

BIO-SKETCH: DR. PULAK MISHRA

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Professor (Economics), Department of Humanities and Social Sciences
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Education

- Ph.D. in Economics, Vidyasagar University (West Bengal), 2006
- M.Phil. in Applied Economics, Jawaharlal Nehru University, New Delhi (Through Centre for Development Studies, Thiruvananthapuram), 1997
- M.Sc. in Economics with Rural Development, (Specialization: Statistics and Econometrics), Vidyasagar University (West Bengal), 1993
- B.Sc. (Honours) in Economics, Vidyasagar University (West Bengal), 1991

Areas of Teaching Interest

Econometrics, Industrial Economics, Public Economics and Policy

Areas of Research Interest

Industrial Economics, Public Economics and Policy, Economics of Rural Development

Professional Experience

1. Professor, Department of Humanities and Social Sciences, Indian Institute of Technology Kharagpur - Since April 06, 2018
2. Associate Professor, Department of Humanities and Social Sciences, Indian Institute of Technology Kharagpur - October 17, 2011 to April 05, 2018
3. Assistant Professor, Department of Humanities and Social Sciences, Indian Institute of Technology Kharagpur - June 08, 2007 to October 17, 2011
4. Lecturer, Dr. Meghnad Saha Institute of Technology, Haldia (Under the West Bengal General Service, Government of West Bengal) - November 26, 1999 to June 07, 2007
5. Worked in different projects at Indian Institute of Management Ahmedabad during August 21, 1996 to November 12, 1999

Sponsored Projects/Consultancy Studies

Selected Research Projects - Completed

1. “Impact of Watershed Development on Livelihoods and Households Resilience to Droughts and Other Climatic Shocks: Experience of Odisha and West Bengal”, Sponsoring Agency - National Bank for Agriculture and Rural Development, Mumbai (Principal Investigator)

2. "Pro-social and Pro-environmental Preferences of School Children in India", Sponsoring Agency - University of Osnabruck (Co-Principal Investigator)
3. "One Decade of Mahatma Gandhi NREGA - Participatory Assessment and Way Forward in the State of West Bengal", Sponsoring Agency - National Institute of Rural Development and Panchayati Raj (NIRDPR), Government of India (Co-Principal Investigator)
4. "Adaptation to Climate Change and Sustainable Development: A Study of Convergence Initiatives Under MGNREGA in West Bengal", Sponsoring Agency - National Institute of Rural Development and Panchayati Raj (NIRDPR), Government of India (Co-Principal Investigator)
5. "Coping with Changing Climate: The Role of Sustainable Use and Management of Traditional Water Harvesting System in Odisha and West Bengal", Sponsoring Agency - Indian Council of Social Science Research (ICSSR), New Delhi (Co-Principal Investigator)
6. "Ganga River Basin Management Plan: Socio-Economic and Cultural Aspects", Sponsoring Agency - Ministry of Environment and Forests, Government of India (Co-Principal Investigator)
7. "Impact Assessment of Mahatma Gandhi NREGS in Orissa: A Study of Mayurbhanj and Ganjam Districts", Sponsoring Agency - Indian Council of Social Science Research (ICSSR), New Delhi (Co-Principal Investigator)
8. "Intellectual Property Law and Competition Policy and Law in India", Sponsoring Agency - Competition Commission of India and The World Bank (Co-Principal Investigator)
9. "Impact Assessment of NREGA in 2-Districts of Orissa", Sponsoring Agency - UNDP, New Delhi (for the Ministry of Rural Development, Government of India) (Co-Principal Investigator)
10. "Monitoring Convergence between NREGS and Ongoing Schemes of the Other Ministries in Orissa", Sponsoring Agency - UNDP, New Delhi (for the Ministry of Rural Development, Government of India) (Co-Principal Investigator)

Selected Research Projects - Ongoing

1. "Promoting Socially Inclusive and Sustainable Agricultural Intensification in West Bengal and Bangladesh", Sponsoring Agency - Australian Centre for International Agricultural Research (ACIAR), Australia (Principal Investigator)
2. "Identifying Best Available Technologies for Decentralized Waste-Water Treatment and Resource Recovery for India", Sponsoring Agency - Department of Science and Technology, Ministry of Science and Technology (International Multilateral and Regional Cooperation Division), Government of India (Co-Principal Investigator)
3. "Socializing the Micro-Solar Dome: Empowering Marginalized Rural ST and Tribal Communities through Solar Illumination and Solar Electricity", Sponsoring Agency - Department of Science and Technology, Government of India (Co-Principal Investigator)
4. "Socializing the Micro-Solar Dome: Empowering Marginalized Rural SC Communities through Solar Illumination and Solar Electricity", Sponsoring Agency - Department of Science and Technology, Government of India (Co-Principal Investigator)

5. Dried Fish Matters: Mapping the Social Economy of Dry Fish in South and South East Asia for Enhanced Well-being and Nutrition, Sponsoring Agency - Social Science and Humanities Research Council (SSHRC) (Co-Principal Investigator)
6. “Rural Drinking Water Treatment and Health”, Sponsoring Agency - The University of Edinburgh (Co-Principal Investigator)

Selected Consultancy Studies - Completed

1. “Impact Evaluation Study on Irrigation and Roads and Bridges Projects Supported under RIDF in West Bengal”, Sponsoring Agency - National Bank for Agriculture and Rural Development (NABARD), Mumbai (Consultant In-Charge)
2. “Impact Evaluation Study on Irrigation and Roads and Bridges Projects Supported under RIDF in Odisha”, Sponsoring Agency - National Bank for Agriculture and Rural Development (NABARD), Mumbai (Consultant In-Charge)
3. “Evaluation of Socio-Economic-Environmental Impact of Forestry Projects under RIDF in West Bengal”, Sponsoring Agency - National Bank for Agriculture and Rural Development (NABARD), Kolkata (Co-Consultant)

Selected Consultancy Studies - Ongoing:

1. “Impact Evaluation Study on Social Sector Projects (Rural Drinking Water Supply) Assisted under Rural Infrastructure Development Fund (RIDF) in Odisha”, Sponsoring Agency - National Bank for Agriculture and Rural Development (NABARD), Mumbai (Consultant In-Charge)
2. “Impact Evaluation Study on Social Sector Projects (Anganwadis) Assisted under Rural Infrastructure Development Fund (RIDF) in West Bengal”, Sponsoring Agency - National Bank for Agriculture and Rural Development (NABARD), Mumbai (Consultant In-Charge)
3. “Evaluation of District Skill Development Planning (DSDP) Awards under SANKALP Programme of MSDE”, Sponsoring Agency - Ministry of Skill Development and Entrepreneurship, Government of India (Co-Consultant)
4. “Carrying Capacity (CC) Study in OPA Bhilai-Durg of Chhattisgarh State” Sponsoring Agency - Chhattisgarh Environment Conservation Board (Co-Consultant)

Publications

Monograph

“Payments for Environmental Services (PES): A Review of Experiences across Countries”, RULNR-CESS Monograph 2 (2010) (Coauthored with Bhagirath Behera and Narayan Chandra Nayak)

Selected Publications in International Journals

1. “Value Chain Development for Linking Land-constrained Farmers to Markets: Experience from Two Selected Villages of West Bengal, India”, *Land Use Policy*, 104 (2021) (Coauthored with Niladri Sekhar Bagchi and Bhagirath Behera)

2. "How Does Cleaner Energy Transition Influence Standard of Living and Natural Resources Conservation? A Study of Households' Perceptions in Rural Odisha, India", *Energy*, 215 (2021) (Coauthored with Swadhina Shikha Swain)
3. "Household Behaviour and Nutrition-sensitive Agricultural Practices: Experiences of Smallholder Farmers in Northern West Bengal, India", *World Development Perspectives*, 21 (2021) (Coauthored with Nayana Baral, Bidur Paria and Bhagirath Behera)
4. "Irrigation-based Agricultural Intensification and Future Groundwater Potentiality: Experience of Indian States", *SN Applied Sciences*, 3:449 (2021) (Coauthored with Bidur Paria, Amartya Pani and Bhagirath Behera)
5. "Determinants of Adoption of Cleaner Cooking Energy: Experience of the Pradhan Mantri Ujjwala Yojana in Rural Odisha, India", *Journal of Cleaner Production*, 248 (2020) (Coauthored with Swadhina Shikha Swain)
6. "Hapa Irrigation for Promoting Sustainable Agricultural Intensification: Experience from Bankura District of India", *GeoJournal*, 86, pp. 109–132 (2021) (Coauthored with Amartya Pani)
7. "Impact of Vertical Integration on Market Power in Indian Manufacturing Sector During the Post-Reform Period", *Journal of Industry, Competition and Trade*, 19(4), pp. 561-581 (2019) (Coauthored with Rakesh Basant)
8. "How have Mergers and Acquisitions Affected Financial Performance of Firms in Indian Manufacturing Sector?", *Eurasian Journal of Business and Economics*, 12(23) pp. 79-96 (2019)
9. "Impacts of Urbanization on Land Use/Cover Changes and its Probable Implications on Local Climate and Groundwater Level", *Journal of Urban Management*, 7(2), pp. 70-84 (2018) (Coauthored with Suman Patra, Satiprasad Sahoo and Subhas Chandra Mahapatra)
10. "Characteristics for the Effectiveness of Women's Self-Help Groups in Bihar" *Voluntas*, Volume 29(6), pp. 1283–1299 (2018) (Coauthored with Ritesh Kumar and D. Suar)
11. "Democratic Local Institutions for Sustainable Management and Use of Minor Irrigation Systems: Experience of Pani Panchayats in Odisha, India" *Water Economics and Policy (Special Issue on the 'Institutional Economics of Water')*, 4(3), pp. 1-27 (2018) (Coauthored with Bhagirath Behera)
12. "Delineation of Groundwater Potential Zone for Sustainable Development: A Case Study from Ganga Alluvial Plain Covering Hooghly District of India using Remote Sensing, Geographic Information System and Analytic Hierarchy Process", *Journal of Cleaner Production*, 172, pp. 2485-2502 (2018) (Coauthored with Suman Patra and S. C. Mahapatra)
13. "Impact of Mergers and Acquisitions on Firms' Export Competitiveness: Experience of Indian Pharmaceutical Industry", *South Asian Economic Journal*, 18, pp. 1-20 (2017) (Coauthor: Neha Jaiswal)
14. "Determinants of Households' Resistance Against Land Acquisition for Mining: Experiences at Talcher Coalfields in India", *Land Use Policy*, 66, pp. 10-17 (2017) (Coauthored with Saswat Kishore Mishra)
15. "Do Adverse Ecological Consequences Cause Resistance Against Land Acquisition? The Experience of Mining Regions in Odisha, India", *The Extractive Industries and Society*, 4, pp. 140-150 (2016) (Coauthored with Saswat Kishore Mishra)

16. "Socio-Economic and Environmental Implications of Solar Electrification: Experience of Rural Odisha", *Renewable and Sustainable Energy Reviews*, 56, pp. 953-964 (2016) (Coauthor: Bhagirath Behera)
17. "Modelling Impacts of Chemical Fertilizer on Agricultural Production: A Case Study on Hooghly District, West Bengal, India", *Modeling Earth Systems and Environment*, 2:180 (2016) (Coauthored with Suman Patra, S. C. Mahapatra and S. K. Mithun)
18. "A Quantitative Analysis of Groundwater Status of Hooghly District, West Bengal, India", *International Journal of Current Research*, 7, pp. 18810-18818 (2015) (Coauthored with Suman Patra, Subhash Chandra Mahapatra and Satiprasad Sahoo)
19. "Determinants of Inter-Industry Variations in Research and Development Efforts in Indian Manufacturing Sector: A Dynamic Panel Data Analysis", *Innovation and Development*, 4(1), pp. 91-109 (2014) (Coauthored with Rakesh Basant)
20. "Structure, Conduct and Performance of Indian Banking Sector", *Review of Economic Perspectives*, 12(4), pp. 235-264 (2013) (Coauthored with Deepti Sahoo)
21. "Determinants of Inter-State Variations in FDI Inflows in India", *Eurasian Journal of Business and Economics*, 6(11), pp. 93-120 (2013) (Coauthored with Suhita Chatterjee and Bani Chatterjee)
22. "R&D Efforts by Indian Pharmaceutical Firms in the New Patent Regime", *South East European Journal of Economics and Business*, 5(1), pp. 83-94 (2010)
23. "Mergers, Acquisitions and Firms' Performance: Experience of Indian Pharmaceutical Industry", *Eurasian Journal of Business and Economics*, 3(5), pp. 111-126 (2010) (Coauthor: Tamal Chandra)
24. "A Development Delivery Institution for the Tribal Communities: Experience of the National Rural Employment Guarantee Scheme in India", *Development Policy Review*, 28(4), pp. 457-479 (2010) (Coauthors: Bhagirath Behera and Narayan Chandra Nayak)

Selected Publications in National Journals

1. "Are Mergers and Acquisitions Necessarily Anti-Competitive? Empirical Evidence of Indian Manufacturing Sector", *Margin*, 12(3), pp. 276-307 (2018)
2. "What Determines Labour Force Participation in MGNREGA? An Investigation in Odisha", *The Indian Journal of Labour Economics*, 61(3), pp. 493-514 (Coauthored with Narayan Chandra Nayak, Bhagirath Behera, Runa Sen Chatterjee) (2018)
3. "Concentration vs Inequality Measures of Market Structure: An Exploration of Indian Manufacturing", *Economic and Political Weekly*, 49(33), pp. 59-65 (2014) (Coauthor: Ujjwal Singh Rao)
4. "Strategies and Policies for Alleviation of Rural Poverty in India: Experience of Mahatma Gandhi National Rural Employment Guarantee Scheme", *Review of Development and Change*, 19(2) (2014) (Coauthor: Saswat Kishore Mishra)
5. "Natural Resource Abundance in the Indian States: Curse or Boon?" *Review of Development and Change*, 17(1), pp. 53-73 (2012) (Coauthored with Bhagirath Behera)

6. "Determinants of Inter-Industry Variations in Mergers and Acquisitions: Empirical Evidence from Indian Manufacturing Sector", *Artha Vijnana*, 53(1), pp. 1-22 (2011).
7. "Market Concentration in Indian Manufacturing Sector: Measurement Issues", *Economic and Political Weekly*, 46 (49), pp. 76-80 (2011) (Coauthors: Divesh Mohit and Parimal)
8. "Payments for Environmental Services: Issues and Implications for India", *Economic and Political Weekly*, 46(20), pp. 64-68 (2011) (Coauthored with Bhagirath Behera and Narayan Chandra Nayak)
9. "Structure, Conduct and Performance in Indian Pharmaceutical Industry: A Simultaneous Equations Investigation", *Review of Development and Change*, 15(1), 69-99 (2010) (Coauthor: Vikas)
10. "Concentration-Markup Relationship in Indian Manufacturing Sector", *Economic and Political Weekly*, 43(39), pp. 75-81 (2008)
11. "Instabilities in Market Concentration: An Empirical Investigation in Indian Manufacturing Sector", *Journal of Indian School of Political Economy*, 19(3), pp. 419-449 (2007) (Coauthor: Bhagirath Behera)
12. "Mergers, Acquisitions, Market Structure and Industry Performance: Experience of Indian Pharmaceutical Industry", *Review of Development and Change*, 11(2), pp. 135-164 (2006)

Selected Papers in Edited Books

1. "Coping With Changing Climate: The Case of Water Conservation Structures in Eastern India", in T. Chakraborty, D. Mukherjee and S. Saha (Eds.) *Contemporary Issues In Sustainable Development*, Routledge India-Taylor & Francis (2020) (Coauthored with Bhagirath Behera and Dil Bahadur Rahut)
2. "Land Acquisition for Mining and Social Inclusion: Case of Talcher Coal Fields" in I. S. Rajan and D. Baral (Eds.) *Development, Environment and Migration: Lessons for Sustainability*, Routledge India-Taylor & Francis (2020) (Coauthored with Saswat Kishore Mishra)
3. "Inter-State Variations in Industrial Investment in India: Role of Markets, Policies and Institutions" in N. Mehta and A. Arya (Eds.), *Role of Public Policy in Development Process: Emerging Socioeconomic Scenario in the Indian Economy*, Academic Foundation (2018) (Coauthor: Saswat Kishore Mishra)
4. "Asset Creation Under MGNREGA and Sustainable Agriculture Growth: Impacts of Convergence Initiatives in Odisha and West Bengal" in M. Bhattarai, P. K. Viswanathan, R. N. Mishra and C. Bantilan (Eds.), *Employment Guarantee Programme and Dynamics of Rural Transformation in India: Challenges and Opportunities*, Springer, (2018) (Coauthor: Saswat Kishore Mishra)
5. "Mining, Land Acquisition and Human Well-Being in Odisha" in P. Mishra and A. Das (Eds.), *Mining: Economic, Environmental and Social Implications* (pp. 93-114), Abhijeet Publications (2013) (Coauthored with Saswat Kishore Mishra)
6. "Growth and Competitiveness of Small Scale Enterprises in India: Role of Markets, Policies and Institutions" in S. K. Ray (Ed.) *Micro Enterprise and Rural Development in India*, Serials Publications (2013) (Coauthors: Bhagirath Behera, Neha Jaiswal)