

APARNA SAWHNEY (nee GUHA)
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Current Appointment

Professor, Centre for International Trade and Development, School of International Studies, Jawaharlal Nehru University, (2012-present).

Education

Ph.D. in Economics, Columbia University (1995). (*Supervisor: Professor Jagdish Bhagwati*)
M.A., Economics, Delhi School of Economics (1990). (*Ranked First class second in Part I, Delhi University*)
B.Sc., Economics, Lady Brabourne College, Calcutta University (1987). (*Ranked First class first in Part I, and first class third in Part II, Calcutta University*).

Honours

Member, Advisory Committee on Trade and Environment Issues, Trade Policy Division, Ministry of Commerce and Industry, Government of India, (2016-present).
External Expert, Consultative Committee on Trade and Environment, Ministry of Environment and Forest, Government of India, (2007-present).
Senior Visiting Fellowship, Department of Economics, University of Applied Sciences (HTW) Berlin, (2012). (Not availed)
President's Fellow, Columbia University, (1991-95).
University Fellowship, Columbia University, (1990-91).
Prof. Naqwi Memorial Scholarship, Delhi School of Economics, Delhi University, (1988-90).
Merit Scholarship, National Scholarship Scheme of the Government of India, (1988-90). (Not availed)
Pradip Kumar Ghosh Memorial Prize, Lady Brabourne College, (1987).

Professional Experience

Vice President, Indian Society for Ecological Economics (March 2020- present)
Chairperson, Centre for International Trade and Development, Jawaharlal Nehru University, (December 2015- January 2018)
Visiting Scholar, joint appointment in the Institute of Environment and Sustainability and the Luskin Center for Innovation, University of California, Los Angeles, (January-July 2011)
Associate Professor, Centre for International Trade and Development, Jawaharlal Nehru University (2006-2012)
Assistant Professor, Department of Economics, Indian Institute of Management Bangalore (2001-06, on leave 2004-06)
Consultant for World Bank (2009); Indian Council for Research on International Economic Relations (2001-10); International Centre for Trade and Sustainable Development, Geneva (2005); The Energy Research Institute, New Delhi (2003); Indian Institute of Foreign Trade (1998).
Visiting Faculty, Centre of International Trade and Development, Jawaharlal Nehru University (1997-99)
Senior Economist, Environmental Policy Cell, National Institute of Public Finance and Policy (1996-98).

Research Interests

International Trade; Renewable Energy, Environmental Goods and Services, Sustainable Development.

Publications

Book

1. *The New Face of Environmental Management in India* under the Ashgate Studies in Environmental and Natural Resource Economics, Ashgate Publishers, UK, (2004).

Papers in international peer-reviewed journals

2. "Striving towards a circular economy: climate policy and renewable energy in India", *Clean Technologies and Environmental Policy*, forthcoming, (2020)
3. "Sustainability and Comprehensive Wealth Accounting: The Case of India", (with Priti Agarwal), *Environment, Development and Sustainability*, forthcoming, (2020)
4. "Manufacturing agglomeration and export dynamics across Indian states", (with Piyali Majumder), *Indian Economic Review*, Volume 55, Issue 1, pages 2-26, (2020)
5. "FDI in Indian Manufacturing: Whither high-tech industries?", (with Rashmi Rastogi), *Economics Bulletin*, Volume 39, Issue 3, pages 2192-2209, (2019)
6. "Development Policy Implications for Growth and Regional Inequality in a Small Open Economy: The Indian Case" (with Alokesh Barua), *Review of Development Economics*, Volume 19(3): 695-709, (2015).
7. "Is India Specializing in Polluting Industries?" (with Rashmi Rastogi), *The World Economy*, Volume 38(2): 360-378, (2015).
8. "Examining the Regional Pattern of Renewable Energy CDM Power Projects in India" (with M. Rahul), *Energy Economics*, Volume 42: 240-247, (2014).
9. "Renewable Energy Policy: Addressing Climate Mitigation in India" *Review of Environmental Economics and Policy*, Volume 7, Number 2: 296-312 (2013).
10. "Understanding cross-national trends in high-tech renewable power equipment exports to the United States" (with Matthew E. Kahn), *Energy Policy*, Volume 46: 308-318, (2012).
11. "Examining tradeable permits with market power, banking and non-compliance: a finite period model" (with Susmita Mitra), *Economics Bulletin*, Volume 31, Number 2: 1265-1274, (2011).
12. "Rejuvenating SAARC: The Strategic Payoffs for India" (with Rajiv Kumar), *Global Economy Journal*, Berkley Electronic Press, Volume 8, Number 2, (2008).
13. "Quality Measures in Food Trade: The Indian Experience", *The World Economy*, Blackwell Publishing Volume 28 (3): 329-348, (2005).
14. "Internationalizing the Role of Domestic Pollution Permit Markets", *Eastern Economic Journal*, Volume XXII, Number 4: 449-456, (1996).

Chapters in edited volumes

15. "Tracking Efficiency of the Indian Iron and Steel Industry" (with Piyali Majumder) in F. Abergel, et al ed. *New Perspectives and Challenges in Econophysics and Sociophysics*, New Economic Windows Series, Springer: 203-209, (2019).
16. "Environmental Services in the EU-India BTIA and Beyond", in Arpita Mukherjee, Rupa Chanda and Tanu M. Goyal ed. *Trade in Services and Trade Agreements: The Case of India and the European Union*, Sage Publications India: pp 311-344, (2016).
17. "Growth of Clean Energy Capacity in India and Associated Technology Import" (with Susmita Mitra), in Manmohan Agarwal, Jiahua Pan and John Whalley ed. *Sustainability of Growth: The Role of Economic, Technological and Environmental Factors*, The World Scientific Asia and the World Economy series, Volume 1, World Scientific: 249-260, (2015).
18. "Indian Perspective on Clean Energy and Energy Efficiency" (with Meeta Mehra), in Parthasarathi Shome and Pooja Sharma ed. *Emerging Economies: Food and Energy Security, and Technology and Innovation*, Springer: 215-237, (2015).
19. "GATS Negotiations in Environmental Services: A developing country perspective with special reference to India", in Alokesh Barua and Robert Stern ed. *India and the WTO: Issues and Negotiating Strategies*, Orient Black Swan: 279-293, (2010).
20. "Questioning the Sustainability of India's Economic Growth", in Manmohan Agarwal ed. *India's Economic Future: Education, Technology, Energy and Environment*, Social Sciences Press-Berghahn Books, Oxford and New Delhi: 247-274, (2009).
21. "Environmental Compliance in India", in A. Tarantino ed. *Governance, Risk and Compliance Handbook: Technology, Finance, Environmental and International Guidance Best Practices*, chapter 29, Wiley Publishers, (2008).
22. "Environmental Services", chapter in Centre for Trade and Development book, R. Chanda ed. *India's Trade in Services: opportunities and challenges*, Wiley Publishers: 279-298, (2006).
23. "An Analysis of Factors Responsible for the Indian IT Export Sector Growth: Signaling Quality", in T. Thatchenkery and R. Stough eds. *Information Communication Technology and Economic Development: Learning from the Indian Experience*, Edward Elgar Publishing: 69-86, (2006).
24. "GATT/WTO and Environmental Provisions" in *Seattle and Beyond: The Unfinished Agenda*, (ed. B. Bhattacharyya), Indian Institute of Foreign Trade, 2000: 191-207.
25. "Development and the Environment" in Phillip O'Hara (ed.) *Encyclopedia of Political Economy*, Routledge, Volume 1: 196-99, (1999).

Papers in Indian journals

26. "Interface of Income, Health and Environment: An Econometric Investigation" (jointly with A. L. Nagar, Amit S. Ray, and Sayan Samanta) *Journal of Indian School of Political Economy* (2012).
27. "Addressing Barriers to Intra-SAARC Trade" (with Nisha Taneja, and Rashmi Rastogi), *Man and Development*, Volume 30, Number 1: 6776, (2008).
28. "WTO Environmental Negotiations and Sustainable Development", *Focus WTO*, Volume 8 (6), Indian Institute of Foreign Trade, April 2007: 1-6, (2007).

29. "Revitalizing SAARC Trade" (with Nisha Taneja), *Economic Political Weekly*, Volume 42, Number 13, 2007: 1081-1084, (2007).
30. "Greening Indian Businesses for the World Market", *Asian Economic Review*, Volume 46 (3): 413-442, (2004).
31. "Trade and Environment: Competing in a Global World" (with P.D. Jose), *IIMB Management Review*, Volume XV, Number 4, 2003: 89-91, (2003).
32. "Managing Pollution: Public Interest Litigation as Indirect Market-based Tool", *Economic and Political Weekly*, Volume XXXVIII, 1: 32-37, (2003).
33. "Preparing for Cancun Ministerial: The Environment Agenda", *Focus WTO*, IIFT, Volume 4 (5): 1-4, (2003).
34. "How Environmental Provisions Affect Asian Developing Countries", *IIMB Management Review*, Volume XV, Number 1: 11-18, (2003).

Other research publications

35. "Compliance dilemmas in Indian environmental policy", *East Asia Forum*, Crawford School of Public Policy, Australian National University, 10 October 2018.
(<http://www.eastasiaforum.org/2018/10/10/compliance-dilemmas-in-indian-environmental-policy/>)
36. "Is India becoming a waste haven of metal scrap?" (with Piyali Majumder) *MPRA Paper 67186*, University Library of Munich, (2015).
37. "What Attracts FDI in Indian Manufacturing Industries?" (with Rashmi Rastogi) *Berlin Working Papers on Money, Finance, Trade and Development 2/2014*, (2014).
38. *International Trade and Carbon Leakage: An Analytical Framework for India and Russia*, (with Meeta Mehra, Rashmi Rastogi and Piskulova Natalia), Virtual Institute, UNCTAD, (2011).
39. *Environmental Economics with an International Dimension* (with Sangeeta Bansal and Meeta Mehra), Virtual Institute UNCTAD, (2009)
40. *Why SAFTA?* (with Rajiv Kumar), Commonwealth Secretariat and CUTS International (2008).
41. "Building Supply Capacity for Environmental Services in Asia: The Role of Domestic and Trade Policies", *ICTSD Issue Paper No. 5*, International Centre for Trade and Sustainable Development, Geneva (2007).
42. *Liberalization of Environmental Services*. Indian country paper presented at the *Expert Meeting on Definitions and Dimensions of Environmental Goods and Services in Trade and Development*, Palais des Nations, Geneva, (2003).

Other Indian publications

43. *The Pattern of Inbound FDI in India in Dirty Sectors* (with Rashmi Rastogi), IEG Working Paper No. 374, Institute of Economic Growth, New Delhi, (2018).
44. *India-EU Trade and Investment Agreement: Environmental Services Sector Study*, Indian Council for Research on International Economic Research, New Delhi, (2008).

45. “WTO-Related Matters in Trade and Environment: Relationship between WTO Rules and Multilateral Environmental Agreements”, *ICRIER Working Paper 133*, and *WTO Research Series No. 5*, Indian Council for Research on International Economic Research, New Delhi, (2004).
46. “Urban Planning” in the *Karnataka State of The Environment Report 2003* (with K. Anantharamaih, R. Gowda, and S. Reddy), Department of Forest, Ecology and Environment, Government of Karnataka & World Bank: 201-216, (2004).
47. “Transport” in the *Karnataka State of The Environment Report 2003* (with K. Anantharamaih, R. Gowda, and S. Reddy), Department of Forest, Ecology and Environment, Government of Karnataka & World Bank: 99-114 (2004).
48. “Trade in Environmental Services: Opportunities and Constraints” (with Rupa Chanda), *ICRIER Working Paper # 103*, and *WTO Research Series No. 3*, Indian Council for Research on International Economic Research, New Delhi, (2003).
49. “A Review of Market-Based Instruments for Pollution Control: Implications for India” *NIPFP Working Paper 1997 #2*, National Institute of Public Finance and Policy, New Delhi.

Conference Presentations/ Lectures

Invited panelist and speaker on “Importance of policy in sustainable environmental management” in CSIR-NEERI Webinar on *Sustainable Environmental Management in the Post-COVID Economy*, organized by the Council of Scientific and Industrial Research and National Environmental Engineering Research Institute, 14 August 2020.

Invited lecture on “Trade and Environment: Challenges and Strategies of Developing Countries in Global Negotiations”, ITEC-SCAAP, Indian Technical and Economic Cooperation- Special Commonwealth Assistance for Africa Programme of the Ministry of External Affairs, organized by RIS, New Delhi, 28 February 2020.

Invited panelist and speaker on “The Role of Mathematics in Sustainable Development of Economies” at the Annual Academic Meet *Enigma*, Department of Mathematics, Lady Shri Ram College, New Delhi, 24 January 2020.

Invited lecture on “Green Economy: Role of Public Policy in Environmental Security” as Guest Speaker at *YESM 2020*, the Young Economist Students’ Meet in Jadavpur University, Kolkata, 8 January 2020.

Invited discussant on “Trade and Environment” in seminar on *25 Years of the WTO and India: A Retrospective*, India International Centre, organized by Engineering Export Promotion Council and RIS, New Delhi, 5-6 September 2019.

Presented paper on “Trade in Recyclable Waste: A Study of Steel Scrap Imports in India”, in the Annual International and Area Studies Convention on *Ascending India: Reflections on Global and Regional Dimensions*, Jawaharlal Nehru University, New Delhi, 30 January-1 February, 2019.

Invited Session Chair of “Trade Policy Issues and Their Implications” in the Sixth IIFT Conference on the *Empirical Issues in International Trade and Finance*, Indian Institute of Foreign Trade, New Delhi, 13-14 December, 2018.

Invited lecture on “Export Behaviour of Indian Manufacturing”, Department of Trade and Logistics, Graduate School of CAU, Chung-Ang University, Seoul, South Korea, 7 December, 2018.

Invited lecture on “2018 Nobel Prize in Economics: Environmental Economics and Climate Change”, at symposium on *The 2018 Nobel Prizes*, Jamia Hamdard University, New Delhi, 15 November 2018.

Invited presentation on “Sustainability Through Recycling: A Study of the Indian Steel Industry”, DAAD Workshop in Comparative Economic Development Studies, organized by University of Pretoria, HTW Berlin and Freie University Berlin, in Pretoria, South Africa, 10-14 September, 2018.

Invited lecture on “Trade in Environmental Goods and Services” in ITEC Course on Trade and Sustainability, Ministry of External Affairs organized by RIS, New Delhi, 12th July 2018.

Invited presentation on “Economics of Rising India”, Research Workshop at University of Agder, Kristiansand, Norway, 24 May 2018.

Invited presentation on “The Economics of Climate Change and Clean Energy: An Indian Perspective” at the *Europe-India Roundtable on Climate Change and Clean Energy*, University of Agder and Jawaharlal Nehru University, New Delhi, 19 March 2018.

Invited presentation on “Tracking Energy Efficiency of the Indian Iron and Steel Industry” at *the Econophysics and Asia Pacific Econophysics Conference 2017*, international conference organized by Jawaharlal Nehru University and University of Delhi, New Delhi 15-18 November, 2017.

Invited lecture on “Energy and Environment: India and China in Climate Change Mitigation” in the Pandit Hridaya Nath Kunzru Memorial Lecture Series, Jawaharlal Nehru University, New Delhi, 14 September 2017.

Invited seminar presentation on “Are recycling plants more energy-efficient? : Study of secondary steel manufacturing in India” at Indira Gandhi Institute of Development Research, Mumbai, 12th April 2017.

Invited speaker and presentation on “Data in International Economics” at the *Big Data Science* panel discussion organized by Heidelberg Central South Asia, Heidelberg University, Germany, and School of Computational and Integrative Sciences, Jawaharlal Nehru University in New Delhi, 11th April 2017.

Invited speaker on “Achieving Sustainable Development Goals in India” at the National Seminar on Environmental Concerns and Sustainable Development: An Indian Perspective”, Department of Economics, Jamia Milia Islamia University, New Delhi, 21-22 September 2016.

Invited speaker at *Stakeholders’ Meeting on Export of Green Energy Sector Products*, EEPC, Ministry of Commerce and Industry, New Delhi, 2 June 2016.

Invited lecture series (four) on “International Trade” in induction level training programme for Indian Economic Service Officer-trainees Batch 2015, Institute of Economic Growth, 16-18 February 2016.

Invited seminar presentation on “Regional Pattern of Renewable Energy CDM Power Projects in India” Central University of Finance and Economics, Beijing, China, 9 December, 2015.

Invited lectures on “Environmental Services Trade” and “Renewable Energy Policy in India”, Central University of Finance and Economics, Beijing, China, 7-8 December, 2015

Invited panelist in the workshop on “EU FLEGT and Timber Trade in South Asia”, organized by EU-European Forest Institute FLEGT Facility, Hotel Oberoi, New Delhi, 30 November 2015.

Invited seminar lecture “Testing for the Waste Haven Effect in India”, Delhi School of Economics, Delhi, 5 November 2015.

Invited discussant on “Negative Carbon Leakage: Evidence from South Asian Countries” and panelist for *Carbon Leakage and Climate Policy*, SANDEE Dissemination Workshop on *Carbon Embodied Trade and Trade Resistances*, organized by SANDEE and Delhi School of Economics, 13 August 2015.

Invited panelist in the Roundtable on *Cross border intra-regional timber trade in South Asia: India’s trade linkages with SAARC countries and Myanmar*, organized by European Forest Institute FLEGT Facility, New Delhi, 24 September 2014.

Invited discussant on “BP Statistical Review of World Energy 2014”, seminar organized by BP and ICRIER, India Habitat Centre, New Delhi, 1 July 2014.

Invited discussant on “Trade in the Pharmaceutical Sector” at the 2nd *Annual Conference on Normalizing India-Pakistan Trade* organized by ICRIER, India Habitat Centre, New Delhi, 21-22 January 2014.

Presented invited paper “What Attracts FDI in Indian Manufacturing? Examining Industry Characteristics”, *DAAD Partnership Workshop on Development Strategies*, Shanghai, November 11-15, 2013. (Paper also presented at the *IGIDR Silver Jubilee Conference* on “Trade and Industry in India: Patterns, Trends and Policies”, Mumbai, October 22-24, 2013)

Lecture on “Sustainability and Trade in Environmental Goods and Services”, programme on *Trade and Sustainable Development: Issues for developing countries*, Indian Technical and Economic Cooperation / Special Commonwealth Assistance for Africa Programme, Government of India, organized by TERI, New Delhi, November 25, 2013.

Invited panelist in brainstorming session on the “New Climate Economy Initiative” of the Global Commission, organized by ICRIER, New Delhi, November 19, 2013.

Roundtable discussant on “India’s economy and foreign policy”, India and Globalization Series, under the Initiative on the Future of India and South Asia, Hudson Institute, Washington D.C. held at the Imperial Hotel, New Delhi, October 14, 2013.

“Sustainability and Trade in Environmental Goods and Services”, programme on *Trade and Sustainable Development: Issues for developing countries*, Indian Technical and Economic Cooperation / Special Commonwealth Assistance for Africa Programme, Government of India, organized by TERI, New Delhi, November 26, 2012.

“Trade in Renewable Energy Equipment”, *NBER-ICRIER-NCAER Annual Neemrana Conference*, Neemrana, 16-18 December, 2011.

“Trade and Climate Change: Is this the new lever for climate actions?”, *South Asian Media Briefing Workshop on Climate Change*, organized by Centre for Science and Environment, New Delhi, November 16-17, 2011.

“Trade, WTO and Climate Change” in Seminar on *International Trade and Climate Change: Emerging Issues*, organized by RIS and ITPO, Ministry of External Affairs, New Delhi, 16 November, 2010.

“Trade, Technology and Climate Change”, *Seminar on Trade and Environment*, organized by Madras School of Economics and Ministry of Environment and Forest, Chennai, 26-27 October, 2010.

“India-Japan Partnership towards a Low-Carbon Economy: An Indian perspective”, *Opportunities for Global Partnership between India and Japan- Infrastructure, Environment and Finance*, organized by Japan Bank for International Cooperation and ICRIER, New Delhi, 13-14 September 2010.

“Why SAFTA?” in the Regional conference on *Services Trade Liberalization in South Asia and SAFTA*, organized by South Asian Network on Economic Modeling, Dhaka, Bangladesh, 23-24 January 2008.

“Role of SAARC in Asian Regionalism” at the *Expert Meeting on Regional Integration in Asia*, organized by International Trade Centre, Geneva and ICRIER, New Delhi, March 28-29, 2007.

“Environmental Services Sector in Developing Asia and Latin America”, *Delivering on Sustainable Development in the Environmental Goods and Services Negotiations*, Roundtable organized by ICTSD in Geneva, October 12-13, 2006.

“An Evaluation of Domestic and Trade Policies in Building Environmental Services Capacity in Asia: Balancing Diverse Interests and Priorities” at the *Asia Regional Dialogue on Environmental Goods and Services*, organized by the ICTSD, Boracay, Philippines, March 2-3, 2006.

“Liberalization in Environmental Services”, *Seminar on Trade Liberalization in Environmental Goods and Services*, organized by Ministry of Commerce and Industry, UNCTAD and TERI, New Delhi, May 16, 2003.

“Sanitary and Phytosanitary Measures in India”, *Seminar on Sanitary and Phytosanitary Measures*, organized by Asian Productivity Council, Tokyo, Japan, December 4th-11th, 2002.

“Environment and Trade: Emerging Issues for Asia”, Asia Regional Round Table *From Development Aid to Economic Cooperation: Converging Paths to Environmental Sustainability in Asia*, organized by Asian and Pacific Development Centre, Malaysia, July 2001.

Commissioned Policy Papers and Research Projects

Climate Change and Technology Transfer, commissioned by the World Bank and Department of Economic Affairs, Ministry of Finance, New Delhi, (2010).

Indian Perspective on Clean Energy and Energy Efficiency (with Meeta Mehra), commissioned by IDRC and Indian Council for Research on International Economic Research, New Delhi, (2010)

International Trade and Carbon Leakage: An Analytical Framework for India and Russia, (with Meeta Mehra, Rashmi Rastogi and Piskulova Natalia). Commissioned by Virtual Institute, UNCTAD, Geneva, (2009)

India-EU Trade and Investment Agreement: Environmental Services Sector Study, commissioned by Ministry of Commerce and Indian Council for Research on International Economic Research, New Delhi, (2008).

Why SAFTA? (with Rajiv Kumar), commissioned by Commonwealth Secretariat and CUTS International (2008).

Environmental Economics with an International Dimension (with Sangeeta Bansal and Meeta Mehra), chapters on “Environmental Goods and Services Market” and “Environmental Governance: Institutional Response”, study commissioned by the Virtual Institute UNCTAD, (2008).

“An Evaluation of Domestic and Trade Policies in Building Environmental Services Capacity in Asia: Balancing Diverse Interests and Priorities”, commissioned by the International Centre for Trade and Sustainable Development (ICTSD), Geneva.

“WTO-Related Matters in Trade and Environment: Relationship between WTO Rules and Multilateral Environmental Agreements”, commissioned by Ministry of Commerce and Indian Council for Research on International Economic Research, New Delhi.

Liberalization of Environmental Services. Commissioned by UNCTAD and TERI. Submitted as Indian country paper at the *Expert Meeting on Definitions and Dimensions of Environmental Goods and Services in Trade and Development*, Palais des Nations, Geneva, (2003).

“Trade in Environmental Services: Opportunities and Constraints” (with Rupa Chanda) commissioned by Ministry of Commerce and Indian Council for Research on International Economic Research, New Delhi.

“Urban Planning” and “Transport” for the *Karnataka State of The Environment Report 2003* (with K. Anantharamaih, R. Gowda, and S. Reddy), Department of Forest, Ecology and Environment, Government of Karnataka & World Bank.

Environment and Trade: Emerging Issues for Asia, commissioned by the European Commission, Economic Planning Unit of Malaysia and Asian Pacific Development Centre, (2001).

Trade-Environment Linkages: The Issues from Indian Standpoint, commissioned by the Ministry of Commerce and the Indian Institute of Foreign Trade, (1999).

Teaching Experience

Graduate courses:

At JNU:-

International Trade Theory (MA)

Pure Theory of International Trade (M Phil)

International Trade, Environment and Multilateral Institutions (MA)

Introduction to Statistics and Econometrics (MA)

Environmental Economics (MA)

Principles of Economic Organization (MA)

At IIM Bangalore:-

Managerial Economics

Microeconomic Foundations of Public Policy

Environment and Development

Environment and Business

Student Supervision

Ph.D. Supervision

Susmita Mitra “Mitigating Greenhouse Gases Through Emissions Trading: A Theoretical Analysis”, Jawaharlal Nehru University, (submitted 2012, awarded 2013)

Rashmi Rastogi “Testing for Pollution Haven Hypothesis in India-US Bilateral Trade since 1991”, Jawaharlal Nehru University, (submitted 2013, awarded 2014)

Priyanta Ghosh “Theory and Empirics of Firm Export Behaviour: Revisiting the Home Market Hypothesis” (submitted 2019)

Piyali Majumder “Industrial Agglomeration and Its Impact on the Environment: A Study of the Indian Manufacturing Sector” (*submitted 2019, awarded 2020*)

Priti Agarwal “Sustainable Development: An Empirical Analysis on India” (*ongoing*)

Ph.D. Co-Supervision

Samiridhi Bimal “International Trade and Foreign Direct Investment: Complements or Substitutes”, co-supervised with Prof. Manoj Pant (*submitted May 2019, awarded 2020*)

M. Phil Supervision

M. Rahul “Development of Renewable Energy under Clean Development Mechanism in India: 2004-2010”, Jawaharlal Nehru University, (*submitted 2012, awarded 2013*)

Piyali Majumder “Determinants of Metal-Bearing Waste Import in India”, Jawaharlal Nehru University, (*submitted 2014, awarded 2015*)

Komal Biswal “Certified Emission Reductions and the EU Emission Trading Scheme”, Jawaharlal Nehru University, (*submitted 2017, awarded 2018*)

Master’s Thesis Supervision

Radhika Piplani, "Border Carbon Adjustment: An Empirical Investigation into the Politics of Climate Change", TERI University, 2015-16 (Co-supervisor: Prof. Kanchan Chopra)

Arun Kumar Verma, “Indian Environmental Diplomacy: Focus and Framework”, Post Graduate Programme in Public Policy Management, IIM Bangalore, 2002-04, (Co-supervisor Prof. Rajeev Gowda)

Sharda Subramaniam “Environmental Audit”, Post Graduate Programme in Public Policy Management, IIM Bangalore, 2003-05, (Co-supervisor Prof. Rajeev Gowda)

Ph. D. External Examiner

Rahul Singh, Indian Institute of Management Bangalore (2020)

Prerna Prabhakar, Delhi University, New Delhi (2017)

Samraj K. Sahay, Institute of Economic Growth, New Delhi (2016)

Nilotpal Goswami, Indian Institute of Foreign Trade, New Delhi (2014)

C Nalin Kumar, Indian Institute of Technology, Chennai (2007)

Administrative and other Professional Services

Member, Environmental Task Force, Jawaharlal Nehru University (2016-present)

Member, Advisory Committee on Trade and Environment issues, Trade Policy Division, Department of Commerce, Government of India (September 2016- present)

Chairperson, Centre for International Trade and Development, Jawaharlal Nehru University, (December 2015- January 2018)

Member, Expert Committee for Environmental Economics curriculum, IGNOU (2016-17)

Coordinator for the DAAD Partnership on Economic Development Studies HTW Berlin (under UNCTAD Vi) at Centre for International Trade and Development, JNU, (2011- 2014).

UGC Remedial Programme Coordinator, Centre for International Trade and Development, JNU, (2009-13).

MA Coordinator, Centre for International Trade and Development, JNU, (2008-10, 2012-14).

Conference Convener, International Conference on *Trade, Growth and Development: Two Decades of Reform*

in India and After, Centre for International Trade and Development, JNU, April 3-4, 2012.

Chairperson, Financial Aid Committee, Indian Institute of Management Bangalore. (2002-04).

Course Director for Short-term General Management Programme for Indian Administrative Service Officers, IIM Bangalore, (2002, 2003).

Journal Referee

Energy Economics, Environment and Development Economics, Journal of International Development, The World Economy, Economics Bulletin, Climatic Change, Journal of Quantitative Economics, Economics and Politics, Management Review.