



Dr Mainak Mazumdar

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Kolkata -700061. West Bengal, India

Residential Address : Type 4-24, Sindhu Building NITIE Campus , 400087. Mumbai

Research Interest : Applied Econometrics, Industrial Organization, Efficiency
Measurement, Growth and Inequality , Urbanization,
Intellectual Property Right, Network Economics.

Academic Positions and Affiliations:

- **Assistant Professor (Economics)** NITIE, July 2016 onwards
- **Assistant Professor (Economics)** IIT Jodhpur, Jodhpur since
June 2012 -July 2016.
- **Post Doctoral Fellow**, Center de Sciences Humaines (CSH)
New Delhi, April 2009 to June 2012.

Academic Qualifications:

- **Ph.D. (Economics)** [2004-2010]
Institute for Social and Economic Change (ISEC), Bangalore India.
“Performance of Pharmaceutical Companies of India: A Critical Analysis of
Industrial Structure, Firm Specific Resources and Emerging Strategies”, (Thesis
Advisor Prof. Meenakshi Rajeev).
- **Post Graduation, M.Sc. (Economics)** [2001-2003] 1st Class [65%]
The University of Calcutta , Kolkata, West Bengal, India
- **Under Graduation, B.Sc. (Economics with Honors)**[1999-2001] 2nd Class
[50 percent] Ramakrishna Mission Residential College (Narendrapur)
Kolkata, India

Courses Taught

Managerial Economics, NITIE (2016, 2017)
Principles of Economics, IIT Jodhpur (2012, 2013, 2014)

Game Theory, IIT Jodhpur (2012, 2013, 2014)
Network Economics, IIT Jodhpur (2013, 2014, 2015)
Advanced Game Theory and Network Economics (2013, 2014)
Econometrics (2014)

Publications

Pharmaceutical Industry

- "TRIPS Agreement and Emerging In-House R&D Activity of the Indian Pharmaceutical Companies: A Panel Data Analysis of the Firm Level Data" Co-authored with Meenakshi Rajeev in *PES Business Review* (2008) Vol 3. Issue 1.
- "Comparing the Efficiency and Productivity of the Indian Pharmaceutical Industry: A Malmquist-Meta-Frontier Approach" (Co-authored with Meenakshi Rajeev) in *International Journal of Business and Economics* (2009), vol.8, no.2. <http://www.ijbe.org/table%20of%20content/Vol%208-2.htm>
- "Comparing the Efficiency of Indian Pharmaceutical Firms" (Co-authored with Meenakshi Rajeev) *Indian Economic Journal* (2010) Vol 57 No 2
- "Sources of Heterogeneity in the Efficiency of Indian Pharmaceutical Firms" (Co-authored with Meenakshi Rajeev and Subhash C Ray) *Indian Economic Review*, Vol. 47(2), 2012.

Intellectual Property Right

- 'Product Patent, the Problem of Availability of the Patented Drugs and Parallel Trade: A Theoretical Approach' *Journal of World Intellectual Property Right* (2010) Vol 13, Issue 4 (Blackwell Publication).
- 'On price discrimination, parallel trade and the availability of patented drugs in developing countries' Co-authored with Dyuti Banerjee *International Review of Law and Economics*, Vol. 32, pp 188-195, 2012, Elsevier

Network Economics

- 'Strategic Network Formation Involving Social Relations: Enmity and Friendship' (coauthored with Bibhas Adhikari and Debabrata Pal), *COMSNET (2015) IEEE workshop proceeding*.
- 'A Game theoretic approach for Network Formation with positive and negative sign' Accepted for Publication in Edited Book on 'Issues *in contemporary Development Economics*' by Springer.

Urbanization

- **'The income ranking of the Indian states and its pattern of urbanization' (2016)** 91-118. co-authored with Basudeb Chaudhuri, Boishampayan Chatterjee and Safeyat Karim in Edited volume 'Subaltern Urbanization in India: An introduction to the Dynamics of Small Town'. Edited by Marie Helene Zerah and Eric Dennis by Springer.

Book Published

'The Efficiency and Productivity of Pharmaceutical Industry in the Post Reform Regime: A critical analysis of the firm specific resources and strategies' (2012) by Mainak Mazumdar -Published by Springer International

Work in Progress

- 'Malmquist Product Index with local and Global Frontier: An Alternative Decomposition and Application in Indian Pharmaceutical Industry' Under Revision in *Journal of Asia Pacific Economy* (Routledge Publication)
- Growth, Regional Disparity and Convergence Club in India: A Sectoral Level Analysis and Decomposition in *Review of Income and Inequality*. *The first round of revision has been submitted*
- Decomposing the Productivity Growth of Indian Manufacturing Firms: Variable Returns to Scale Approach. First Round of Revision has been submitted in *Bulletin of Economic Research*.

Projects

- Growth and Regional Disparity in India: A Disaggregated Sectoral Analysis (*Principal Investigator*) Awarded by CSH New Delhi 2013-2015.
- Investigating the Income Convergence and the Structural Transformation of Indian States (*Co-investigator*), awarded by European Union (EU) under 'Enhancing Knowledge for Renewed Policies against Poverty, NOPOOR,' 2012.
- Urbanization in India (*Co-investigator*), awarded by ANR France 2011-2015.

Supervision of Thesis

Master Degree thesis

Completed supervising the thesis of Dr. Mathiew Teachout from Ecole Polytechnique France for his Master degree dissertation. Thesis was awarded the best Dissertation in Ecole Polytechnique.

Completed supervising Miss. Alicia Machrewal for Master Degree Dissertation from Paris School of Economics

PhD Thesis

Currently, Supervising the PhD Thesis of Mr. Pradumn Pandey : Title of the Thesis “Information Diffusion and Network Modeling”

Selected Seminars and Conferences

- 2007 'Product Patent and its impact on availability of drugs: A theoretical approach' presented in **2nd Max Plank International Conference on Innovation and Entrepreneurship** held in Bangalore in 2007 October.
- 2008 'Assessing the Impact of Industrial Structure and Firm specific Strategies on the Profitability of Firms: A Study of Indian Pharmaceutical Sector.' Paper Presented at **COSMAR 2008 held on 20 and 21st November, 2008 at the Indian Institute of Science, Bangalore.**
- 2008 'Parallel Trade and its Impact on the Availability of Drugs: Theoretical Approach' Paper Presented in the **Growth and Development Conference** on 17th and 18th of December 2008 at the Indian Statistical Institute (ISI) New-Delhi.
- 2009 'Output and Input efficiency of manufacturing firms in India: A case of the Indian Pharmaceutical Sector' Paper presented in **UGC-SAP(DSA) Conference organized by Centre for Economic Studies and Planning, Jawaharlal Nehru University** 5th and 9th of January 2009.
- 2010 'Product patent, the Emerging Strategies and the Productivity of Indian Pharmaceutical firms: A Malmquist-MetaFrontier Approach" Paper Presented in the **5th Development Convention Organized by ISEC, Bangalore** January 19-21, 2010.
- 2010 'Globalization and Indian Industries:A Case of Pharma sector' paper presented in the Symposium '**The Challenges of Globalisation: Australian and Indian Perspectives**' on 27 and 28th April 2010 New Delhi organized by the University of Melbourne, in partnership with the University of Delhi
- 2010 'The Sources of Heterogeneity in the Efficiency of Indian Pharmaceutical Firms" paper presented in the **6th North American Productivity Workshop** June 2-5 2010 organized in the RICE university Houston USA.

- 2012 'Growth, Regional Disparity and Convergence Club in India: A Sectoral Level Analysis and Decomposition' Paper presented in **International Conference of Income and Wealth** organized by **IARIW** Boston August 12-19 2012
- 2013 'Club Convergence in India: A Sectoral Level Analysis and Decomposition' **Growth and Development Conference Indian Statistical Institute**, New Delhi 15-16th December 2013.
- 2014 'Sectoral Decomposition of Indian Growth A Convergence Story' Presented in **Indian econometric Conference** Mumbai 22-26 December 2014.
- 2015 'Network Involving Friendship an Enmity' Presented in **IEEE conference in Social network**, Bangalore 6th-10th January, 2015 .
- 2015 'Club Convergence and Structural Dynamics' Presented in **DIAL Development Conference Organized by University of Dauphine** Paris 2nd and 3rd July, 2015.
- 2015 'Games and Network: A Strategic Consideration with Friendship and Enmity' Presented in the **Contemporary Development Economics Conference** Organized by the University of Jadavpur 21-24 December, 2015.

Invited Talk

- 2011 '**On Metafrontier and Productivity Analysis: A case of Pharmaceutical Industry**' on 4th July 2011 in the Department of Economics, The University of Calcutta
- 2013 '**On Intellectual Property Right and Patenting in India**' as Keynote Speaker on 9th February 2013 in Govt. College of Engineering and Technology, Bikaner (Raj.).
- 2014 '**On New Patent regime in India and its implication for India**' in Science, Technology, Innovation and Intellectual Property Rights: Envisages the Interfaces 10th Jan 2014, Central Arid zone Research Institute (ICAR) and Center for IP Studies, National Law University Jodhpur
- 2015 '**On New Dimension of Network Theory**' in St Joseph College on 17th January 2015

2015 **'Strategic Network Formation with Friendship and Enemies'** in ISEC Bangalore on 19th January 2015 .

2015 **'New Patent Regime and the Pharmaceutical Industry'** Adis Workshop organized by Springer in GOA 30th April to 2nd May 2015 .

2015 **'On Club Convergence Analysis and Sectoral Growth in India'** in University of Caen Normandy, France June 22-25 2015.

Seminar and Workshop Organized

2013 Organized the International Seminar/workshop on **Socio-Economic Network** IIT Jodhpur from 25th to 27th of October 2013, Jodhpur India.

Scholarship and Awards

- Fellowship from Reserve Bank of India, From August 2004 to August 2009 to complete PhD research.
- Awarded the first prize (Dr. Nanajuppya) for securing the highest mark in the pre-PhD course work in ISEC.

Statistical and Econometric Packages

Familiar with the use of econometric packages like STATA, EVIEWS, SPSS, and R

Academic Collaboration

- i. Research collaboration “Financial Reforms, Inflation Targeting and Growth”, with Vêlayoudom Marimoutou, Professor, Greqam Research Unit, France Aix-Marseille Université, Marseille, France.
- ii. Research collaboration “On Shapley Value and Inequality: Theoretical issues” with Frederic Chantreuil, Professor, Centre de Recherche en Économie et Management (CREM), University of Caen, France
- iii. Research collaboration “On signed Graph and network” with Bibhas Adhikari, Assistant Professor, IIT Kharagpur.