufacturing Industries in India”
- Aditya Uday Sing (2008), “Spatial Competition: Exclusive and Nonexclusive Dealership”
- Neetha Jayanth (2007), “Impact of the Swa-Shakti Project on Women’s Empowerment”
- Sumedh Dalwai (2006), “Impact of Microfinance on Women’s Empowerment: Evidence from MDM-SHG”
- Aparajita Das (2006), “Utilization of the Member of Parliament Local Area Development Scheme’s Fund”
- Kshitija Dixit (2006), “Incentive Payments and Firm’s Performance: Evidence from Small-Scale Units”
- Abodh Kumar (2006), “An Analysis of Male Female Wage Gap in India”
- Deepak Singhania (2006), “The Impact of Targeted Programs on Earnings: Evidence from Survey Data”

## TEACHING

- At Indira Gandhi Institute of Development Research (IGIDR), India
  - [ ] PhD and Masters in Economics Students
    - 6101 Special Topics in Microeconomic Theory (Optional)
    - 5101 Microeconomics I
    - 5504 Public Economics (2009, 2010)
  - [ ] Reserve Bank of India Officers Training Program: A Module on Microeconomics (2011, 2012)
  - [ ] Faculty Refresher Program on Advances in Economics: Topics in Oligopoly Theory (2011)
- At Gokhale Institute of Politics and Economics (GIPE), Pune, India (2005-2008)
  - [ ] Masters in Economics Students
    - B04 Industry: Organization, Structure, and Problems (Optional)
    - B07 Labour Economics (Optional)
    - A01 Microeconomics I
    - A02 Microeconomics II
    - A07 Public Economics



- At Xavier Labour Relations Institute (XLRI), Jamshedpur, India (July, 2006)

[ ] MBA and PM&IR Students

Economics of Human Resources

## **EDITORIAL SERVICE**

Advisory Editor (Past) of the *SpringerPlus*, 2014 - 2016

Joint Managing Editor (Past) of the *Journal of Quantitative Economics*, the journal of the Indian Econometric Society, 2010 - 2013

## **REFEREE SERVICE**

*Artha Vijnana, Australian Journal of Agricultural and Resource Economics, Bulletin of Economic Research, Economic and Political Weekly, Economics and Human Biology, Economics Bulletin, Economics and Business Letters, Economic Modelling, Economic Systems, Environmental and Resource Economics, International Review of Economics and Finance, International Tax and Public Finance, Japan and the World Economy, Journal of Applied Economics, Journal of Comparative Economics, Journal of Economics, Journal of Economics and Management Strategy, Journal of Industry, Competition and Trade, Journal of Public Economic Theory, Journal of Quantitative Economics, Journal of Small Business Economics, Macroeconomics and Finance in Emerging Market Economies, Manchester School, Portuguese Economic Journal, Resource and Energy Economics, Scandinavian Journal of Economics, World Development, etc.*

## **SELECT HONOURS, FELLOWSHIPS AND AWARDS**

- Invited Attendee, The First Lindau Meeting of the Winners of the Bank of Sweden Prize in Economics in Memory of Alfred Nobel, Germany, 2004.
- Graduate Research Fellowship (2001-2004) and The Award for the Topper (2002), IGIDR.
- Muzaffar Ahmed Commemoration Gold Medal (2001), Satish and Tulshi Manna Memorial Endowment Bronze Medal (2001) and Merit Scholarships (1997-2001), University of Kalyani, India.

## **PERSONAL INFORMATION**

Born on January 16, 1976 at Santipur, Nadia, West Bengal, India; Male; Married, one son;  
Indian

## **CORRESPONDING ADDRESS**

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Goregaon (East), Mumbai - 400065  
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## **PERMANENT ADDRESS**

S/O Manmathanath Pal  
“Bimalalay”  
91 Purbachal 2nd Lane, Rahara  
24 Parganas (North), Kolkata - 700118  
West Bengal  
India.

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