

Curriculum Vitae

Sacchidananda Mukherjee

PRESENT ADDRESS

Associate Professor
National Institute of Public Finance and Policy (NIPFP)
18/2, Satsang Vihar Marg, Special Institutional Area (Near JNU East Gate)
New Delhi – 110067. INDIA
Telephone: +91 11 26569780; 26569303; 26569784; 26963421
Fax: +91 11 26852548; Mobile: +91 9868421239 / +91 9953978287
Email: sach.s.mse@gmail.com / sacchidananda.mukherjee@nipfp.org.in

Key words: Public Finance, Fiscal Policy, Design and Administration of Taxes, Environmental Economics, Water Resources Management, Statistics and Econometrics.

EDUCATION

October 2002 – May 2008 Ph.D. in Economics, Madras School of Economics, University of Madras, Chennai.

Thesis Topic: *Economics of Agricultural Nonpoint Source Water Pollution: A Case Study of Groundwater Nitrate Pollution in the Lower Bhavani River Basin, Tamilnadu.* (Environmental Economics) (Thesis Submitted on 26 May 2008; Degree Awarded on 01 April 2010)

Supervisor: Prof. Paul. P. Appasamy, Vice Chancellor, Karunya University, Coimbatore.

July 2001 – September 2002 M. Phil. (Economics) Completed Course Work Only
Jawaharlal Nehru University, New Delhi.

August 1998 – May 2000 M.A. (Economics)
Jawaharlal Nehru University, New Delhi.

July 1995 – August 1998 B.Sc. in Economics (Honours), University of Calcutta.

AWARDS, FELLOWSHIPS & GRANTS

1994 - 98: Student Merit Fellowship (National Scholarship), Ministry of Human Resources Development, Government of India, New Delhi.

2002 - 07: Doctoral Fellowship, Madras School of Economics, Chennai, India.

2005: Selected to represent India in *Bangladesh - India Dialogue for Young Leaders – 2005*, jointly organized by Bangladesh Enterprise Institute, Dhaka and Secretary of State for Foreign and Commonwealth Affairs, U.K.

- 2006: International Water Management Institute (IWMI) – Tata Water Policy Research Program’s the best “Young Scientist Award for the Year 2006”
- 2006: Contingency Grant-in-Aid, Indian Council of Social Science Research (ICSSR), New Delhi
- 2006: Consulting Grant, International Water Management Institute (IWMI), Colombo, Sri Lanka.
- 2015: Visiting International Fellow, Tax and Transfer Policy Institute, Crawford School of Public Policy, Australian National University (ANU), Canberra, Australia.
- 2018: Participated in International Visitor Leadership Programme (IVLP) on “Natural Resources Economics – Water Pricing” of Unites States Department of State, Government of United States of America, 10-28 September 2018.

PROFESSIONAL EXPERIENCES

December 2013 – Present: **Associate Professor**, National Institute of Public Finance and Policy (NIPFP), New Delhi (Full Time).

April 2010 – December 2013: **Assistant Professor**, National Institute of Public Finance and Policy (NIPFP), New Delhi (Full Time).

March 2009 – April 2010: **Consultant**, National Institute of Public Finance and Policy (NIPFP), New Delhi (Full Time).

September 2008 – February 2009: **Senior Manager - Water Resources and Policy**, World Wide Fund for Nature (WWF)-India, New Delhi (Full Time).

October 2007 – September 2008: **Senior Scientific Officer**, International Water Management Institute (IWMI), Hyderabad, India (Full Time).

December 2006 – May 2007: **Guest Faculty**, Centre for Environmental Studies, Anna University, Chennai, India (Part Time).

Course Taught: ‘Environmental Economics’ for Master of Engineering in Environmental Management students

February 2004 – June 2005: **Project Research Assistant**, Madras School of Economics, Chennai, India (Part Time).

Project Title: Water Resources, Livelihood Security and Stakeholders Initiatives in the Bhavani River Basin, Tamil Nadu

Sponsored: Comprehensive Assessment of Water Management in Agriculture, International Water Management Institute (IWMI), Colombo, Sri Lanka.

May 2003 – August 2003: **Project Coordinator**, Madras School of Economics, Chennai, India (Part Time).

Project Title: A Comparative Study of the Impact of Emissions from Diesel and Petrol Fuelled Passenger Cars

Sponsored: Madras School of Economics, Chennai and Delphi-TVS Diesel Systems Limited, Chennai.

October 2001 – September 2002: *Project Associate*, National Institute of Public Finance and Policy (NIPFP), New Delhi (Full Time).

Project Titles: a) The Income Tax Compliance Cost of Indian Corporations
b) The Compliance Cost of the Personal Income Tax and its Determinants
c) The Personal Income Tax in India: Compliance Costs and Compliance Behaviour of Taxpayers

Sponsor: Planning Commission, Government of India, New Delhi.

March 2001 – September 2001: *Research Analyst*, TRACK India Private Limited, New Delhi (Full Time).

July 2000 – February 2001: *Management Trainee*, Federation of Indian Chambers of Commerce and Industry (FICCI), New Delhi (Full Time).

PROJECTS (TECHNICAL REPORTS) COMPLETED

2017: *Developing a mechanism for computing the value of Social Services Obligation (SSO) being borne by Indian Railways* (Commissioned by Ministry of Railways, Government of India) Principal Investigator.

2017: *Evaluation of the ArthaKranti Proposal* (Sponsored by Government of Madhya Pradesh and Government of Haryana), Member – Research Team.

2017: *Comprehensive Study of Assam State Finances: Tax and Non-Tax Revenue Mobilisation* (Commissioned by Government of Assam), Principal Investigator.

2016: *Study on Bihar State Finance – Policy options for tax rationalization and mobilization of revenue* (Commissioned by Fifth State Finance Commission, Government of Bihar), Member – Research Team.

2015: *Development of an Analytical Model for Widening of Taxpayers' Base* (Commissioned by Central Board of Direct Taxes, Ministry of Finance, Government of India, New Delhi), Member – Research Team.

2014: *Financing for Infrastructure Investment in G-20 Countries* (Commissioned by Multilateral Relations Division, Department of Economic Affairs, Ministry of Finance, Government of India, New Delhi), Member – Research Team.

2012-14: *Study on Unaccounted Income/Wealth both Inside and Outside the Country* (Commissioned by Central Board of Direct Taxes, Ministry of Finance, Government of India, New Delhi), Member – Research Team.

2011: *Incidence of Taxes and Levies on Telecom Sector in India* (Commissioned by Telecom Regulatory Authority of India, New Delhi), Member – Research Team.

2011: *Revenue Potential of Himachal Pradesh: An Assessment and Suggestions for Reform* (Commissioned by Government of Himachal Pradesh, Shimla), Member – Research Team.

2011: *Study on GST in the Context of Petroleum and Natural Gas* (Commissioned by Petroleum Federation of India, New Delhi), Principal Investigator.

2011: *Tank Ecology and Multiple Uses of Water in Villages of Western Orissa: Technology Choices, Economics, Institutions and Livelihoods* (Commissioned by the IWMI-Tata Water Policy Program, IWMI, India), Member – Research Team.

- 2010:** *Design and Implementation of Goods and Services Tax (GST) in India* (Commissioned by the British High Commission, New Delhi), Member – Research Team.
- 2009:** *Study on Mobilization of State Taxes and State's Potential to Raise Revenues – Jharkhand* (Commissioned by Government of Jharkhand), Member – Research Team.
- 2009:** *Developing “National Citizen Satisfaction Index for India”* (Commissioned by the Quality Council of India, New Delhi), Member – Research Team.
- 2008:** *Economic Valuation of Wetland as a Multiple Use System: A Case Study in West Bengal, India* (Under the IWMI-Tata Water Policy Program, IWMI, India) Principal Investigator.
- 2005:** *Water Resources, Livelihood Security and Stakeholders Initiatives in the Bhavani River Basin, Tamil Nadu* (Commissioned by International Water Management Institute, Colombo, Sri Lanka), Member – Research Team.
- 2000:** *The Income Tax Compliance Cost of Indian Corporations* (Commissioned by Planning Commission, Government of India, New Delhi), Project Assistant.
http://planningcommission.nic.in/reports/sereport/ser/stdy_cprrtcost.pdf
- 2000:** *The Compliance Cost of the Personal Income Tax and its Determinants* (Commissioned by Planning Commission, Government of India, New Delhi), Project Assistant.
http://planningcommission.gov.in/reports/sereport/ser/stdy_prsnltax.pdf
- 2000:** *The Personal Income Tax in India: Compliance Costs and Compliance Behaviour of Taxpayers* (Commissioned by Planning Commission, Government of India, New Delhi), Project Assistant.
http://planningcommission.nic.in/reports/sereport/ser/stdy_pincomtx.pdf

ONGOING RESEARCH PROJECTS

1. ***Innovation in Public Finance***, commissioned by Bill and Melinda Gates Foundation (BMGF), Member - Research Team
2. ***Fiscal Implications of Introduction of Goods and Services Tax***, commissioned by Fifteenth Finance Commission, Member – Research Team.

TEACHING AND RESEARCH INTERESTS/ SPECIALISATION

- Public Finance and Fiscal Policy
- Environmental Economics
- Water Resources Management
- Development Economics
- Statistics and Applied Econometrics

LIST OF PUBLICATIONS

BOOKS (Co-authored)

1. Rao, R. Kavita and S. Mukherjee (2019), “*Evolution of Goods and Services Tax (GST) in India*”, New Delhi: Cambridge University Press (ISBN: 9781108473965).
2. Mukherjee, S. and P. Nellyat (2007), “*Groundwater Pollution and Emerging Environmental Challenges of Industrial Effluent Irrigation in Mettupalayam Taluk, Tamilnadu*”, Comprehensive Assessment of Water Management in Agriculture, IWMI, Colombo, Sri Lanka (ISBN: 9789290906735).

BOOKS (Co-edited)

1. Mukherjee, S. and D. Chakraborty (Eds.) (2015), “*Environmental Challenges and Governance: Diverse perspectives from Asia*”, Routledge, U.K. (ISBN-13: 978-0-415-72190-5).
2. Mukherjee, S. and D. Chakraborty (Eds.) (2012), “*Environmental Scenario in India: Successes and Predicaments*”, Routledge, U.K. (ISBN-13: 9780415666558; ISBN-10: 0415666554).

INTERNATIONAL PEER-REVIEWED JOURNAL PUBLICATIONS

1. Mukherjee, S. and R. Kavita Rao (2019), “Value Added Tax and Informality: Determinants of Registration of Enterprises under State VAT in India”, *Margin—The Journal of Applied Economic Research*, 13(1): 21–48.
2. Mukherjee, S. and D. Chakraborty (2017), “Can Economic Development Influence General Election Outcomes? Evidence from Consumption Expenditure Trends of Indian States”, *Journal of Development Policy and Practice*, Vol. 2, No. 2, 131-150.
3. Rao, R. Kavita and S. Mukherjee (2017), “Corporate Tax Concessions in India: Are They Equitable?”, *Asia-Pacific Tax Bulletin*, 23(4), 9 August 2017.
4. Mukherjee, S., D. Chakraborty and J. Chaisse (2015), “Curtailing Subsidy Wars in Global Trade: Revisiting the Economics of World Trade Organization Law On Subsidies”, *Syracuse Journal of International Law and Commerce*, Vol. 14, No. 1, pp. 1-36.
5. Dash, B.B. and S. Mukherjee (2015), “Political competition and human development: Evidence from the Indian states”, *Journal of Development Studies*, Vol. 51, No. 1, pp. 1-14.
6. Chakraborty, D. and S. Mukherjee (2013), “Fiscal Subsidies and Environmental Sustainability: What does the Cross-Country Empirical Estimates Suggest?”, *Foreign Trade Review*, Vol. 48, No. 3, pp. 383-397.
7. Chakraborty, D. and S. Mukherjee (2013), “Do Foreign Trade and Investment Lead to Higher CO₂ Emissions? Evidence from Cross-Country Empirical Estimates”, *Review of Market Integration*, Vol. 5, No. 3, pp. 329-361 (Published in October 2014).

8. Mukherjee, S. and D. Chakraborty (2013), "Is environmental sustainability influenced by socioeconomic and sociopolitical factors? cross-country empirical evidence", *Sustainable Development*, Vol. 21, No. 6, pp. 353-371.
9. Chakraborty, D. and S. Mukherjee (2013), "How do Trade and Investment flows affect Environmental Sustainability? Evidence from Panel Data", *Environmental Development*, Vol. 6, pp. 34-47.
10. Mukherjee, S. and M. Dinesh Kumar (2011), "Economic Valuation of Multiple Use Wetland Water System: A Case Study from India", *Water Policy*, Vol. 14, No. 1, pp. 80-98.
11. Mukherjee, S., Z. Shah and M. D. Kumar (2010), "Sustaining Urban Water Supplies in India: Increasing Role of Large Reservoirs", *Water Resources Management*, Vol. 24, No. 10, pp. 2035-2055.
12. Chakraborty, D. and S. Mukherjee (2010), "The Relationship between Trade, Investment and Environment: Some Empirical Findings", *Foreign Trade Review*, Vol. 45, No. 2, pp. 03-37.
13. Mukherjee, S. and D. Chakraborty (2009), "Environment, Human Development and Economic Growth: A Contemporary Analysis of Indian States", *International Journal of Global Environmental Issues*, Vol. 9, No. 1&2, pp. 20-49.
14. Mukherjee, S. and V. Kathuria (2006), "Is economic growth sustainable? Environmental Quality of Indian States after 1991", *International Journal of Sustainable Development*, Vol. 9, No. 1, pp. 38-60.

REFEREED JOURNAL PUBLICATIONS

1. Mukherjee, S. (2019), "VAT Efficiency across Indian States: Panel Stochastic Frontier Analysis", *Economic and Political Weekly* (forthcoming).
2. Mukherjee, S. and R. Kavita Rao (2017), "Estimating Unaccounted Income in India: Using Transport as a Universal Input", *Economic and Political Weekly*, Vol. 52, Issue No. 7 (18 February 2017), pp. 107-115.
3. Mukherjee, S. and D. Chakraborty (2016), "Turning Human Waste into Renewable Energy: Opportunities and Policy Options for India", *Turkish Economic Review*, Vol. 3, No. 4, pp. 610-628.
4. Chakraborty, D. and S. Mukherjee (2016), "How trade facilitation measures influence export orientation? Empirical estimates with logistics performance index data", *Journal of Economics Library*, Vol. 3, No. 4, pp. 554-569.
5. Mukherjee, S., D. Chakraborty, S. Sikdar (2016), "Three Decades of Human Development across Indian States: Inclusive Growth or Perpetual Disparity?", *Prajnan - Journal of Social and Management Sciences*, Vol. 45, No. 2, pp. 97- 122.
6. Mukherjee, S. and R. Kavita Rao (2015), "Policy options for including petroleum, natural gas and electricity in the Goods and Services Tax", *Economic and Political Weekly*, Vol. 50, No. 9, pp. 98-107.
7. Mukherjee, S. and D. Chakraborty (2014), "Relationship between Fiscal Subsidies and CO₂ Emissions: Evidence from Cross-Country Empirical Estimates", *Economics Research International*, Vol. 2014 (2014), Article ID 346139.

8. Mukherjee, S. and D. Chakraborty (2011), "Is there any interdependence between Economic Growth and Human Development? Evidence from Indian States", *Indian Journal of Human Development*, Vol. 5, No. 2, pp. 467-494.
9. Mukherjee, S. (2010), "Nutrient-Based Fertiliser Subsidy: Will Farmers Adopt Agricultural Best Management Practices?", *Economic and Political Weekly*, Vol. 45, No. 49, pp. 62-72 (December 04-10, 2010).
10. Mukherjee, S., Z. Shah, M.D. Kumar (2008), "The Role of Large Reservoirs for Sustainable Water Supplies in Large Indian Cities", *Urban India*, Vol. 28, No. 1&2, pp. 1-29.

JOURNAL PUBLICATIONS (OTHERS)

1. Mukherjee, S. (2016), "Water Resources Management in Economic Development", *YOJANA: A Development Monthly*, Vol. 60, July 2016, pp. 7-11.
2. Mukherjee, S. and R. Kavita Rao (2015), "Policy Options for Revenue Neutral GST for Oil and Gas", *The Journal of Petroleum Federation of India*, Vol. 14, No. 2, pp. 14-17 (April-June 2015).
3. Chakraborty, D. and S. Mukherjee (2013), "How Does Trade Affect Environment? An exploratory study", *The Review of Glocal Studies*, Vol. 1, No. 1, pp. 45-51.
4. Mukherjee, S. and D. Chakraborty (2010), "Is there any relationship between Economic Growth and Human Development? Evidence from Indian States", *The India Economy Review*, Vol. 7, No. 1, March 31, 2010, pp. 80-89.

BOOK REVIEWS

1. *Sustainability Science for Social, Economic, and Environmental Development* by Nilanjan Ghosh and Anandajit Goswami, Information Science Reference (An Imprint of IGI Global). 2014. ISBN: 0-978-1-4666-4995-8. *Foreign Trade Review*, 50(1):108-112.

CHAPTERS IN EDITED BOOKS

1. Mukherjee, S. and R. Kavita Rao (2018), "Estimation of Unaccounted Income of India: Using Transport as a Universal Input", in R. Ramakumar (ed.), *Note-Bandi: Demonetisation and India's Elusive Chase for Black Money*, Chapter 6, pp. 167-187, Oxford University Press: New Delhi.
2. Chakraborty, D. and S. Mukherjee (2018), "Environmental Challenges in Asia", in Sara Hsu (ed.), *Routledge Handbook of Sustainable Development in Asia*, Chapter 4, pp. 66-90, Routledge: U.K. & U.S.A. 4 June 2018.
3. Mukherjee, S. and D. Chakraborty (2017), "Demand for infrastructure investment for water services: key features and assessment methods", in Jullien Chaisse (ed.), *Charting the Water Regulatory Future: Issues, Challenges and Directions*, Chapter 13, pp. 257-296, Edward Elgar: U.K. & U.S.A.
4. Mukherjee, S. (2017), "Will India's Proposed GST Work?", in Anjali Agarwal (ed.), *Goods and Services Tax (GST): Impact on the Indian Economy*, Chapter 1, pp. 3-17, New Century Publications, New Delhi.
5. Mukherjee, S. (2019), "Public Finance and Fiscal Policy Issues in India", in Chakraborty, D. and A. Biswas (eds.), *Routledge Handbook on Indian Economy*, Routledge: U.K. & U.S.A. (Forthcoming).

6. Mukherjee, S. and D. Chakraborty (2016), "Are Fiscal Subsidies Harmful for the Environment?", in Shanmugam, K. R. and K. S. Kavikumar (eds.), *Environment and Development: Essays in Honour of Dr. U. Sankar*, Chapter 6, pp. 148-186, Sage Publication, New Delhi. (January 2016)
7. Mukherjee, S. and D. Chakraborty (2016), "Environmental Policy Instruments for International Trade: A Review", in D. Chakraborty and J. Mukherjee (eds.), *Trade, Investment and Economic Development in Asia: Empirical and policy issues*, Chapter 14, Routledge, U.K. & U.S.A. (7 June 2016)
8. Chakraborty, D. and S. Mukherjee (2016), "How CO₂ Emissions are influenced by Scale, Composition and Technique Effects? Empirical Evidences from Panel Data Analysis", in D. Chakraborty and J. Mukherjee (eds.), *Trade, Investment and Economic Development in Asia: Empirical and policy issues*, Chapter 16, Routledge, U.K. & U.S.A. (7 June 2016)
9. Mukherjee, S. and D. Chakraborty (2015), "Walking a Thin Line between Growth and Development Concerns? Environmental Governance in India", in Mukherjee, S. and D. Chakraborty (eds.) *Environmental Challenges and Governance: Diverse perspectives from Asia*, Routledge, U.K. Chapter 3, pp. 49-74.
10. Mukherjee, S. and D. Chakraborty (2015), "Environmental Changes in the Times of Economic Growth – an Asian odyssey", in Mukherjee, S. and D. Chakraborty (eds.) *Environmental Challenges and Governance: Diverse perspectives from Asia*, Routledge, U.K. Chapter 1, pp.1-30.
11. Mukherjee, S. and D. Chakraborty (2015), "Environmental Governance Scenario in Asia – Lessons for the Future", in Mukherjee, S. and D. Chakraborty (eds.) *Environmental Challenges and Governance: Diverse perspectives from Asia*, Routledge, U.K. Chapter 14, pp.251-268.
12. Geekiynage, N., R. B. Bista, S. Nissanka and S. Mukherjee (2015), "State of Land Use, Land Use Change and Forestry in South Asia", in Silvia Lac, Suren Kulshreshtha and Mark McHenry (eds), *Land Use, Land Use Change and Forestry, Chapter 1*, pp. 1-14, Nova Science Publishers, USA.
13. Mukherjee, S. and D. Chakraborty (2015), "Relationship between Fiscal Subsidies and CO₂ Emissions: Evidence from Cross-Country Empirical Estimates", in Soumyananda Dinda (ed.), *Handbook of Research on Climate Change Impact on Health and Environmental Sustainability*, Chapter 28, pp. 568-592, IGI Global, USA.
14. Mukherjee, S., D. Chakraborty and J. Chaisse (2015), "Beyond the Bali Package: Revising the Agreement on Subsidies and Countervailing Measures", in Won-mog Choi (ed.) *International Economic Law: The Asia-Pacific Perspectives*, Cambridge Scholars Publishing, U.K. pp. 196-235, 1 August 2015.
15. Mukherjee, S. and D. Chakraborty (2014), "Transition of Human Development Performance: Consideration for Uttar Pradesh in the Indian Canvas", in Kumar, Rajiv and Amir Ullah Khan (Eds.) *Education and Health: the Challenges in UP*, The Global Press, Saharanpur, U.P.
16. Mukherjee, S. and D. Chakraborty (2012), "Budgetary Allocations and Human Development", in Panda, P.P. (Ed.), *Human Development and Social Security in India*, Century Publication, New Delhi (ISBN: 9788177082258), Chapter 2, pp. 12-21.

17. Mukherjee, S. (2012), "Issues and Options to Control Agricultural Nonpoint Source Pollution: A Case Study from India", in Mukherjee, S. and D. Chakraborty (ed.), *"Environmental Scenario in India: Successes and Predicaments"*, Routledge, U.K., Chapter 1, pp. 21-44.
18. Mukherjee, S. and D. Chakraborty (2012), "The Indian growth story: towards a sustainable development?", in Mukherjee, S. and D. Chakraborty (ed.), *"Environmental Scenario in India: Successes and Predicaments"*, Routledge, U.K., pp. 1-18.
19. Mukherjee, S. and D. Chakraborty (2012), "Environmental management in India: past policies, present lessons and future course", in Mukherjee, S. and D. Chakraborty (ed.), *"Environmental Scenario in India: Successes and Predicaments"*, Routledge, U.K., pp. 267-278.
20. Mukherjee, S. (2011), "Role of Farmers in Protecting Groundwater in lower Bhavani River Basin of Tamil Nadu", in Prakash, A., V. S. Saravanan and J. Chourey (eds.), *"Interlacing Water and Human Health: Case Studies from South Asia"*, Sage Publication, New Delhi, (ISBN: 9788132107255) Chapter 12, pp. 258-286.
21. Mukherjee, S. and D. Chakraborty (2011), "Economic Growth, Human Development and Protection of Common Property: Cross-State Analysis of Forest Sector in India", in Khan, Amir Ullah and Mousumi Majumdar (eds.), *"Common Property Resource Management: A Focus on Forestry"*, Academic Foundation, New Delhi (ISBN: 9788171888917), Chapter 2, pp. 61-74.
22. Mukherjee, S. and D. Chakraborty (2009), "Environment, Human Development and Economic Growth of Indian States after Liberalisation", in Rout, H.S. and P.K. Panda (eds.), *"Human Development: Dimensions and Strategies"*, New Century Publications, New Delhi (ISBN: 978817708985), Chapter 10, pp. 232-280.
23. Mukherjee, S. and D. Chakraborty (2008), "How are Environment, Human Development and Economic Growth Related in India? A Cross-State Analysis", in Bhatt, M.S., S. Asraf and A. Illiyann (eds.), *"Problems and Prospects of Environment Policy: Indian Perspective"*, Aakar Books, Delhi (ISBN: 8189833596), Chapter 4, pp. 85-119.
24. Mukherjee, S. and P. Nellyat (2008), "Emerging Environmental Challenges of Industrial Effluent Irrigation: A Case Study", Chapter 8 in Usha, A. (ed.), *"Pollution Prevention: A Debate"*, ICFAI University Press, Hyderabad (ISBN: 8131413446), Chapter 8, pp. 160-207.
25. Mukherjee, S. and D. Chakraborty (2008), "A Cross-State Analysis on the Relationship between Environmental Quality and Human Development in India", Chapter 3 in Chakraborty, D. and S. Nath (eds.), *"Collected Essays on Economic Development: Essays in Honour of Prof. Asok Barman"*, Bookwell Publications, New Delhi (ISBN: 8189640583), Chapter 2, pp. 59-92.
26. Mukherjee, S. and P. Nellyat (2008), "Environmental and Socioeconomic Impacts of Industrial Effluent Irrigation in Mettupalayam Taluk, Tamil Nadu", Chapter 14 in Kumar, N. and V.V. Ramani (eds.), *"Indian Industry and Environment: Policies and Practices"*, ICFAI Books, Hyderabad (ISBN: 9788131419724), Chapter 14, pp. 255-287.

WORKING PAPERS/ MONOGRAPHS

1. Mukherjee, S. (2019), "State of Public Finance and Fiscal Management in India during 2001-16", Working Paper No. 265, National Institute of Public Finance and Policy (NIPFP), New Delhi, May 2019.
2. Mukherjee, S. (2019), "Inter-Governmental Fiscal Transfers in the Presence of Revenue Uncertainty: The Case of Goods and Services Tax (GST) in India", Working Paper No. 255, National Institute of Public Finance and Policy (NIPFP), New Delhi, March 2019.
3. Mukherjee, S. (2019), "Exploring Low-Carbon Energy Security Path for India: Role of Asia-Pacific Energy Cooperation", Working Paper No. 259, National Institute of Public Finance and Policy (NIPFP), New Delhi, April 2019.
4. Mukherjee, S. and Xavier Leflaive (2018), "Concept Note on Cost Recovery in Indian Water Sector", Available at: <https://www.eip-water.eu/sites/default/files/Concept%20Note%20on%20Costs%20Recovery%20in%20Water%20Sector-Cleaned-Final-rev.pdf>
5. Mukherjee, S., Xavier Leflaive and Rochi Khemka (2018), "Moving ahead on blended financing mechanisms and pricing water in India", Available at: <https://www.eip-water.eu/sites/default/files/Blended%20Finance%20and%20Cost%20Recovery%20-%20Next%20steps-18%20december%202017-rev.pdf>
6. Mukherjee, Sachidananda & Rao, R. Kavita (2017), "Determinants of Registration of Unincorporated Enterprises under State Value Added Tax Act in India", MPRA Paper 81236, University Library of Munich, Germany.
7. Mukherjee, S. (2017), "Changing Tax Capacity and Tax Effort of Indian States in the Era of High Economic Growth, 2001-2014", Working Paper No. 196, National Institute of Public Finance and Policy (NIPFP), New Delhi, May 2017.
8. Tax Research Team (2017), "Demonetisation: Impact on the Economy", Working paper No. 182, National Institute of Public Finance and Policy (NIPFP), New Delhi, March 2017.
9. Mukherjee, Sachidananda and Chakraborty, Debashis (2016), "Turning Human Waste into Renewable Energy: Scope and Options for India", MPRA Paper 73669, University Library of Munich, Germany.
10. D. Chakraborty and S. Mukherjee (2016), "How trade facilitation measures influence export orientation? Empirical estimates with logistics performance index data", MPRA Paper 74778, University Library of Munich, Germany.
11. Mukherjee, Sachidananda and Debashis Chakraborty (2016), "Potential and Viability of Renewable Energy from Human Waste: An Exploratory Analysis for India", DST-CPR Working Paper Series No. 9, DST-Centre for Policy Research, Babasaheb Bhimrao Ambedkar University, Lucknow, Uttar Pradesh.
12. Rao, R. Kavita, S. Tandon and S. Mukherjee (2016), "Corporate Tax: A brief assessment of some exemptions", Working Paper No. 165, National Institute of Public Finance and Policy (NIPFP), New Delhi, March 2016.

13. Mukherjee, S. (2015), "*Present State of Goods and Services Tax (GST) Reform in India*", Working Paper No. 06/2015, Tax and Transfer Policy Institute, Crawford School of Public Policy, Australian National University, Canberra, Australia.
14. Mukherjee, S. (2015), "*Present State of Goods and Services Tax (GST) Reform in India*", Working Paper No. 154, National Institute of Public Finance and Policy (NIPFP), New Delhi.
15. Mukherjee, S. and R. Kavita Rao (2015), "*Estimation of Unaccounted Income Using Transport as a Universal Input: A Methodological Note*", Working Paper No. 146, National Institute of Public Finance and Policy (NIPFP), New Delhi.
16. Mukherjee, S. and R. Kavita Rao (2015), "*Factors Influencing Unincorporated Enterprises to Register under Value Added Tax (VAT): An Analysis with Enterprises Survey Data*", Working Paper No. 145, National Institute of Public Finance and Policy (NIPFP), New Delhi.
17. Sengupta, Ramprasad, Sacchidananda Mukherjee and Manish Gupta (2015), "*Financing for Infrastructure Investment in G-20 Countries*", Working Paper No. 2015-144, National Institute of Public Finance and Policy (NIPFP), New Delhi.
18. Mukherjee, S., D. Chakraborty and S. Sikdar (2014), "*Three Decades of Human Development across Indian States: Inclusive Growth or Perpetual Disparity?*", Working Paper No. 2014-139, National Institute of Public Finance and Policy (NIPFP), New Delhi.
19. Mukherjee, S. and R. Kavita Rao (2014), "*Exploring policy options to include petroleum, natural gas and electricity under the Goods and Services Tax (GST) regime in India*", Working Paper No. 2014-136, National Institute of Public Finance and Policy (NIPFP), New Delhi.
20. Mukherjee, S., D. Chakraborty and J. Chaisse (2014), "*Influence of Subsidies on Exports: Empirical Estimates, Policy Evidences and Regulatory Prospects*", IIFT Working Paper No. EC-14-22, Indian Institute of Foreign Trade (IIFT), New Delhi.
21. Chakraborty, D. and S. Mukherjee (2013), "*Do Trade and Investment Flows Lead to Higher CO₂ Emissions? Some Panel Estimation Results*", IIFT Working Paper No. W. P. No. EC-13-21, Indian Institute of Foreign Trade (IIFT), New Delhi.
22. Mukherjee, S. and D. Chakraborty (2013), "*Negative Influence of Fiscal Subsidies on Environment: Empirical Evidence from Cross-Country Estimation*", Working Paper No. 117, National Institute of Public Finance and Policy (NIPFP), New Delhi, India.
23. Dash, B.B. and S. Mukherjee (2013), "*Does Political Competition influence Human Development? Evidence from Indian States*", Working Paper No. 118, National Institute of Public Finance and Policy (NIPFP), New Delhi, India.
24. Mukherjee, S. and D. Chakraborty (2010), "*Is there any relationship between Economic Growth and Human Development? Evidence from Indian States*", MPRA Paper 22997, University Library of Munich, Germany.
25. Chakraborty, D. and S. Mukherjee (2010), "*Relationship between Trade, Investment and Environment: A Review of Issues*", MPRA Paper 23333, University Library of Munich, Germany.
26. Mukherjee, S. and D. Chakraborty (2010), "*Is there any Relationship between Environment, Human Development, Political and Governance Regimes? Evidences*

- from a Cross-Country Analysis*", MPRA Paper 19968, University Library of Munich, Germany.
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 28. Mukherjee, S. and D. Chakraborty (2007), "*Environment, Human Development and Economic Growth after Liberalisation: An Analysis of Indian States*", Working Paper No. 16, Madras School of Economics, Chennai, India, July 2007. Available Online: <http://www.mse.ac.in/pub/Working%20Paper%2016%20PDF.pdf>
 29. Mukherjee, S. and P. Nelliya (2006), "*Groundwater Pollution and Emerging Environmental Challenges of Industrial Effluent Irrigation: A Case Study of Mettupalayam Taluk, Tamilnadu*", Working Paper No. 7, Madras School of Economics, Chennai, India, March 2006. Available Online: <http://mse.ac.in/pub/mukpra.pdf>
 30. Mukherjee, S. and V. Kathuria (2006), "*Is Economic Growth Sustainable? Environmental Quality of Indian States Post 1991*", Working Paper No. 6, Madras School of Economics, Chennai, India, March 2006. Available Online: <http://mse.ac.in/pub/murvin.pdf>
 31. Mukherjee, S. and S. Sud (2003), "*A Comparative Study of the Impact of Emissions from Diesel and Petrol Fuelled Passenger Cars*", A Joint Study of the Madras School of Economics and Delphi-TVS Diesel Systems Limited, August 2003.

PAPERS PRESENTED AT PEER REVIEWED INTERNATIONAL CONFERENCES

1. Mukherjee, S. (2019), "Exploring Low-Carbon Energy Security Path for India: Role of Asia-Pacific Energy Cooperation", paper presented at the International Conference on "*India's Energy Security: Inter-regional Cooperation to Energy Secure Society*", School of International Studies (SIS), Jawaharlal Nehru University (JNU), New Delhi, 19 March 2019.
2. Mukherjee, S. (2018), "*Impact of GST and what might happen?*" (Co-author: R. Kavita Rao), paper presented at the International Conference on "Public Finance: Theory, Practice and Challenges", Asian Development Research Institute (ADRI), Patna, 8 December 2018.
3. Mukherjee, S. (2017), "*Efficiency in Value Added Tax (VAT) Collection across Indian States: Panel Stochastic Frontier Analysis*", paper presented at International Institute of Public Finance (IIPF) 73rd Annual Congress, 18-20 August 2017, Tokyo, Japan.
4. Rao, R. Kavita and S. Mukherjee (2017), "Corporate tax incentives in India: Efficient and Fair?", paper presented at the conference on "*What shall we do with company tax?*", 24-25 July 2017, Tax and Transfer Policy Institute, Crawford School of Public Policy, Australian National University, Canberra, Australia.
5. Mukherjee, S. and R. Kavita Rao (2017), "*Development of an Analytical Framework for Assessment of State Commercial Tax Administration in India*", paper accepted for Oral Presentation at the Tax Research Network (TRN) Conference 2017, 5-6 September 2017, London, U.K.

6. Mukherjee, S. and D. Chakraborty (2017), "Implementing Precautionary Approach to Safeguard Natural Habitat", paper presented at the "Third Regional Workshop on Country Safeguard Systems", 10-11 April 2017, Asian Development Bank (ADB), Bali, Indonesia (Co-author presented the paper).
7. D. Chakraborty and S. Mukherjee (2016), "How Trade Facilitation Measures influence Export Orientation? Empirical Estimates with Logistics Performance Index Data", paper presented at the 5th Empirical Issues in International Trade and Finance Conference, Indian Institute of Foreign Trade, Kolkata, 16-17 December, 2016 (Co-author presented the paper).
8. Mukherjee, S. and D. Chakraborty (2015), "Demand for Infrastructure Investment for Water Services: Key Features and Assessment Methods", paper presented at the international conference on "Managing the Globalization of Sanitation Water Services: 'Blue Gold;' regulatory Challenges", 23-24 March 2015, The Chinese University of Hong Kong, Hong Kong SAR.
9. Mukherjee, S. and D. Chakraborty (2015), "Does Fiscal Policy influence per capita CO₂ emission? A cross country empirical analysis", paper presented at the Third Annual Conference of the Green Growth Knowledge Platform (GGKP) on Fiscal Policies and the Green Economy Transition: Generating Knowledge – Creating Impact, 29-30 January 2015, Ca' Foscari University of Venice, Venice, Italy (Co-author presented the paper).
10. Mukherjee, S. (2012), "Economic Valuation of a Multiple Use Wetland Water System in the Gangetic Floodplain of West Bengal, India", Paper presentation at the 2012 World Water Week in Stockholm on "Water and Food Security", Sweden, August 26-31, 2012.
11. Mukherjee, S. (2011), "Increasing Role of Large Reservoirs in Sustaining Urban Water Supplies in India", Poster presentation at the 2011 World Water Week in Stockholm on "Responding to Global Changes: Water in an Urbanising World" Sweden, August 21-27, 2011.
12. Mukherjee, S. (2010), "Determinants of Farmers' Willingness To Protect Groundwater from Nonpoint Sources of Pollution in the Lower Bhavani River Basin, Tamilnadu, India", Paper presented at the 2010 World Water Week in Stockholm on "Responding to Global Changes: The Water Quality Challenge", Sweden, September 05-11, 2010.
13. Mukherjee, S. and D. Chakraborty (2010), "Do Non-Economic Factors Influence Environmental Performance of a Country? Recent Empirical Evidence", Paper presented at the Asia Pacific Economic Association Sixth Annual Conference (APEA 2010), Hong Kong Baptist University, Hong Kong, July 08-09, 2010 (Co-author presented the paper) .
14. Mukherjee, S. (2009), "Farmers' Willingness To Adopt Agricultural Best Management Practices to Control Nonpoint Source Pollution in the Lower Bhavani River Basin, Tamilnadu, India", in the proceedings of the 7th International Symposium on Southeast Asian Water Environment (SEAW2009), October 28-30, 2009, Bangkok, Thailand.
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 18. Mukherjee, S. and Z. Shah (2008), “*Large Reservoirs: Are They Last Oasis for the Survival of Cities in India?*”, *Ibid*, Vol. 2, pp. 907-922.
 19. Kumar, M.D., Z. Shah, S. Mukherjee and A. Mudgerikar (2008), “*Water, Human Development and Economic Growth: Some International Perspectives*”, *Ibid*, Vol. 2, pp. 841-857.
 20. Mukherjee, S. and D. Chakraborty (2007), “*Environment, Human Development and Economic Growth of Indian States after Liberalisation*”, paper accepted for presentation at the “*Third Annual Asia-Pacific Economic Association (APEA) Conference – APEA 2007*”, Hong Kong University of Science and Technology, Hong Kong, China, July 25-26, 2007 (Co-author presented the paper).
 21. Mukherjee, S. (2005), “*Environmental Ranking of Indian States*”, paper presented at the “*International Conference on Environment and Development: Developing Countries Perspective*”, Jawaharlal Nehru University, New Delhi, April 07-08, 2005.

PAPERS PRESENTED AT NATIONAL CONFERENCES

1. Mukherjee, S. (2019), “*Inter-Governmental Fiscal Transfers in the Presence of Revenue Uncertainty: The Case of Goods and Services Tax (GST) in India*”, Paper presented at the MSE-Ernst & Young Roundtable on “*Fiscal Federalism in India: Contemporary Perspectives*”, Madras School of Economics (MSE), Chennai, 23 February 2019.
2. Mukherjee, S. (2017), “*Changing Tax Capacity and Tax Effort of Indian States in the era of high Economic Growth, 2001-2014*”, Paper presented at the Conference on Papers in Public Economics and Policy, National Institute of Public Finance and Policy, New Delhi, 24 April 2017.
3. Chakraborty, D. and S. Mukherjee (2016), “*How Trade Facilitation Measures influence Export Orientation? Empirical Estimates with Logistics Performance Index data*”, paper presented at the Fifth Conference on *Empirical Issues in International Trade and Finances*, IIFT, Kolkata, 16-17 December 2016.
4. Mukherjee, S. and R. Kavita Rao (2015), “*Factors influencing unincorporated enterprises to register with State Tax Authority: An analysis with enterprises survey data*”, paper presented at the Conference on *Papers in Public Economics and Policy*, 12-13 March 2015, NIPFP, New Delhi.

5. Chakraborty, D. and S. Mukherjee (2014), "How CO₂ Emissions are influenced by Scale, Composition and Technique Effects? Empirical Evidences from Panel Data Analysis", paper presented at the Fourth Research Conference on *Empirical Issues in International Trade and Finance*, Indian Institute of Foreign Trade (IIFT), New Delhi, 18-19 December 2014.
6. Mukherjee, S. and D. Chakraborty (2013), "Human Development and Growth Experience: Considerations for Uttar Pradesh in the Indian Canvas", paper presented at the conference on *Education and Health: Special focus on Uttar Pradesh*, jointly organized by Glocal University and E&H Foundation, October 25-26, 2013, Saharanpur, Uttar Pradesh.
7. Mukherjee, S. and D. Chakraborty (2012), "Are Fiscal Subsidies Harmful for the Environment? Empirical Evidence from Cross-Country Estimation", paper presented at the conference on *Papers in Public Economics*, November 7-8, 2012, NIPFP, New Delhi.
8. Dash, B. B., S. Mukherjee and D. Chakraborty (2012), "Does political competition improve human development performance? Evidence from the Indian states", paper presented at the conference on *Papers in Public Economics*, November 7-8, 2012, NIPFP, New Delhi.
9. Mukherjee, S. and D. Chakraborty (2012), "*Is There Any Interdependence between Economic Growth and Human Development? Evidence from Indian States*", paper presented at the conference on *Papers in Public Economics*, February 08-09, 2012, NIPFP, New Delhi.
10. Mukherjee, S. (2012), "Farmers' Willingness To Adopt Agricultural Best Management Practices to Protect Groundwater from Nonpoint Sources of Pollution in the Lower Bhavani River Basin, Tamilnadu", paper presented at the National Seminar on *Environment-Health Linkages: Emerging Issues and Policy Response*, March 16-17, 2012, Department of Economics, Jamia Millia Islamia, New Delhi.
11. Mukherjee, S. (2010), "*Factors Influencing Farmers' Willingness To Adopt Best Management Practices to Protect Groundwater from Nonpoint Sources of Pollution: A Case Study in the Lower Bhavani River Basin, Tamilnadu, India*", paper presented at the *Cost Effective Sustainable Sanitation - An Indian Experience*, India Habitat Centre, New Delhi, June 28-30, 2010.
12. Mukherjee, S. and D. Chakraborty (2010), "*Is there any Relationship between Environment, Human Development, Political and Governance Regimes? Evidences from a Cross-Country Analysis*", paper presented at the 46th Annual Conference of *The Indian Econometric Society*, Department of Economics, University of Jammu, Jammu, March 4-6, 2010 (Co-author presented the paper).
13. Rao, R. Kavita and S. Mukherjee (2010), "*Administering GST: Should we continue with present form of Tax Administration?*", paper presented at the *Training Programme on General Sales Tax for State Tax Officials*, NIPFP, March 4-5, 2010 (Co-author presented the paper).
14. Mukherjee, S. and R. K. Rao (2009), "*Exploratory Notes on Understanding for Impacts of Petroleum Taxes on Different Sectors*", paper presented at the *Workshop on Design of Goods and Services Tax for India*, India Habitat Centre, New Delhi, September 30 – October 01, 2009.

15. Mukherjee, S. (2009), "*Factors Influencing Farmers' Willingness To Protect Groundwater from Nonpoint Sources of Pollution: A Case Study in The Lower Bhavani River Basin, Tamilnadu*", Paper presented at the National Seminar on *Participatory Approach to Water Resource Management*, Council for Social Development, New Delhi, March 19-20, 2009.
16. Mukherjee, S. (2009), "*Economic Valuation of a Wetland as Multiple Use System in West Bengal, India*", Paper presented at the National Seminar on *Wetlands of India: Economics of Management and Conservation*, Jamia Millia Islamia, New Delhi, March 20-21, 2009.
17. Mukherjee, S. (2009), "*Factors Influencing Farmers' Willingness To Protect Groundwater from Nonpoint Sources of Pollution in the Lower Bhavani River Basin, Tamilnadu*", Paper presented at the *Reader Workshop on Water and Health in South Asia*, South Asia Consortium for Interdisciplinary Water Resources Studies (SaciWATERS), February 25-27, 2009, Hyderabad.
18. Mukherjee, S. and R. K. Rao (2009), "*Understanding the Impact of Taxation of Petroleum Products in India*", in the proceedings of the *Papers in Public Economics*, NIPFP, New Delhi, December 15, 2009.
19. Mukherjee, S. and D. Chakraborty (2008), "*Environment, Human Development and Economic Growth after Liberalisation: An Analysis of Indian States*", in the Proceedings of *Interdisciplinary Research Methodology Workshop on Environment, Sustainable Development and Human Well-being*, PP. 160-190, Madras Institute of Development Studies, Chennai, February 18-20, 2008.
20. Mukherjee, S. and D. Chakraborty (2007), "*Environment, Human Development and Economic Growth of Indian States after Liberalisation*", paper presented at the *National Seminar on Human Development Issues: Capacity Development in Indian States*, September 24-26, 2007, Indira Gandhi Institute of Development Research (IGIDR), Mumbai (Co-author presented the paper).
21. Mukherjee, S. and D. Chakraborty (2007), "*Environment, Human Development and Economic Growth of Indian States after Liberalisation*", paper presented at the *National Conference on National Environmental Policy (NEP) - 2006: Objectives, Strategies and Implementation*, February 20-21, 2007, New Delhi (Co-author presented the paper).
22. Mukherjee, S. and D. Chakraborty (2007), "*Environment, Human Development and Economic Growth of Indian States after Liberalisation*", paper presented at the *National Seminar on Making Growth Inclusive with Special Reference to Imbalance in Regional Development*, March 12-13, 2007, Jammu Department of Economics, University of Jammu, and Indian Institute of Advanced Studies, Shimla (Co-author presented the paper).
23. Mukherjee, S. and P. Nelliya (2006), "*Groundwater Pollution and Emerging Environmental Challenges of Industrial Effluent Irrigation in Mettupalayam Taluk, Tamilnadu*", paper presented at the *Ninth Biennial Conference of International Society for Ecological Economics (ISEE) on Ecological Sustainability and Human Well-being*, December 15-18, 2006, New Delhi.
24. Mukherjee, S. and V. Kathuria (2006), "*Economic Growth and Environmental Quality of Indian States after Liberalisation*", *Ibid.*

25. Mukherjee, S. and P. Nellyat (2006), "*Groundwater Pollution and Emerging Environmental Challenges of Industrial Effluent Irrigation: A Case Study of Mettupalayam Taluk, Tamilnadu*", paper presented at the International Water Management Institute (IWMI) – Tata Water Policy Programme's Fifth Annual Partners' Meet on *Water, Equity and Development*, March 8-10, 2006, Institute of Rural Management Anand, Gujarat.
26. Shanmugam, K. R. and S. Mukherjee (2004), "*Fertilizer Use Efficiency of Farms in the Bhavani River Basin*", paper presented at the *National Seminar on Environmental Issues and Natural Resources Management*, Department of Economics, Gobi Arts and Science College, Erode, Tamil Nadu, October 09-10, 2004.

INVITED SEMINARS

1. *Present State of Goods and Services Tax (GST) Reform in India*, Tax and Transfer Policy Institute, Crawford School of Public Policy, Australian National University, Canberra, 25 August 2015.
2. *Estimation of Unaccounted Income using Transport as a Universal Input: A Methodological Note*, Economic Research Unit, Indian Statistical Institute (ISI) Calcutta, 1 June 2015.
3. *Estimation of unaccounted income using transport as a universal input: A methodological note* (Co-author: R. Kavita Rao), 6 April 2015, NIPFP, New Delhi.

INVITED LECTURES

- 2019:** *Exploring Low-Carbon Energy Security Path for India: Role of Asia-Pacific Energy Cooperation* at Council on Energy, Environment and Water (CEEW), New Delhi 17 April 2019.
- 2019:** *Decades of Indirect Tax Reforms in India: A Journey towards Goods and Services Tax (GST)* for M.A. (Economics) Student at Ambedkar University Delhi, 29 March 2019.
- 2019:** *Taxation: Impacts, Shifting and Incidence* for Training Programme for Officer Trainees of Indian Audit & Accounts Service, NIPFP, 28 January 2019.
- 2019:** *Theory and Principles of Taxation* for Training Programme for Officer Trainees of Indian Audit & Accounts Service, NIPFP, 25 January 2019.
- 2018:** *Goods and Services Tax* for the 12th Two-Week Refresher Course in Public Economics for University and College Teachers in South Asian Region NIPFP, 19 December 2018.
- 2018:** *Decades of Indirect Tax Reforms in India: A Journey towards Goods and Services Tax (GST)*, in training programme for the ICAS (India Civil Accounts Services) Probationers on "Emerging Issues and Challenges in Public Finance and Policy", NIPFP, 13 December 2018.

- 2018:** *Goods and Services Tax (GST) in India: An Introduction*, in in training programme for the ICAS (India Civil Accounts Services) Probationers on “Emerging Issues and Challenges in Public Finance and Policy”, NIPFP, 13 December 2018.
- 2018:** *Decades of Indirect Tax Reforms in India: A Journey towards Goods and Services Tax (GST)*, in Training Programme on Public Finance for the Indian Economic Service (IES) Probationers, NIPFP, 20 June 2018.
- 2018:** *Overall Indirect Tax Reforms*, in Training Programme for ICAS Probationers on “Emerging Issues and Challenges in Public Finance and Policy”, 12 April 2018.
- 2018:** *Goods and Services Tax (GST): Opportunities and Challenges*, distinguished speaker in the Seminar on “Goods and Services Tax (GST): The Road Ahead”, Department of Commerce, Delhi School of Economics, University of Delhi, 28 February 2018.
- 2018:** *Structure of Indirect Taxes and Goods and Services Tax* for the Course in Public Finance for Officer Trainees of Indian Audit & Accounts Service, 29 & 31 January 2018.
- 2017:** *Structure of Indirect Taxes in India: Drivers for Goods and Services Tax (GST) and Fiscal Federalism and Centre-State Fiscal Relation post 14th Finance Commission Award* in Winter School on Public Finance and Urban Policy for the students of the Russian Presidential Academy of National Economy and Public Administration (RANEPA) at Centre for Research in Rural and Industrial Development (CRRID), Chandigarh, 1 December 2017.
- 2017:** *Structure of Indirect Taxes in India*, in Training Programme in Monetary and Fiscal Policy for officer trainees of Indian Statistical Service, NIPFP, 9 June 2017.
- 2017:** *Structure and Design of Goods and Services Tax in India*, in Training Programme on Public Finance for the Indian Economic Service (IES) Probationers, NIPFP, 14 June 2017.
- 2017:** *Financing Infrastructure*, in Training Programme on Public Finance for the Indian Economic Service (IES) Probationers, NIPFP, 16 June 2017.
- 2017:** *Evolution of Indirect Taxes and GST in India*, for ICAS (India Civil Account Services) Probationers on “Emerging Issues and Challenges in Public Finance and Policy”, NIPFP, 8 March 2017.
- 2017:** *Fiscal Prudence or Contractionary Fiscal Policy? An Analysis of Union Budget 2017-18*, Sharda University, Greater NOIDA, 3 February 2017.
- 2017:** *Structure of Indirect Taxes in India* (31 January 2017) and *Goods and Services Tax: Issues and Options* (2 February 2017), lectures for the Course in Public Finance for Officer Trainees of Indian Audit & Accounts Service.
- 2016:** *Understanding Goods and Services Tax (GST)*, Training Programme on Finance for Non Finance Executives, Indian Oil Corporation Limited, New Delhi, 14 December 2016.
- 2016:** *Goods and Services Tax (GST) in India: issues and Options*, Shaheed Bhagat Singh College, University of Delhi, 25 October 2016.
- 2016:** *GST in India: Issues and Options*, Kamala Nehru College, University of Delhi, New Delhi, 27 September 2016.

- 2016:** *Structure of Taxes in India*, training programme on Public Finance for Indian Economic Service (IES) Probationers, 31 May 2016.
- 2016:** *Structure of Indirect Taxes in India*, training programme for Officer Trainees of Indian Statistical Service on "Monetary and Fiscal Policy", 28 April 2016, NIPFP.
- 2016:** *Goods and Services Tax: Impact on Indian Economy*, UGC Sponsored National Conference on Goods and Services Tax: Impact on Indian Economy, Department of Economics, Motilal Nehru College, University of Delhi, New Delhi, 18 March 2016
- 2016:** *Proposed Goods and Services Tax (GST) in India: Basic Features*, Department of Economics, Bharati College, University of Delhi, New Delhi, 2 February 2016.
- 2016:** *Proposed Goods and Services Tax (GST) in India: Design and Administration Issues*, Awareness Programme on Proposed GST by the Andhra Pradesh Commercial Taxes NGOs Association and the All India Confederation of Commercial Taxes Association (AICCTA), Elluru, Vijayawada, 3 January 2016.
- 2015:** *What is GST - Why should we change from VAT? and Business process proposed in GST for Middle/ Senior level Government Officials /Corporate Officials & tax consultants of the State of Odisha*, Madhusudan Das Regional Academy of Financial Management, Chandrasekharpur, Bhubaneswar, 16 December 2015.
- 2015:** *GST in Petroleum Sector: Revenue Neutrality and States' Concerns*, at the Industry Roundtable on GST in the Petroleum Sector, at Taj Mahal – Mansingh Road, New Delhi, 9 November 2015.
- 2015:** *What is GST - Why should we change from VAT? and Taxation of Petroleum Products under GST*, Team of Master Trainer from Commercial Tax Department, Government of Rajasthan, 14-18 September 2015, NIPFP, New Delhi.
- 2015:** *Present Structure of Indirect Taxes in India: Quests for Reforms and Proposed Design of Goods and Services Tax (GST) in India: Problems and Prospects*, 23 June 2015, Honeywell India Technology Centre, Gurgaon, Haryana, 23 June 2015.
- 2015:** *Options for Revenue Neutral GST for Oil and Gas*, Petroleum Federation of India, New Delhi, 12 June 2015.
- 2015:** *Estimation of Unaccounted Income using Transport as a Universal Input: A Methodological Note*, Indian Economic Service Probationers, 20 May 2015, NIPFP, New Delhi.
- 2015:** *Taxation of Goods and Services*, Indian Statistical Service Probationary Officers, 26 March 2015, NIPFP, New Delhi.
- 2015:** *Theory and Principles of Taxation* for Indian Audit & Accounts Service (IA&AS) Probationary Officers, 9 February 2015, NIPFP, New Delhi.
- 2015:** *Evolution of State Taxes* for Indian Audit & Accounts Service (IA&AS) Probationary Officers, 10 February 2015, NIPFP, New Delhi.
- 2014:** *Environmental Challenges in Times of Globalization – A Macro Perspective* at UGC Sponsored national Seminar on 'Globalization and Economic Development: Issues Related to Indian Economy', jointly organized by Department of Economics, Lalbaba College and Department of Economics, Kalyani University, West Bengal, 21-22 November 2014.

- 2014:** *Taxation and Challenges in Revenue Policy* at Refresher Programme on Financial Management for Middle to Senior Level Officers of Indian Statistical Service and Senior Officers of States/UTs, 17-21 November 2014, National Institute of Bank Management (NIBM), Pune.
- 2014:** *GST in the context of Petroleum, Natural Gas and Electricity Sector* at Refresher Programme on Financial Management for Middle to Senior Level Officers of Indian Statistical Service and Senior Officers of States/UTs, 17-21 November 2014, National Institute of Bank Management (NIBM), Pune.
- 2014:** *Credit Enhancement and Guarantee Arrangement for Infrastructure Investment* (with Prof. Ramprasad Sengupta), India – Australia G20 Roundtable, jointly organized by NIPFP, Brookings India and Australian National University, New Delhi, 10 September 2014.
- 2014:** *Methodology to Study Nonpoint Source Groundwater Pollution in India* for M.Sc. (Economics) Students, 1 September 2014, TERI University, New Delhi.
- 2014:** *Analysing the Impact of Taxes through Input-output Models* for Indian Statistical Service (ISS) Probationers, 18 June 2014, NIPFP, New Delhi
- 2014:** *Structure of Indirect Taxes in India* for Officials of Ministry of Finance, Government of Afghanistan, Management Development Institute (MDI), Gurgaon, 21 May 2014.
- 2014:** *GST in the context of Petroleum, Natural Gas and Electricity Sector* for Indian Economic Service (IES) Probationers, 14 May 2014, NIPFP, New Delhi
- 2014:** *Financing REDD+: Experience of Nepal and the Philippines*, One week refresher training programme on “International Law on Forestry with a special emphasis on REDD” for Indian Forest Service officers, O.P. Jindal Global University, Sonapat, Haryana, 10 January 2014
- 2013:** *Issues and Challenges in State Resource Mobilization- 1: Maharashtra* for Officials of Government of Maharashtra from Planning and Finance Department, 28 August 2013
- 2013:** *Issues and Challenges in State Resource Mobilization- 2: Tax Administration* for Officials of Government of Maharashtra from Planning and Finance Department, 28 August 2013
- 2013:** *Structure of Indirect Taxes in India* for Indian Statistical Services Probationers, 25 June 2013
- 2013:** *India: Energy Taxation Issues* for Visiting Executive Masters Students of Energy Management from ESCP, Europe, Management Development Institute (MDI), Gurgaon, 14 June 2013.
- 2013:** *Analysing the Impact of Taxes through Input-output Models*, 9th Refresher course in Public Economics and Policy for the University Teachers, NIPFP, 28 May 2013.
- 2013:** *Goods and Services Tax (GST) in the context of Petroleum, Natural Gas and Electricity Sector*, 9th Refresher course in Public Economics and Policy for the University Teachers, NIPFP, May 28, 2013.
- 2013:** *Wetland Biodiversity, Livelihoods and Management*, West Bengal Biodiversity Board, Kolkata, May 22, 2013.

- 2013:** *GST in the context of Petroleum, Natural Gas and Electricity Sector*, Training Course in Public Finance for Indian Audit and Accounts Service Probationers, February 21, 2013
- 2012:** *Impact of Taxes on Petroleum Products*, 8th Refresher Course in Public Economics for College and University Teachers, NIPFP, New Delhi, May 23, 2012.
- 2012:** *GST in the context of Petroleum and Natural Gas*, One Week Training Programme on Fiscal and Monetary Policy for Indian Statistical Service Probationers, NIPFP, New Delhi, May 10, 2012.
- 2011:** *Impact of Taxes on Petroleum Products*, 6th Refresher Course in Public Economics for College and University Teachers, NIPFP, New Delhi, June 2, 2011.
- 2011:** *Analysing the Impact of Taxes through Input-output Models*, One Week Course on Public Finance for Indian Economic Service (IES) Probationers, May 25, 2011.
- 2011:** *Empirical Issues: Part II - How to read numbers* in the Two Week Training Programme on Public Finance for Indian Audit & Accounts Service (IA&AS) Probationers, February 18, 2011.
- 2010:** *Taxation of Petroleum Products under GST*, IRS (Customs and Central Excise) Group 'A' Probationers, July 22, 2010 in NACEN, Faridabad and August 10, 2010 in NACEN, Mumbai.
- 2010:** *Taxation: Impacts, Shifting and Incidence*, IRS (Customs and Central Excise) Group 'A' Probationers, August 10, 2010 in NACEN, Mumbai.
- 2010:** *How to Develop Industry Studies: A Case Study on Indian Automobile Industry*, IRS (Customs and Central Excise) Group 'A' Probationers, July 16, 2010 in NACEN, Faridabad and August 03, 2010 in NACEN, Mumbai.
- 2010:** *An Understanding for Impacts of Petroleum Taxation on Different Sectors*, Sixth Refresher Course in Public Economics for University and College Teachers, May 20, 2010, NIPFP Auditorium.
- 2010:** *Taxation: Impacts, Shifting and Incidence* for IGNOU M.Phil./Ph.D. Students, April 15, 2010, NIPFP Conference Room
- 2010:** *How to Develop Industry Studies: A Case Study on Indian Automobile Industry*, IRS (Customs and Central Excise) Group 'A' Probationers, November 12 and December 03, 2009, NIPFP Auditorium
- 2010:** *Taxation of Petroleum Products under GST*, IRS (Customs and Central Excise) Group 'A' Probationers, July 22, 2010 in NACEN, Faridabad and August 10, 2010 in NACEN, Mumbai.

POPULAR PRESS PUBLICATION

An Update of GST in India - Austaxpolicy: Tax and Transfer Policy Blog, 08 June 2017,
Available from: <http://www.austaxpolicy.com/update-gst-india/>

How is India's GST shaping up? – East Asia Forum, 18 February 2017. Online access:
<http://www.eastasiaforum.org/2017/02/18/how-is-indias-gst-shaping-up/>

Impact of Water Scarcity on Indian Economy (in Hindi: भारतीय अर्थव्यवस्था पर जल की अभाव का प्रभाव), Bhagirathi Ki Swar, May 2016.

*Will India's proposed GST work? - East Asia Forum, 23 October 2015. Online access:
<http://www.eastasiaforum.org/2015/10/23/will-indias-proposed-gst-work/>*

*Will India's Proposed GST Work?, Austaxpolicy: Tax and Transfer Policy Blog, 10
December 2015, Available from: <http://www.austaxpolicy.com/will-indias-proposed-gst-work/>*

*Science vs economics of cess on diesel (Co-author: Anumita Roychowdhury), Down To
Earth, Vol. 16, No. 3, Friday, June 22, 2007. Online access:
<http://www.downtoearth.org.in/node/6179>*

*Translation in Social and Environmental Sustainability (Co-authors: Md. Mahmudul Alam,
Nalaka Geekiyanage, N. A. A. P. Nissanka, Yuti Ariani Fatimah), Policy Brief on the
Case of Energy Sector in few Asian Countries, International Human Dimensions
Programme on Global Environmental Change (IHDP),
<http://www.ihdp.unu.edu/article/read/translation-in-social-and-environmental-sustainability>*

COORDINATED TRAINING PROGRAMMES / CONFERENCES

2015: Training Programme on Goods and Services Tax for a Team of Master Trainer from Commercial Tax Department, Government of Rajasthan September 14 - 18, 2015, NIPFP, New Delhi.

2013: Co-organized a session on “*Domestic Water Quality- Issues and Mitigation*”, under the Indian Water Week 2013, April 8-12, 2013, Vigyan Bhawan, New Delhi.

2011: One Week Training Programme on Goods and Services Tax in India for State Government Officials, January 31-February 04, 2011 at NIPFP, New Delhi.

2011: One Week Training Programme on Goods and Services Tax in India for State Government Officials, January 17-24, 2011 at NIPFP, New Delhi.

2010: Two Week Training Programme on Public Finance and Policy for Indian Revenue Service (IRS, Customs and Central Excise) Group ‘A’ Probationers, August 02-13, 2010 at NACEN, Mumbai.

2010: Two Week Training Programme on Public Finance and Policy for Indian Revenue Service (IRS, Customs and Central Excise) Group ‘A’ Probationers, July 12-23, 2010 at NACEN, Faridabad.

2009: Two-week Training Programme on Public Finance for Indian Revenue Service (IRS, Central Excise and Customs) Group ‘A’ Probationers, NIPFP, New Delhi, November 9-20, 2009.

2009: Two-week Training Programme on Public Finance for Indian Revenue Service (IRS, Central Excise and Customs) Group ‘A’ Probationers, NIPFP, New Delhi, October 20-30, 2009.

IMPORTANT WORKSHOPS/ ROUNDTABLE/ PANEL DISCUSSION/ TRAININGS ATTENDED

2019: Invited Panellist at the Workshop on “*Role of Government Support and Market-Based Financing in India's Clean Energy Transition*”, jointly organised by Global Subsidies Initiative (GSI) of International Institute of Sustainable Development

- (IISD) and Council on Energy, Environment and Water (CEEW), Le Meridien, New Delhi 27 March 2019.
- 2018:** Invited Panellist at the Roundtable on “Carbon Tax Structure for India: Merits and Challenges”, Ernst & Young India and Shakti Sustainable Energy Foundation (Shakti), India Habitat Center, New Delhi, 27 July 2018.
- 2018:** Participated at an inception workshop for a study on “Water and Federalism,” Centre for Policy Research (CPR), New Delhi, 12 October 2018.
- 2014:** Participated at “NIPFP – GIZ Joint Workshop on Designing a Capacity Development Strategy for Environmental Fiscal Reform in the Indian Context”, 5 December 2014 at Mahogany Hall, IHC, New Delhi.
- 2013:** Invited Expert in “National Consultation on Economic Valuation of Bio-resources for Access and Benefit Sharing” as a part of UNEP-GEF-MoEF project on Strengthening the Implementation of the Biological Diversity Act and Rules with Focus on its Access and benefits Sharing Provision organised by the National Biodiversity Authority, Chennai, December 09-10, 2013.
- 2011:** Training Workshop on *Asian Development Pathways in the Context of Transitions Towards a “Green Economy”*, United Nation’s University International Human Dimensions Program on Global Environmental Change (UNU-IHDP), Nanjing, China, October 17-21, 2011.
- 2010:** Workshop on *Design and Administration of Goods and Services Tax in India*, National Institute of Public Finance and Policy, India Habitat Centre, New Delhi, September 30 – October 01, 2010.
- 2010:** *Roundtable on Eco-Taxes and GST*, Madras School of Economics, The Imperial, Janpath, New Delhi, March 25, 2010.
- 2009:** *Workshop on Design of Goods and Services Tax for India*, National Institute of Public Finance and Policy, India Habitat Centre, New Delhi, September 30 – October 01, 2009.
- 2009:** *Consultative Workshop on Environmental Flows*, Society for Voluntary Action, Revitalization and Justice (SVARAJ), Bangalore, the River Research Centre (RRC), Kerala and the South Asia Network on Dams, Rivers & People (SANDRP), New Delhi, Bangalore.
- 2006:** *Bangladesh - India Dialogue for Young Leaders – 2005*, Bangladesh Enterprise Institute, Dhaka and Secretary of State for Foreign and Commonwealth Affairs, UK.
- 2005:** *Natural Resource Management and Institution: The Links Between Property Rights, Collective Action and Natural Resource Management*, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Patancheru, Andhra Pradesh.
- 2004:** *Workshop on Applied Econometrics*, Madras School of Economics, Chennai.
- 2004:** *National Workshop on Integrated Water Resources Assessment, Development and Management*, Water Resources Organisation, Government of Tamil Nadu, Chennai.
- 2004:** *Law and Economics Training Workshop*, jointly organised by the Indira Gandhi Institute of Development Research (IGIDR), Mumbai and University of Hamburg, Germany.
- 2003:** *Southern Region CensusInfo User’s Workshop*, Directorate of Census Operations, Chennai.

2003: *Faculty Upgradation Program in Environmental Economics*, Indira Gandhi Institute of Development Research (IGIDR), Mumbai under the “World Bank Aided India: Environmental Management Capacity Building Technical Assistance Project”.

TEACHING EXPERIENCE

- EM-681: Environmental Economics (for Master of Engineering in Environmental Management, Centre for Environmental Studies, Anna University)
- EK-046: Urban Economics (Teaching Assistant for M. Sc. in Economics, Madras School of Economics, Chennai)
- EK-241: Indian Economic Development (Teaching Assistant for M. Sc. in Economics, Madras School of Economics, Chennai)

PROFESIONAL MEMBERSHIPS

- International Institute of Public Finance (IIPF) (Annual Member: 2017-18)
- Indian Society for Ecological Economics (INSEE) (Life Member)
- South Asian Network of Development and Environmental Economics (SANDEE)
- Water Supply & Sanitation Collaborative Council (WSSCC)
- International Water Resource Economics Consortium (IWREC)
- CGIAR System wide Program on Collective Action and Property Rights (CAPRI)
- Water - Environment Community in Solution Exchange: An Initiative of UN Country Team in India
- Economists on Environmental and Natural Resources: News, Opinion, and Analysis
- ResEcon: Land and Resource Economics Network
- eFlowNet: Global Environmental Flows Network

CONSULTANCY

- 2009:** Developing “National Citizen Satisfaction Index for India”, Quality Council of India, New Delhi and Indian Institute of Foreign Trade, New Delhi.
- 2004:** *Study of emissions from diesel versus petrol engines* in Chelliah, Raja J., Paul P. Appasamy, U. Sankar and Rita Pandey (2007), "*Ecotaxes on Polluting Inputs and Outputs*", Academic Foundation, New Delhi.

ADMINISTRATIVE RESPONSIBILITIES

- 2012-13: Member – Academic Committee, National Institute of Public Finance and Policy
- 2015-16: Member – Academic Committee, National Institute of Public Finance and Policy

MEMBERSHIP IN COMMITTEES/ ADVISORY BOARD

- Member - Sub-Committee of Advisory Committee on National Accounts to Examine Flow of Data from GST*

Framework, Ministry of Statistics and Programme Implementation, Government of India, New Delhi.

Co-convenor - Cost Recovery Taskforce, Advisory Group – National Water Accounting, Ministry of Water Resources, River Development and Ganga Rejuvenation, Government of India, New Delhi.

Member of the Advisory Group – DST centre for Policy Research, Babasaheb Bhimrao Ambedkar (Central) University, Lucknow, Uttar Pradesh.

JOURNAL REVIEWER (AD HOC)

- *Environment and Development Economics* (Cambridge Journals)
- *International Journal of Global Environmental Issues* (Inderscience Publishers)
- *Journal of Ecology and Natural Environment* (Academic Journals)
- *Urban Water Journal* (Taylor & Francis Group)
- *Water Policy* (IWA Publishing)
- *Water Resources Management* (Springer)
- *Economics Bulletin* (AccessEcon - <http://www.economicsbulletin.com/>)
- *International Journal of Social Sciences and Management* (www.ijssm.org)
- *Prajnan - Journal of Social and Management Sciences* (National Institute of Bank Management, Pune)
- *Foreign Trade Review* (Sage Journal)
- *Review of Development and Change* (Madras Institute of Development Studies, Chennai)
- *Asian Journal of Development and Governance* (Department of Public Administration, University of Rajshahi, Bangladesh)
- *Sustainability Science* (Springer)
- *Journal of International Development* (Wiley)
- *South Asian Economic Journal* (Sage India)
- *Sarvekshana* (Ministry of Statistics and Programme Implementation)
- *Journal of Environmental Economics and Policy* (Taylor and Francis Group)

BOOK PROPOSAL REVIEW

- An edited book on Public Finance and Fiscal Policy for Cambridge University Press, New Delhi, 2014.

REVIEW OF PROJECT PROPOSALS

- *Petroleum market volatility and economic policy alternatives in Kuwait: computable general equilibrium analysis* (Project Code: P116-17IC-02) for Kuwait Foundation for the Advancement of Sciences (KFAS), Project Budget: KWD 51,900

- *Toward Urban Water Security: Developing a Tool Kit for Integrated Urban Water Management for Different Urban Typologies in India* for Arghyam and Institute for Resource Analysis and Policy (IRAP). Project Budget: Undisclosed

PROFILES

- IDEAS RePEc: <https://ideas.repec.org/e/pmu174.html>
- Google Scholar: <https://scholar.google.com/citations?user=FQ-I6-0AAAAJ&hl=en>
- ORCID ID: <http://orcid.org/0000-0001-7835-232X>
- ResearchGate: http://www.researchgate.net/profile/Sacchidananda_Mukherjee
- academia.edu: <http://nipfp.academia.edu/SacchidanandaMukherjee>
- ResearcherID: <http://www.researcherid.com/rid/B-8888-2013>

REFERENCES

Prof. Paul P. Appasamy (Ph.D. Supervisor)

Honorary Professor
 Madras School of Economics
 8/19, Malaviya Avenue
 Dr. S. Radhakrishna Nagar
 Thiruvanmiyur, Chennai – 600 041
 Phone: 044-24529683
 E-mail: ppasamy@gmail.com

Prof. U. Sankar (Ph.D. Doctoral Committee Member)

Honorary Professor
 Madras School of Economics
 Gandhi Mandapam Road
 Chennai – 600025, Tamil Nadu
 Tel: 044 - 22300304, 22300307, 22352157
 E-mail: usankar@mse.ac.in

Dr. R. Kavita Rao (Team Leader - NIPFP's Tax Research Cell)

Professor
 National Institute of Public Finance and Policy
 18/2, Satsang Vihar Marg, Special Institutional Area
 New Delhi – 110 067, INDIA
 Ph. (O): +91-11-26960439, 26967935, 26852398, 26569780 (Ex: 105)
 E-mail: kavita.rao@nipfp.org.in