

Saon Ray

Senior Fellow

Indian Council for Research on International Economic Relations (ICRIER)

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Academic Qualifications: Ph.D. (Economics), Jawaharlal Nehru University, New Delhi, 2001. (Topic: Some Aspects of Gains from technology Transfer)

Areas of Research: International Trade, Industrial Economics, Microeconomics, Energy Economics, Climate Change Adaptation and Applied Econometrics.

Academic Appointments:

Senior Fellow, ICRIER (2009 -)

Associate Professor, TERI University (2007 - 2009)

Assistant Professor, TERI University (2004 – 2006)

Research Associate, Research and Information System for the Non Aligned and other Developing Countries (RIS) (2003- 2004)

Sir Ratan Tata Post Doctoral Fellow, Institute of Economic Growth (2001-2003)

Administrative Appointments:

Head of the Department, Department of Policy Studies, TERI University (TERI School of Advanced Studies) – August 2007 to May 2009.

Awards:

Medal Finalist at Global Development Network (GDN) Fifth Annual Global Development Conference held on January 28-30, 2004 at New Delhi.

Fellowships:

University Grants Commission, Junior Research Fellow, 1993 and Senior Research Fellow, 1996.

Memberships

- Indian Econometric Society
- Forum for Global Knowledge Sharing.

Visiting position

Invited to visit Calcutta University, Economics department for a week in March 2009. Delivered lecture on 'Trade environment linkage: the CGE approach.'

Brief Bio

Saon Ray is Senior Fellow, Indian Council for Research on International Economic Relations (ICRIER), New Delhi. An economist specializing in industry and international trade issues, her areas of interest include global value chains, technological upgrading of Indian industries, free trade agreements and trade creation effects, technology transfer, foreign direct investment, efficiency and productivity of firms, energy and climate change related issues. She has published widely on these issues in books and journal articles. Her Ph.D. in Economics from the Jawaharlal Nehru University examined the role of intellectual property rights in transferring technology to developing countries.

Publications: Authored Books

- **Ray, Saon** and Smita Miglani. *Global Value Chain and the missing link*, Routledge. 2018 hbk ISBN: 978-1-138-70902-7, e book ISBN: 9780429892011.
- Kathuria, Rajat, **Ray, Saon** and Kuntala Bandyopadhyay (eds.) *Low Carbon Pathways for Growth in India*, Springer. 2018. ISBN 978-981-13-0905-2
- **Ray, Saon**, Miglani, Smita and Neha Malik. *Impact of American Investment in India: A Socioeconomic Assessment*. Academic Foundation and ICRIER, April 2014. ISBN 13: 9789332701458.

Journal Articles:

- **Ray, Saon** (2019) Understanding the NBFC conundrum, Vol. 54, Issue No. 14, *Economic and Political Weekly*, April 6, 2019.
- **Ray, Saon** and Nandini Kumar (2016) Weather conditions and Air Pollution: Impact of Odd-Even Policy in Delhi, *Economic and Political Weekly*, Vol. 51, Issue No. 10, March 5, 2016.
- **Ray, Saon**; Goldar, Amrita and Smita Miglani (2012) Ethanol Blending Policy in India. *Economic and Political Weekly*. Vol. XLVII No. 1, Jan 7, 2012.
- **Ray, Saon** (2012) Technology Transfer and Technology Policy in a Developing Country. *Journal of Developing Areas*. 2012, Vol. 46, No. 2, Fall, 37-96.
- **Ray, Saon**; Goldar, Amrita and Smita Miglani (2012) Ethanol Blending Policy in India. *Economic and Political Weekly*. Vol. XLVII No. 1, Jan 7, 2012.
- Taneja, Nisha; **Ray, Saon**; Kaushal, Neetika and Devjit Roy Chowdhury (2011) An Approach to Prune India's Sensitive Lists under SAFTA. *Economic and Political Weekly*. Vol. 46 No. 11 March 12-18, 2011.
- **Ray, Saon** (2010) Trade and Environment: multilateral institutions and sustainable development. *Journal of Resources Energy and Development*, 2010. 7 (1), 1-10.
- **Ray, Saon** (2007) Moving up the Value chain? Comparison of the Indian Textile industry with the Chinese textile industry post MFA, *IJINB-ICFAI Journal of International Business*, 2007, February.
- **Ray, Saon** (2006) The changing role of technological factors in explaining efficiency in Indian firms", *Journal of Developing Areas*, 2006, Vol. 40, No. 1, Fall.
- **Ray, Saon** (2004) MNEs, Strategic Alliances and Efficiency of Firms: Emerging Trends, *Economic and Political Weekly*, January 31. 2004.

Book Chapters:

- **Ray, Saon** (2020) 'Revitalizing Multilateralism: A New World Order?' In "The multilateral trade system under stress: Charting Asia's path forward." Special report published by the Konrad-Adenauer-Stiftung's Regional Program on "Social and Economic Governance in Asia (SOPAS)".
- **Ray, Saon** and Smita Miglani (2020) 'COVID-19, India's Trade and Global Value Chains' in AIC-EEPC, eds. 2020. COVID-19: Challenges for the Indian Economy - Trade and Foreign Policy Effects. ASEAN-India Centre (AIC) - Engineering Export Promotion Council of India (EEPC), New Delhi. .

- **Ray, Saon** (2018) ‘**Best Practices to be Adhered by SMEs to Integrate in GVCs**’ in *Handbook of the 7th Global Economic Summit 2018*, WTC.
- Taneja, Nisha, **Ray, Saon** and Devyani Pande (2017) **Exploring the Trade in Textiles and Clothing between India and Pakistan**, Taneja, Nisha and Isha Dayal (eds.) *India Pakistan Trade Normalization*, Springer, 2017.
- **Ray, Saon** (2015) **A Framework for Understanding Adaptation by Manufacturing Industries**. In Soumyananda Dinda (ed.) *Handbook of Research on Climate Change Impact on Health and Environmental Sustainability*, IGI Global book series. 2015.
- **Saon Ray**, Nisha Taneja and Neetika Kaushal-Nagpal (2014) **Indo-Korea CEPA: Harnessing the Potential in Services**. In Rajat Kathuria and Sanjana Joshi (Eds.) *Forty Years of India-Korea Relations*, Academic Foundation and ICRIER. 2014.
- **Ray, Saon** and Neetika Kaushal (2012) **Investment in the Indo-Korea CEPA**. In Parthasarathi Shome and Choong Yong Ahn (eds.) *Korea-India: Deepening Partnership for the 21st Century*. KIEP. October 2012.
- Nisha Taneja, **Saon Ray**, Neetika Kaushal and Devjit Roy Chowdhury) (2012) **Pruning India’s Sensitive Lists under SAFTA**. In Kelegama, Saman et al. (eds.) *Regional Economic Integration: Challenges for South Asia during turbulent times*. SAWTEE and SACEPS. October 2012.
- Rajan, Ramkishan S; Rongala, Sunil; Ghosh, Ramya and **Saon Ray** (2011) **Inward Foreign Direct Investment (FDI) and External Policy**. In Santosh Kumar (ed.) *In the National Interest: A Companion volume*. Business Standard books. October 2011.
- **Ray, Saon** (2011) **International technology diffusion and productivity**. In Paul Robertson and David Jacobson (eds.) *Knowledge Transfer and Technology Diffusion*. Edward Elgar. April 2011.
- **Ray, Saon** (2005) **Non-Tariff Barriers to Exports and Imports in India**. In Sengupta, Dipankar et al. (eds.) *Beyond the Transition phase of WTO: An Indian Perspective*, Academic Foundation. 2005.

Book reviews

- **Ray, Saon** (2020) Book Review of Sanjay Kathuria and Priya Mathur (Eds.), *Strengthening Cross-Border Value Chains: Opportunities for India and Bangladesh* (English), *South Asia Economic Journal*. Volume: 21 issue: 1, page(s): 181-183.
- **Ray, Saon** (2020) Review of ‘Labour in Global Value Chains in Asia’ edited by Dev Nathan, Meenu Tewari and Sandip Sarkar. Cambridge University Press. 2016. Online ISBN: 9781316217382 and ‘Development with Global Value Chains: Upgrading and Innovation in Asia’ edited by Dev Nathan, Meenu Tewari and Sandip Sarkar. 2018. Cambridge University Press. Online ISBN: 9781316221730, *Journal of Asian Pacific Economic Literature*.

Working papers/ policy briefs

- **Saon Ray**, Vasundhara Thakur and Kuntala Bandyopadhyay (2020) ‘**India’s Insurance Sector: Challenges and Opportunities**’, ICRIER Working Paper No. 394, July, 2020.
- **Saon Ray** and Sabyasachi Kar (2020) ‘**Kuznets’ tension in India: Two Episodes**’ WIDER Working Paper 2020/24, UNU-WIDER, Helsinki. March 2020. Also as Institute of Economic Growth working paper no. 386.
- **Saon Ray** and Smita Miglani (2020) ‘**India’s GVC Integration: An Analysis of Upgrading Efforts and Facilitation of Lead Firms**’, ICRIER Working Paper No. 386, February, 2020.

- **Saon Ray** (2019) **‘What explains India’s poor performance in garments exports? Evidence from five clusters,’** ICRIER Working Paper No. 376, May, 2019.
- **Saon Ray**, Smita Miglani and Sandeep Paul (2019) **‘The probability of taking a loan: evidence from Indian cities,’** ICRIER Working Paper No. 370, February, 2019.
- **Saon Ray**, Smita Miglani and Sandeep Paul (2019) **Use of Blockchain and Artificial Intelligence to promote financial inclusion in India,** Asia-Pacific Tech Monitor, Jan-March, 2019.
- **Saon Ray**, Smita Miglani and Sandeep Paul (2018) **‘The growing importance of consumer finance for financial inclusion in India,’** ICRIER Working Paper No. 367, December 2018.
- **Saon Ray**, Sandeep Paul and Smita Miglani (2018) **‘Innovation, efficiency and inclusion: Integration of digital technologies in the Indian microfinance sector,’** ICRIER Working Paper No. 366, October 2018.
- **Saon Ray** and Smita Miglani (2018) **‘Upgrading in the Indian automobile sector: the role of lead firms,’** ICRIER Working Paper No. 360, June 2018.
- Taneja, Nisha; **Ray, Saon** and Devyani Pande (2016) **‘India-Pakistan Trade: Textiles and Clothing,’** ICRIER Working paper No. 326, June 2016.
- **Ray, Saon** and Smita Miglani (2016) **‘Innovation (and upgrading) in the automobile industry: the case of India,’** ICRIER Working Paper No. 320, May 2016.
- **Ray, Saon** and Smita Miglani, 2016. **‘The role of FDI in fostering growth in the automobile sector in India’** Asia-Pacific Tech Monitor, April-June 2016.
- **Ray, Saon;** Mukherjee, Prithvijit and Mishita Mehra (2016) **‘Upgrading in the Indian garment industry: a study of three clusters,’** ADB South Asia Working Paper series, No. 43, April, 2016.
- Tewari, M., Aiz, A., Cook, M., Goldar, A., Ray, I., **S. Ray**, Roy Chowdhury, S., and Unnikrishnan, V., 2015. **‘Reimagining India’s Urban Future: A Framework for Securing High Growth, Low Carbon, Climate Resilient Urban Development in India.’** ICRIER Working Paper 306, August, 2015.
- **Ray, Saon;** Miglani, Smita and Neha Malik, 2015. **‘Impact of American Investment in India.’** ICRIER Working Paper 296, February 2015.
- Akash Acharya, Andrei, Stepanie; Archer, Diane; Bahinipati, Chandra Sekhar; Bazaz, Amir; Bhat, G K; Bhatt, Mihir; Bolland, Jack; Devkota, Dinesh; Dodman, David; Hoppe, Michael; Karanth, Anup; Punia, Milap; Rajasekar, Mahesh; **Ray, Saon;** Sharma, Divya and Pritee Sharma, 2014. **‘Towards an urban agenda on climate-related loss and damage,’** Asian Cities Climate Resilience Policy Brief, International Institute for Environment and Development, November 2014.
- **Ray, Saon,** 2014. **‘What Explains the Productivity decline in Manufacturing in the nineties in India?’** ICRIER Working Paper 289, November 2014.
- Taneja, Nisha; Nagpal, Neetika Kaushal, and **Saon Ray,** 2014. **‘Indo-Korea CEPA: harnessing the potential in services,’** ICRIER Working Paper 280, July 2014.
- **Ray, Saon,** and Neha Malik, 2014. **‘Impact of Transaction Taxes on Commodity Derivatives Trading in India,’** ICRIER Working Paper 272, March 2014.
- **Ray, Saon;** Goldar, Amrita, and Swati Saluja, 2014. **‘Feedstock for the Petrochemical Industry,’** ICRIER Working Paper 271, February 2014.
- Meenu Tewari, **Saon Ray,** Sahana Roy Chowdhury, Indro Roy, Amrita Goldar, Zeba Aziz and Vidhya Unnikrishnan, 2013. **‘Economic Resilience of Cities in a Changing Climate.’** Policy Brief 6. ACCRN. UCCR Policy Brief, December 2013.
- **Ray, Saon,** Amrita Goldar and Smita Miglani, 2011. **‘Ethanol Blending Policy: Issues related to Pricing,’** ICRIER Policy Series No. 10, December 2011.

- **Ray, Saon;** Amrita Goldar and Smita Miglani, 2011. ‘**Ethanol Blending Policy In India: Demand and Supply Issues,**’ ICRIER Policy Series No. 9, December 2011.
- Nisha Taneja, **Saon Ray**, Neetika Kaushal and Devjit Roy Chowdhury, 2011. ‘**Enhancing Intra-SAARC Trade: Pruning India’s Sensitive List Under SAFTA,**’ ICRIER Working Paper 255, April 2011.
- **Ray, Saon**, 2005. ‘**The changing role of technological factors in explaining efficiency in Indian firms,**’ IEG Working paper E/261/2005.

Media Articles:

- **Saon Ray** (2020) ‘India Should Engage In GVCs In Plastics, Hosiery, Garment Sectors, Says Dr. Ray’ in World Trade Centre Newsletter, Mumbai, May 7, 2020.
- **Saon Ray** (2020) ‘Impact of COVID-19 on MSMEs’ video for World Trade Centre, Mumbai, April 20, 2020.
- **Saon Ray** and Vasundhara Thakur (2020) ‘Insurance sector announcements unlikely to influence penetration rates directly,’ Financial Express, 6 February 2020. With Vasundhara Thakur.
- **Saon Ray** (2020) ‘We need to improve our market access to gain from free trade pacts,’ Livemint, 14 January 2020.
- **Saon Ray** and Smita Miglani (2019) ‘How real is India’s electric vehicle dream?’, Article in the Automotive Products Finder (APF) Magazine, with Smita Miglani, October 2019.
- **Saon Ray** (2019) ‘What explains India’s poor performance in garments exports?’ Ideas for India, 28 August, 2019.
- **Ray, Saon**, (2019) ‘RBI’s Sandbox Rules Need More Clarity’ Financial Express, 3rd May, 2019.
- **Saon Ray**, ‘How to increase exports of garments from India?’ Indian Textile Journal. 2019.
- **Ray, Saon** and Smita Miglani, 2018. ‘Tariff retaliation: No winners in trade wars’, Financial express, June 26.
- **Ray, Saon** 2017. ‘Cooperation between India and China over the energy sector can keep the earth safe,’ WION News, September.
- **Ray, Saon** 2017. ‘Every city is unique’ ACCCRN Champion August – September Newsletter 2017.
- **Ray, Saon**, 2016. ‘Banning Chinese Goods: Nationalism, economic logic or bad call?’ WION, November 2016.
- **Ray, Saon** and Smita Miglani, 2016. ‘Start your engines: Automobile exports, comparing India and China,’ IGC blog, July 2016.
- Kaushal-Nagpal, Neetika Taneja, Nisha and **Saon Ray**, 2016. ‘India-Korea trade pact: Harnessing the potential in services,’ Ideas for India, May, 2016.
- **Ray, Saon** 2016. ‘India’s cities: limiting entrepreneurship?’ ACCRN blog, June 2016.
- **Ray, Saon** 2016. ‘Humanitarianism and resilience: engaging the private sector,’ ACCRN blog, May 2016.
- **Ray, Saon** and Miglani, Smita, 2015. ‘Impact of American Investment in India.’ Ideas for India. May 2015.
- **Ray, Saon** ‘India’s Textile Trade with Eurasia,’ Diplomatist, October 25, 2013.
- **Ray, Saon** ‘The intricacies of natural gas pricing in India,’ Financial Express, February 21, 2013. (with Amrita Goldar and Swati Saluja)
- **Ray, Saon** ‘CTT: Is It a desirable Move?’ Financial Express, February 11, 2013. (With Neha Malik)
- **Ray, Saon** ‘Ethanol Blending Policy in India: Demand and Supply Gaps,’ July-August 2011, Commodity Vision, TAER. (With Smita Miglani and Amrita Goldar)

- **Ray, Saon** ‘Institutions in Technology Transfer,’ November 2009, Commodity Vision, TAER
- **Ray, Saon** ‘Gainers and losers, post MFA,’ Hindu Business Line, May 20, 2005 (with Soumya K. Ghosh)
- **Ray, Saon** ‘FTAs: adding to the ‘spaghetti bowl of tariffs’, Hindu Business Line, March 14, 2005 (with Soumya K. Ghosh)

Reports

- ‘Study on liberalization of the insurance industry in India.’ Submitted to USIN Foundation in January 2020. (with Vasundhara Thakur and Kuntala Bandyopadhyay).
- ‘Study on RCEP goods and services’ Submitted to Ministry of Commerce and Industries, Government of India in November 2019. (with Anwarul Hoda, Durgesh K. Rai, Smita Miglani and Kuntala Bandyopadhyay).
- ‘Financing Resilience against natural disasters.’ Funded by Ministry of Finance, Government of India submitted in September 2019. (with Samridhi Jain and Vasundhara Thakur). Report released on 30th September 2019.
- ‘Effect of consumer finance on financial inclusion in India’. 2017-2018. Submitted in May 2018. (with Smita Miglani and Sandeep Paul).
- ‘Application of Innovative Technologies for Promoting Financial Inclusion’. Submitted to department of Economic Affairs, Ministry of Finance, Government of India in May 2018. (with Smita Miglani and Sandeep Paul).
- ‘De-carbonization of Indian Railways’ (with Kuntala Bandyopadhyay and T S Ramakrishnan). Submitted to FCO in June 2016. Report released on 22nd July, 2016.
- Enhancing India’s participation in Global Value Chains. Submitted to FCO, BHC in March 2015. (with Smita Miglani and Neha Malik)
- Low carbon pathways for Growth in India. Submitted to FCO, BHC in May 2015. (with Rajat Kathuria and Kuntala Bandyopadhyay)
- Reimagining India’s Urban Future: A Framework for Securing High Growth, Low Carbon, Climate Resilient Urban Development in India (with Tewari, M., Roy Chowdhury, S., Ray, I., Goldar, A., Aziz, Z., and Unnikrishnan, V., ICRIER Background Paper, Indian Council for Research on International Economic Relations, New Delhi. Report released on 3rd August, 2015.
- India-US Business to Business Relations: Addressing constraints to US FDI flows into India, (with Rahul Mongia). Indian Council for Research on International Economic Relations, New Delhi.
- Report on Impact of Transaction taxes on Commodity Derivatives Trading in India (with Neha Malik) Submitted to MCX in December 2013.
- Report on Strengthening the Textile and Clothing Sector in South Asia (with Prithvijit Mukherjee and Mishita Mehra) submitted to ADB in January 2013.
- Study on Petrochemicals Feedstock (with Amrita Goldar and Swati Saluja). Report submitted to CPMA in November 2012.
- Prospects for Enhancing Trade, Investment and Cooperation under the proposed India-Turkey FTA (with Arpita Mukherjee and Durgesh K Rai). Report submitted to the Ministry of Commerce in March 2011.
- Implications of Ethanol Blending Policy India (with Amrita Goldar and Smita Miglani). Report submitted to SIAM in February 2011.
- Making SAFTA Effective: An Approach to Prune Sensitive Lists in South Asia (with Nisha Taneja, Neetika Kaushal and Devjit Roy Chowdhury)). Report submitted to Konrad-Adenauer-Stiftung in January 2011.
- Co-authored ‘South Asia Development and Cooperation Report’ published by RIS in 2004.

- The Role of In-house R&D in Indian Industry: A Case Study of Chemicals and Electronics Sectors, Report submitted to the Department of Science & Technology, Govt. of India (with A. S. Ray and others) in 1999.

Projects Undertaken (at ICRIER):

- **‘Study on RCEP goods and services’ (Principal Investigator).** 2018-19. Funded by Ministry of Commerce and Industries, Government of India. (The Department of Commerce, Government of India, commissioned the comprehensive study on the impact analysis of RCEP for India to understand the possible gains and losses for the country in the RCEP).
- **‘Financing Resilience against natural disasters.’** (Principal Investigator). 2019. Department for International Development (DFID), UK and Department of Economic Affairs, Ministry of Finance, Government of India. (The objective of this study is to highlight measures that the G20 forum can adopt to strengthen the financial resilience of member countries to natural disasters.)
- **‘Study on liberalization of the insurance industry in India.’** (Principal Investigator). 2019. (This study traces the journey of the Indian insurance sector and identify the challenges facing the sector.)
- **‘Application of Innovative Technologies for Promoting Financial Inclusion’.** (Principal Investigator). 2017-18. Department for International Development (DFID), UK and Department of Economic Affairs, Ministry of Finance, Government of India. (The study examined the prospects for innovative technologies (blockchain and artificial intelligence) to understand their potential to contribute towards the goal of financial inclusion in the G20 countries).
- **‘Effect of consumer finance on financial inclusion in India’.** 2017-2018. (Principal Investigator). (The study looks at the case of the Indian consumer finance sector in improving financial inclusion in India).
- **‘China India Dialogue.’** 2016-17. Funded by New Climate Economy. (The focus of the dialogue is on developing shared analytical and research agendas around which to engage high-level political and business actors and to inform policy).
- **‘De-carbonization of Indian Railways’.** 2015-2016. (Principal Investigator). Funded by Foreign and Commonwealth Office, British High Commission. (This study estimates the growth in passenger and freight demand of Indian Railways in 2030-31 under three scenarios of GDP growth: optimistic, realistic and pessimistic and the energy required for passenger and freight transport, including in-vehicle electricity consumption, electricity energy consumed for hauling and electrical energy consumed in the hauling of non-suburban and suburban passenger transport).
- **‘Enhancing India’s participation in Global Value Chains.’** 2013-2015. (Principal Investigator). (in collaboration with University of Sussex). Funded by Foreign and Commonwealth Office, British High Commission. (This study examines India’s participation in global value chains through a better understanding of India’s positioning in the global production system).
- **‘Low carbon pathways for Growth in India.’** 2014-2015. (Principal Investigator). Funded by Foreign and Commonwealth Office, British High Commission. (This study provides an analysis of the realistic low carbon pathway that India could achieve while pursuing its development goals).
- **‘Impact of American Investment in India.’** 2013. (Principal Investigator). Funded by American Chambers of Commerce in India.

(The study investigates the socio-economic impact of US investment in India. A survey of American firms was conducted in Delhi NCR, Mumbai, Hyderabad and Bangalore.)

- **‘New Climate Economy.’ (Cities)** 2014. Funded by the Global Commission on the Economy and Climate.
- **‘Climate change and the Economic Competitiveness of Cities: Making the Business case for adaptation.’** 2012-2014. Funded by Rockefeller Foundation. (The aim of the study is to understand how and under what conditions can a city’s adaptation decisions also contribute to its economic competitiveness).
- **‘Impact of Taxes on Commodity Derivatives Transaction.’** 2012. (Principal Investigator). Funded by MCX. (This study examines the validity of the proposition that CTT generates revenue and examines the price and quantity effect and the effect on speculative activity due to imposition of the tax}.
- **‘Strengthening the Textile and Clothing Sector in South Asia.’** 2012. Funded by Asian Development Bank. (The study examined the firm-level strategies related to design, production and marketing and also identifies internal and external factors that have enabled firms to move up the value chain.)
- **‘Study on Petrochemicals Feedstock.’** 2011. (Principal Investigator). Funded by Chemicals and Petrochemicals Manufacturers Association. (This study examines the feedstock scenario for petrochemicals in India in terms of availability, pricing, regulatory and fiscal issues. It provides an illustrative per unit cost of production for ethylene produced from both naphtha and ethane for India).
- **‘Prospects for Enhancing Trade, Investment and Cooperation under the proposed India-Turkey FTA.’** 2010. Funded by Ministry of Commerce and Industries, Government of India. (The study examined the current and future trade flows between India and Turkey, identified the sectors of India’s trade interest and the areas of possible co-operation between the two countries).
- **‘Making SAFTA Effective: An Approach to Prune Sensitive Lists in South Asia.’** 2010. Funded by Konrad-Adenauer-Stiftung (KAS). (The objective of this study is to examine the commodities currently in the sensitive lists of India, and to offer an approach and economic rationale for pruning the sensitive lists maintained by India for Bangladesh, Sri Lanka and Pakistan.)
- **‘Implications of Ethanol Blending Policy India’,** (Principal Investigator). 2010. Funded by SIAM. (The study examines the rationale for the phase-wise implementation of the 5-20 per cent ‘Ethanol Blending Programme (EBP)’ in India).

Teaching experience

- TERI School of Advanced Studies (MA Public Policy and Sustainable Development (To Mid career Civil servants, Government of India) & (MBA (Infrastructure)) (2004-2009)),
- Jawaharlal Nehru University ((MA Economics) (1999-2001))

Courses taught:

- Mathematical Methods in Economics (1999, 2000, 2001)
- Statistics and Econometrics (1999, 2000, 2001)
- Advanced Econometrics (1999, 2000, 2001)
- Microeconomics (2001)
- Principles of Economics (2004, 2005, 2006, 2007)
- Competition Theory and Policy (2005, 2006, 2007, 2008)
- Globalization: Challenges for Development and Policy Making (2005)
- Public Finance and International Trade (2006, 2007)

- Basic course in Environmental and Resource Economics (2005)
- Economics of Regulation (2008)
- Development Studies (2008)

Other teaching experience

- Prosper.net at TERI University (TERI School of Advanced Studies). Developing e learning modules on Economic Reasoning for Public Policy for a web based course on Sustainable Development Practices in Public Policy in 2009.

On the Ph. d. committee (selected)

- An Analysis of Global Innovation Value Chains in the Indian Pharmaceuticals Industry – Jawaharlal Nehru University, Ongoing.
- Environmental Measures and its Effects on Indian Exports at TERI University – thesis submitted in January 2014.
- Policy Intervention Analysis: Adequacy of Post Project Monitoring Process in India and Barriers to its Effective Implementation –TERI University (TERI School of Advanced Studies). Submitted August 2009. Viva held.
- Diffusion modeling of selected Renewable Energy Technologies, Products and Applications in India. TERI University (TERI School of Advanced Studies). Submitted. Viva held.

Invited lectures

- Panelist at First South Asian Conference on Sustainability in Textile and Apparel Industry on 3rd March, 2020 at India International Centre, New Delhi. Presentation on **‘What explains India’s poor performance in garments exports: evidence from five clusters?’**
- **‘Implications of US- China trade war on Indian industry’** at India International Centre, New Delhi, 11th February, 2019.
- **‘AI and Blockchain in finance’** at Indian Institute of Management, Kolkata, 28th January, 2019.
- **‘Global Value Chains and the missing links’**, at South Asian University, New Delhi, October 26, 2018.
- Invited speaker on **“Global value Chains and Innovation Systems- the Role of Lead Firms”** at IndiaLICS organised by CSIR-NISTADS and RIS on November 7, 2017.
- Delivered lecture on **“GVCs and export dynamism”** at Manav Rachna University on January 17, 2017.
- Delivered lecture on **"A comparison of automobile industries in India and China"** at Mid Career Training Programme phase-I for Deputy Secretary level Indian Foreign Service Officers of 2004-2008 at the Foreign Service Institute, New Delhi on November 10, 2016.
- Invited lecture - National Finance Summit 2015 at Lal Bahadur Shastri Institute of Management, February 14, 2015 at New Delhi. Lecture on **“Risk assessment for firms in India in face of climate change”**
- Delivered lecture on **monopoly, cartels, and joint venture** at MDP organized by TERI University in New Delhi on 18th and 19th May, 2009.

- Delivered lecture on **International Trade, Globalization and Management: Differing Experiences** at TERI University-Freie Universitat conference on Environmental Governance in India and Europe, New Delhi, March 24, 2008.
- Delivered lecture on **Globalization and Sustainable Development** to ITEC participants on 18th November 2008 in Gurgaon, Haryana.
- Delivered lecture at the Delhi School of Economics Refresher course (**Competition Policy**) - March 2006.
- Guest lecturer at Academic Staff College, J.N.U., New Delhi in 2004 (**Measuring productivity using Data Envelopment Analysis**) and 2009 (**International trade, globalization and sustainable development**).

Papers presented

- Panelist at webinar ‘Managing Energy Transitions in Developing Countries’ organised by ICRIER and KAPSARC on 14th July, 2020. Presentation on **‘Energy challenges for India: Transitioning to a low carbon economy’**
- Presentation on **‘Global Value Chains and the Missing Links: Cases from Indian Industry’** on November 22, 2019 at the launch of the book Global Value Chains and the Missing Links at India International Centre, New Delhi.
- Presentation on **“Role of technology, innovation and technical efficiency for moving up the automotive value chain in India”** at consultation workshop in Delhi from 15 November 2019 under the project “UDAY-PRIDE (UNIDO-DHI-ACMA Yojana – Professionalism, Responsibility & Innovation in Driving Excellence) - Supporting Small and Medium-sized Manufacturers in the Automotive Component Industry in India.
- Presentation of the report **‘Financing Resilience of Natural Disasters’** at the Stakeholder Consultation and report release on 30th September, at New Delhi.
- Presentation on **‘Structural Transformation: Case Study of India,’** at the session Developers Dilemma, at WIDER Development Conference -Transforming Economies 11-13 September 2019, Bangkok. Organized by UNU-WIDER.
- Presentation of **‘Low Carbon Pathways for Growth in India’** at launch of book at IHC on 30th September at New Delhi.
- Panelist at panel discussion on the Union Budget 2019 at the British High Commission on Friday, July 26 at New Delhi on **“\$5tn economy by 2024: Is the 2019 budget moving in the right direction?”**
- Presentation on **“RCEP study on goods and services”** to Ministry of Commerce, 3rd June, 2019.
- Presentation on **“RCEP goods and services”** at Stakeholder Consultation organised by ICRIER in collaboration with WTC, Mumbai at Pune, 10th May, 2019.
- Presentation on **“Financing Resilience against Natural Disasters”** at Stakeholders’ Consultation at New Delhi, 3rd May, 2019.
- Presentation on **“RCEP goods”** at Stakeholder Consultation organised by ICRIER in collaboration with ICC at Kolkata, 10 April, 2019.
- Presentation on **“RCEP study on goods and services”** to Ministry of Commerce, 9 April, 2019.
- Presentation on **“RCEP study on goods and services”** to Ministry of Commerce, 1 April, 2019.
- Presentation on **‘Climate adaptation in manufacturing industries: lessons from Surat’** at seminar organized by ICRIER, 4th January, 2019.
- Presentation on **‘Deconstructing India’s imports: the role of intermediates’** at seminar organized by ORF, 11th September, Kolkata, 2018.

- Presentation on ‘**Application of Innovative Technologies for Promoting Financial Inclusion in India**’ at Stakeholder Consultation organized by ICRIER on 15th June, 2018 at New Delhi.
- Presentation on ‘**Impact of financial technology on payment and lending in Asia**’ at Workshop on ‘Digital Economy in Asia: What is it and How Can it Transform Asia?’ organized by AIC-RIS with ADBI at New Delhi on 21-22 February 2018.
- Presentation on ‘**Economic Development and Energy Consumption in India**’ at forum on “Conventional and New Energy cooperation among ancient Civilizations” organised by CNPC Economics & Technology Research Institute of China in collaboration with ICEC Council, India at Beijing, November 2017.
- “**Impact of Railways on Economic Growth in the BRICS**” on 18th April, 2017 at ICSSR Sponsored Project Workshop BRICS: Trans-Regional Cooperation from the Global South at JNU, New Delhi.
- Presentation on “**Energy**” at China India Dialogue 2016 at Beijing on August 18-19, 2016.
- Presentation on “**Decarbonisation of Indian Railways – demand side**” at report launch organized by ICRIER and Climate Policy Initiative with NCE, on July 22, 2016 at New Delhi.
- Presentation on “**Decarbonisation of Indian Railways – demand side**” at stakeholder workshop organized by ICRIER and Climate Policy Initiative, on June 22, 2016 at New Delhi.
- “**Upgrading in the Indian garment industry – a study of three clusters**” – paper presented at the 11th Annual Conference on Economic Growth and Development held at Indian Statistical Institute (ISI) Delhi on 17 - 19 December 2015.
- Presentation of “**GVC activity of Indian firms: summary of the findings from the survey**” on 16th March, 2015 and on “**Enhancing India’s participation in Global Value Chains**” on March 17, 2015 at Final Workshop on “Enhancing India’s Participation in Global Value Chains” at New Delhi.
- Presentation on “**Air quality and industry**” at workshop organised for Low Carbon Pathways for growth in India, April 10, 2015 at New Delhi.
- Presentation on “**Impact of American Investment in India**” at American Chamber of Commerce in India, Kolkata Chapter on June 30, 2014 at Kolkata.
- Presentation on “**India-US Business to Business Relations: Addressing constraints to US FDI flows into India**” on August 26, 2014 at New Delhi.
- Presentation at workshop on ‘**Global Value Chains and Trade in Value Added in India: Concepts, Measurement, Data and Research**’ on 3rd April 2014 at New Delhi. Presentation on Overview of the project and Findings from the Pilot Survey.
- Presentation on “**Impact of Transaction taxes on Commodity Derivatives Trading in India**” on December 23, 2013. Report co-authored with Neha Malik.
- Presentation on “**Economic Resilience of Cities in a Changing Climate**” at conference organized by ACCRN –TARU at New Delhi on December 10, 2013. Policy brief co-authored with Meenu Tewari, Sahana Roy Chowdhury, Indro Roy, Amrita Goldar, Zeba Aziz and Vidhya Unnikrishnan.
- Presentation on “**Collaboration between India and Korea in R&D**” at the 12th Indo-Korea dialogue held in New Delhi on October 24-25, 2013. Paper co-authored with Kavleen Chatwal.
- Presentation on “**SAFTA: Achievements and Challenges**” in **South Asia Economic Integration: A Strategic and Economic Appraisal**’ co-organised by the Regional Centre for Strategic Studies (RCSS), the Institute of Policy Studies (IPS), and the Regional Programme SAARC of the Konrad Adenauer Stiftung (KAS) in Colombo, Sri Lanka on June 10-12, 2013.

- Presentation on **“Firm Heterogeneity and Productivity: Evidence from Indian Manufacturing”** at national seminar on emerging issues in International Trade: Theory and Empirics, organized by Centre for Advanced Studies, Department of Economics, Jadavpur University, at Kolkata on March 21-22, 2013.
- Presentation on **“India and Pakistan Textile Sectors”** at the Annual Conference of Normalizing India Pakistan Trade, organized by ICRIER at New Delhi, March 14-15, 2013. Paper with Prithvijit Mukherjee and Mishita Mehra
- Presentation on **“Strengthening the Textile and Clothing Sector in South Asia: India report”** at Final Workshop for the project on Strengthening the Textile and Clothing Sector in South Asia, organized by ICRIER at New Delhi on November 16, 2012. Paper with Prithvijit Mukherjee and Mishita Mehra.
- Presentation on **“Indo-Korea cooperation in Petrochemicals”** at the 11th Indo-Korea dialogue at Seoul, October 17-18, 2012. Paper with Swati Saluja.
- Paper on **“Efficiency vs. Productivity: Two Sides of the same coin?”** At the 3rd Asia Pacific Innovation Conference at Seoul, October 13-14, 2012.
- Presentation on **“Strengthening the Textile and Clothing Sector in South Asia: India report”** at the inception workshop for the project on Strengthening the Textile and Clothing Sector in South Asia, organized by ICRIER at New Delhi on March 30, 2012.
- Paper on **“Opening India’s Garment sector to South Asia”**, presented at the Forum for Global Knowledge Sharing VI Annual International Conference on “Agglomeration, Technology Clusters, and Networks” on November 18-20, 2011 at Goa. Paper with Nisha Taneja and Neetika Kaushal.
- Presentation on **Investment in the Indo-Korea CEPA** at the 10th Indo-Korea dialogue at Chennai, November 8-9, 2011. Paper with Neetika Kaushal.
- Presentation on **Indo-Korea CEPA: Trade in Services** at the 10th Indo-Korea dialogue at Chennai, November 8-9, 2011. Paper with Nisha Taneja and Neetika Kaushal.
- Paper presented at National Conference on **Environmental Pollution: Data Gaps** organised by CSO at Jaipur, March 24-25, 2011.
- Presentation on **‘Making SAFTA Effective: An Approach to Prune Sensitive Lists in South Asia’** at the final workshop for the project Making SAFTA Effective: An Approach to Prune Sensitive Lists in South Asia, organised by ICRIER at New Delhi, on December 13, 2010.
- Presentation on **‘Implications of the Ethanol Blending Policy’** organised by the Stakeholders consultation on Implications of the Ethanol Blending Policy in India organised by Society of Indian Automobile Manufacturers on September 23, 2010
- Presentation on **‘India Turkey FTA: Implications for the Goods Sector’** at the Stakeholder consultation jointly organised by ICRIER and FICCI on July 28, 2010.
- Presentation on **‘Ten Years of the India Lanka Trade Agreement’** at the conference Ten Years of the ILFTA organised by at Colombo, on May 24-25, 2010.
- Presentation on **‘Making SAFTA Effective: An Approach to Prune Sensitive Lists in South Asia’** at the Inception workshop for the project Making SAFTA Effective: An Approach to Prune Sensitive Lists in South Asia, organised by ICRIER at New Delhi, on April 29, 2010.
- At 5th Annual Conference on Economic Growth and Development, Indian Statistical Institute, New Delhi, December 16-18, 2009. Paper entitled **“International technology Diffusion and Productivity”**.
- At International conference on Science, Technology, and Economy: Emerging and Developed countries. Forum for Global Knowledge Sharing conference at TISS, October 9-10, 2009, Mumbai. Paper entitled **“International technology Diffusion and Productivity”**.
- At Jawaharlal Nehru University CESP- DSA conference, Jan 31-Feb 2, 2008, New Delhi. Paper entitled **“International technology Diffusion and Productivity”**.

- At National Conference on Contemporary Issues in Development Economics, Jadavpur University, Dec 19-20, 2007, Kolkata. Paper entitled **“The Role of Market Power in Selecting Winners and Losers”**.
- At National Conference on Expanding Freedom: Towards Social and Economic Transformation in a Globalizing World, Institute of Economic Growth, April 11-13, 2007, Delhi. Paper entitled **“The Role of Market Power in Selecting Winners and Losers”**.
- At International Seminar on Present Scenario of Post Multi Fibre Agreement (MFA) – A Comparative Study of India and China, January 27-28, 2006, Nagpur. Paper entitled **“Moving up the Value Chain? The Indian textile Industry post MFA”**.
- At seminar on “The Future of the Global Economy: Regional Trajectories and Global Institutions” organized by CSH, New Delhi and ITD, SIS, JNU on March 15th-16th, 2004. Paper entitled **“Technological progress as an engine of growth in the EU”**.
- Medal finalist at the Global Development Network (GDN) Fifth Annual Global Development Conference held on January 28-30, 2004, at New Delhi for the Paper presented **“Economic reforms and efficiency of firms: the Indian manufacturing sector during the nineties”**.
- At conference on ‘Impact of Globalization on Indian Industry: Productivity, Efficiency and Growth’ at Institute of Economic Growth, Delhi, September 2003. Paper entitled **“MNEs, Strategic Alliances and Efficiency of Firms: Emerging Trends in the Liberalization Era”**.
- At conference on Models and Methods in Economics at Indian Statistical Institute, Kolkata in March 2003. Paper entitled **“Does Technology Transfer Depend on the Patent Regime? The implications of Weak Patent Regimes in Host Country”**.
- At the Institute of Economic Growth, in November 2002. Paper entitled **“The changing role of technological factors in explaining efficiency in Indian firms”**

Discussant /panel discussion

- Panelist at webinar ‘Carbon Market Simulation: Leveraging Markets for Emission Reductions in India’ organised by WRI on 19th May, 2020. Presentation on ‘MSMES, Emissions and carbon markets’
- Discussant at presentation of paper on ‘US trade 'Realignment': The impact of GSP withdrawal on India's top exports to the United States’ at Observer Research Foundation, New Delhi, February 14, 2020.
- Moderating the panel discussion ‘Financing Resilience of Natural Disasters’ on 30th September at New Delhi.
- Discussant of paper ‘Foreign direct investment and Technology’ by Dr Dibyendu Maiti (Delhi School of Economics) at Engineering Export Promotion Council (EEPC) seminar on 25 years of WTO-India partnership on 5-6 September 2019 at New Delhi.
- Discussant at Roundtable organised by Centre de Sciences Humaines, 16th May, 2019.
- Panelist, event on Clean and Renewable Energy, organized by AIIB, Ministry of External Affairs, Ministry of Finance, RIS, and FICCI at Bhopal, on 19th May, 2018.
- Roundtable discussion - 'Sustainable Development, Uncertainties, and India's Climate Policy: Pathways towards Nationally Determined Contribution and Mid-Century Strategy', organized by CEEW at New Delhi on 21st February 2018.
- Discussion on “India-U.S. Cooperation on Clean Energy and Climate Change” organized by CEEW and NRDC at New Delhi, February 22, 2017
- Panelist at discussion on “Urban Climate Change Resilience: Knowledge Sharing Workshop,” organized by NUIA on 16 December 2016 at New Delhi.
- Panelist at discussion on “Biofuels and implementation of the Ethanol Blending Programme” at the Release of the Paper “Fuel Blending in India: Learnings and Way

Forward” organized by The University of Petroleum and Energy Studies, Dehradun along with the Centre for Study of Science, Technology & Policy, Bangalore and PLR Chambers, New Delhi at New Delhi, December 9, 2016.

- Panelist at discussion on book "Labour in Global Value Chains in Asia" edited by Dev Nathan, Meenu Tewari and Sandip Sarkar. Cambridge University Press, 2016, at New Delhi, December 2, 2016.
- Panelist at discussion at Launch of World Bank Group’s report on “South Asia’s Turn: Policies to Boost Competitiveness and Create the Next Export Powerhouse” on November 10, 2016 at New Delhi.
- Panelist at discussion on “Sensitizing policy-making and practice” at Conference on ‘Enabling policy frameworks for climate resilient cities’ organized by TERI, with support from the Rockefeller Foundation, at New Delhi on July 8, 2016.
- Panelist at discussion on “Understanding existing and future use of resources in Indian automobile Industry” at workshop on ‘Resource Use and Efficiency Potential in Indian Automobile Industry’, organized by TERI and GIZ May 30, 2016 at New Delhi.
- Panelist at discussion on release of “Stitches to Riches” organized by World Bank and ICRIER at New Delhi on April 25, 2016.
- Discussion with Belgian delegation and Mayor of Leuven on “Smart Cities” organized by CEEW at New Delhi on April 19, 2016.
- Discussant at BP Energy Outlook 2035 organised by ICRIER and BP, March 9, 2016. New Delhi.
- Discussant at Seminar on “Inequality – Trends Worldwide and in India”, organized by ICRIER and UNU-Wider, 22 January 2016 at New Delhi.
- Panel discussion on ‘Strategic Framework for Cities: Linking Economic Performance and Climate Performance’ at FICCI - ICRIER Conference on "Strategies for Sustainable Development: Climate Action, Financial Reform on 3rd August, 2015 at New Delhi.
- Discussant at session on 'India's participation in GVCs' at International Conference on “A Stocktaking of India’s Trade Policy: Past, Present and Future” organised by the Jindal Global Law School, Jindal Global University and World Trade Institute, New Delhi, May 21-22, 2015.
- Discussant for paper on "Assessing India's Rise and the Road Ahead" by Samuel Bergenwall, at Fellows Seminar at IDSA, on 27 March, 2015 at New Delhi.
- Discussant at session on “Perspectives from India’s FDI Research Community” at NCAER workshop on Enhancing the Scope and Quality of Indian FDI Statistics on 10th March, 2015 at New Delhi.
- Panel discussion at Workshop on “Resilience” – An important aspect of Smart Cities organized by ACCRN, APCO and TARU, 9th December, 2014 at New Delhi.
- Workshop on Loss and Damage organized by International Institute for Environment and Development on 16-17 October, 2014 at New Delhi.
- Discussant in the Energy session at the 2nd Annual Conference for Normalizing Trade between India and Pakistan, organised by ICRIER, New Delhi, January 21-22, 2014.
- Meeting on BRICS, the trade and investment opportunities amongst the BRICS and the recent developments like the BRICS bank, organized by the US Embassy on 25th September, 2014 at New Delhi.
- Workshop on Loss and Damage organized by International Institute for Environment and Development on 16-17 October, 2014 at New Delhi.
- Panel discussion on Global Value Chains and Trade in Value Added in India: Concepts, Measurement, Data and Research’ on 3rd April 2014 at New Delhi.
- Panel discussion on “Regulatory Challenges for ICT sector in India” organized by Neeti Foundation at IIC, New Delhi on December 19, 2013.
- Panel discussion on “Green Investment” at the 8th CII Sustainability Summit, New Delhi, October 14-15, 2013.

- Discussant for paper by Pant and Mondal on “Productivity, Competition and Foreign Investment: A Case Study of Indian Manufacturing” at the conference on “Trade, Growth and Development: Two Decades of Reform in India and After” in Jawaharlal Nehru University, New Delhi on April 3-4, 2012.

Chair

- At seminar on Green Growth and the Right to Energy in India” by Dr. Rohit Azad, JNU on February 6, 2018.
- Seminar by Dr. Muthukumara Mani, *Lead Economist, South Asia Region, World Bank* on “South Asia’s Hotspots: How Climate Change will affect Living Standards” on July 14, 2017.
- Talk by Dr. Kaushik Deb, Head of Gas Analysis, BP Group Economics Team on the topic “BP Statistical Review of World Energy 2017” August 17, 2017.
- At The Indian Political Economy Association (IPEA)’s 21st Annual conference at the Indian Institute of Technology Delhi during 8-9 December 2017.
- Chaired talk on “Gender Parity and Leadership: Key to Growth and Development” by Kalpana Kochhar of IMF organised by ICRIER at New Delhi, on February 7, 2017
- Chaired presentation on “Metropolitan Water Governance in three Indian Mega Regions: Fragmentation and Consolidation in Mumbai and Chennai” by Bharat Punjabi, Munk School of Global Affairs, University of Toronto at ICRIER, New Delhi on December 21, 2016.
- Presentation of Energy Outlook 2035 by Dr. Kaushik Deb at ICRIER, March 19, 2015.
- Panel discussion on Low Carbon Pathways for Growth in India, January 13, 2015 at New Delhi. Speech by Sir David King on ‘Accelerating the transition to a Low Carbon Economy’ at New Delhi.
- Lecture on Asia’s Energy Challenge: Which Way Forward? by Minsoo Lee and Donghyun Park at ICRIER, September 8, 2014.
- Panel discussion at Workshop on “Low Carbon Pathways for Growth in India” on July 25, 2014 at New Delhi.
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Training program/ workshop /guest lecture

- Attended Global Value-Chain Training & Research Workshop Beijing 2015 organised by University of International Business and Economics and Center for International Development, Stanford University in Beijing, July 12-18, 2015.
- Attended UNCTAD / Jadavpur University research training programme on CGE modelling and Advanced CGE modelling in Kolkata in October 2008 and May 2009 respectively.
- Attended workshop on New Techniques in Applied Economic Research at the Institute of Economic Growth in New Delhi from 15th-17th December, 2008.
- Participated in workshop on “Productivity and Technical Efficiency: Recent Development in Theory and Applications” organized by the Department of Economics, Delhi School of Economics from 6th to 8th January, 2003.
- Attended Training Programme for Young Asian Economists on International Economics and Development, jointly conducted by Institute of Economic Growth, Delhi and Institute of Developing Economies, Tokyo at Institute of Economic Growth, Delhi, 10th -21st March 1997.

Other academic activities

Refereeing

- Ph.d. thesis evaluation for Jawaharlal Nehru University, 2020.

- IPCC Sixth Assessment Review, 2020.
- Book proposal review, Routledge, 2020.
- 3 Ph.D. thesis evaluation for Jawaharlal Nehru University, 2019.
- Ph.D. proposal examiner for “Determinants and Strategies for De-Carbonization of Indian Railways,” IGIDR, Mumbai, 2018.
- M. Phil Thesis evaluation for Jawaharlal University, 2018.
- Evaluated 3 Ph. d. thesis for Delhi University and Jamia Milia Islamia, 2017.
- Peer Review of the IFC Rapid Evidence Map for Automotive sector. For PWC. 2017.
- Review of Springer book proposal, 2017.
- Ph. D. thesis evaluation for Delhi University, January, 2015.
- Ph.D. thesis evaluation for Jawaharlal Nehru University, January 2014.
- M. Phil Thesis evaluation for Jamia Milia Islamia University, February 2012.
- M. Phil Thesis evaluation for Jawaharlal Nehru University, December 2010.
- Referee of papers for *Journal of Developing Areas*, *International Journal of Manufacturing Technology and Management*, *Resources Energy and Development*, *South Asia Economic Journal*, *Journal of South Asian Development*, *Decision*, *Journal of Quantitative Economics*, *Indian Economic Review* and *ESID working paper*.

Other academic activities

- Research Advisory Committee Expert for Ph.D. at CITD, JNU, 2018.
- Project Steering Committee of study on “Comparing renewable and fossil energy in India” by CPI, ISB and JNU. 2017.
- Editorial Committee of Harvest - The Journal (<http://www.harvestjournal.net/>)
- Thesis guide for Himadree Kaushik – thesis on “Global Value Chains – where India stands,” Submitted to BITS Pilani in May, 2015.
- Heading the Working Paper Committee at ICRIER from October 2013.
- Coordination of Rapporteuring activities of ICRIER from February, 2011 to October 2013.
- Expert for MBE Admission at Delhi University, South Campus. 2011 and 2010.
- Comment on United Nations System of Integrated Environmental Accounting (UN SEEA)’s methodology on Environmental accounting of Renewable Energy, October 2010.
- Participated in the 3rd Joint Study Group Meeting of the proposed India –Turkey FTA at the Ministry of Commerce, New Delhi, October 26-27 2010.
- Part of the ICRIER delegation to Ankara and Istanbul for consultation with Turkish counterparts for the Joint Study Group on the proposed India Turkey FTA, August 8-15, 2010.
- Developed new courses on Competition Theory and Policy, International Trade, and Development Studies at TERI University/TERI School of Advanced Studies.