
C U R R I C U L U M V I T A E

O F

K. S. Kavi Kumar

E D U C A T I O N

Indira Gandhi Institute of Development Research (IGIDR) **1992-1998**
Mumbai, INDIA

Ph.D. awarded in October 1998 after successfully defending thesis titled *Modeling and Analysis of Climate Change Impacts on Indian Agriculture*.

Post Graduate Diploma in Development Policy awarded in July 1993 after successful completion of the graduate coursework in Economics.

Indian Institute of Technology (IIT) **1988 - 1990**
Kharagpur, INDIA

Master of Technology in *Industrial Engineering and Management*

Jawaharlal Nehru Technological University (JNTU) **1984 - 1988**
Kakinada, INDIA

Bachelor of Technology in *Mechanical Engineering*

A W A R D S / F E L L O W S H I P S / M E M B E R S H I P S

2014 -: Member of the Expert Committee on Access and Benefit Sharing, National Biodiversity Authority.

2014 -: Member of the Expert Committee on Climate Change, Ministry of Environment and Forests, Government of India

2012–2016: Member of the State Environmental Appraisal Committee, Government of Tamil Nadu

2011-2015: Member of the Core Group for the preparation of the State Action Plan on Climate Change, Tamil Nadu

2011–2014: Member of the Expert Committee for technical evaluation of Sponsored/Competitive Grants Component under 'National Initiative on Climate Resilient Agriculture' launched by ICAR

2007–2015: Member-secretary of the Steering Committee of **Centre of Excellence in Environmental Economics** - funded by the Ministry of Environment and Forests, Government of India.

2006–2011: Member of the **Indian National Committee** for the India-IIASA Program, TIFAC, Department of Science and Technology, Government of India.

2006: **Visiting Scientist** at Potsdam Institute for Climate Impact Research, Germany to work on PIK and SEI joint project FAVAIA – Formal Approaches to Vulnerability Assessment that Informs Adaptation, May – June.

2004: **Visiting Scientist** fellowship to visit Potsdam Institute for Climate Impact Research, Germany from **START: The global change SysTem for Analysis, Research, and Training, Washington, D.C.**, October-December.

2001: **Young Scientist** award for South Asia region from **START: The global change SysTem for Analysis, Research, and Training, Washington, D.C.**

1997: Fellowship for the **Ph.D. Internship Program** at the **United Nations University/Institute of Advanced Studies (UNU/IAS), Tokyo**, March-November.

1994: Fellowship for **Associate** in the Food and Agriculture Program at **International Institute for Applied Systems Analysis, Austria**, November-December.

R E S E A R C H / W O R K E X P E R I E N C E

Professor at **Madras School of Economics**, Chennai: **July 2007 till date**.

Visiting Researcher at **Indira Gandhi Institute of Development Research**, Mumbai: **May 2017**.

Associate Professor at **Madras school of Economics**, Chennai: **April 2002 to July 2007**.

Visiting Scientist at **Potsdam Institute for Climate Impact Research**, Potsdam: **October-December 2004**.

Assistant Professor at **Madras school of Economics**, Chennai: **October 1999 to April 2002**.

Research Associate in Environmental Economics Unit at **Institute of Economic Growth**, Delhi: **February 1999 to October 1999**.

Research Associate in Centre for Global Environmental Research at **Tata Energy Research Institute**, New Delhi: **May 1998 to February 1999**.

Consultant to the **GIZ (Deutsche Gesellschaft fur Internationale)**, New Delhi, **August-November 2015**.

Consultant to the **GIZ (Deutsche Gesellschaft fur Internationale)**, New Delhi, **August-September 2012**.

Consultant to the **Global Development Network**, New Delhi, **June 2011 to December 2012**.

Consultant to the **World Bank**, Washington D.C., **November 2008 to June 2009**.

Consultant to the **World Bank**, Washington DC, **May to August 1997**.

Consultant to the **World Bank**, Washington DC, to work on a project to assess Climate Change Impacts on Indian Agriculture: **March 1996 to May 1997**.

Associate in Food and Agriculture Program at **International Institute for Applied Systems Analysis**, Austria: **November-December, 1994**.

Assistant Manager in Management Services Division of **Alloys Steel Plant, Steel Authority of India Limited**, Durgapur: **1990-1992**.

P U B L I C A T I O N S (J O U R N A L S / B O O K S)

K.S. Kavi Kumar (ed.) (2018), 'A Study of India's Textile Exports and Environmental Regulations', Springer, January.

Anneboina, L.R. and **K.S. Kavi Kumar** (2017), 'Economic Analysis of Mangrove and Marine Fishery Linkages in India', *Ecosystem Services*, 24, 114-123.

Shanmugam, K.R. and **K.S. Kavi Kumar** (ed.) (2016), 'Environment and Development: Essays in Honour of Dr. U. Sankar', Sage Publications, New Delhi, January.

- B. Viswanathan and **K.S. Kavi Kumar** (2016), 'Use of Kerosene for Cooking in India: Recent Trends and Environmental Implications', *Review of Development and Change*, XXI(1), 65-87.
- L.A. Acosta, D.B. Magcale-Macandog, **K.S. Kavi Kumar**, X. Cui, E.A. Eugenio, P.B.M. Macandog, A.R. Salvacion, and J.M.A. Eugenio (2016), 'The Role of Bioenergy in Enhancing Energy, Food and Ecosystem Sustainability Based on Societal Perceptions and Preferences in Asia', *Agriculture*, 6 (19).
- L.R. Anneboina and **K.S. Kavi Kumar** (2016), 'Caught in the Net: Fish Consumption Patterns of Coastal Regions in India', *Economic and Political Weekly*, 19, May 7.
- B. Viswanathan and **K.S. Kavi Kumar** (2015), 'Weather, Agriculture and Rural Migration: Evidence from State and District Level Migration in India', *Environment and Development Economics*, <http://dx.doi.org/10.1017/S1355770X1500008X> .
- Srivastava, D.K. and **K.S. Kavi Kumar** (ed.) (2014), *Environment and Fiscal Reforms in India*, Sage Publications, New Delhi, January.
- Kavi Kumar, K.S.** and B. Viswanathan (2014), "Household Level Pollution in India: Patterns and Projections", in S. Janakarajan, L. Venkatachalam, and R. Maria Saleth (ed.) *Indian Economy in Transition: Emerging Issues and Challenges-Essays in Honor of C.T. Kurien*, SAGE Publications, December.
- Kavi Kumar, K.S.** (2014), 'State of Environment', in V.K. Natraj and A. Vaidyanathan (ed.) *Development Narratives: The Political Economy of Tamil Nadu*, Academic Foundation, New Delhi.
- Pattanayak, A. and **K.S. Kavi Kumar** (2014), 'Weather Sensitivity of Rice Yield: Evidence from India', *Climate Change Economics*, 5(4).
- Pattanayak, A. and **K.S. Kavi Kumar** (2014), 'Accounting for Impacts due to Climate Change in GHG Mitigation Burden Sharing', *Climate Policy*, [10.1080/14693062.2014.962468](https://doi.org/10.1080/14693062.2014.962468).
- Kavi Kumar, K.S.** and B. Viswanathan (2013), "Influence of Weather on Temporary and Permanent Migration in Rural India", *Climate Change Economics*, 4(2).
- Kavi Kumar, K.S.** and B. Viswanathan (2013), 'Household Level Pollution in India: Patterns and Projections', *Climate and Development*, 5(4): 288-304.
- Kavi Kumar, K.S.** (2013), "Climate Sensitivity of Indian Agriculture: Role of Technological Development and Information diffusion", in N. Ghosh and C.S.C. Sekhar (ed). "The Future of Indian Agriculture: Technology and Institutions", Academic Foundation, New Delhi.
- Kavi Kumar, K.S.** (2012), "Climate Change – Adaptation and Mitigation Policies in India", in D.K. Srivastava and U. Sankar (ed.) "Development and Public Finance: Essays in Honour of Raja J. Chelliah", Sage Publications, New Delhi.
- Kavi Kumar, K.S.** (2011), "Climate Sensitivity of Indian Agriculture: Do Spatial Effects Matter?", *Cambridge Journal of Regions, Economy and Society*, 4(2): 221-235.
- Balasubramaniam, I. and **K.S. Kavi Kumar** (2010), "Climate Variability and Agricultural Productivity: Case Study of Rice Yields in Northern India", *Contributions to Indian Social Science*, Vol. 29(3&4), July-December.

- Kavi Kumar, K.S.**, Priya Shyamsundar and A. Nambi (2010), "The Economics of Climate Change Adaptation in India – Research and Policy Challenges Ahead", *Economic Political Weekly*, May 1.
- Kavi Kumar, K.S.** (2010), "The Challenge of Adaptation", *Seminar*, February.
- Kavi Kumar, K.S.** (2009) "Climate Change: Negotiations and Adaptation Policy", in *Handbook of Environmental Economics in India*, Oxford University Press, pp. 284-300
- Ionescu, C., R.J.T. Klein, J. Hinkel, **K.S. Kavi Kumar**, and R. Klein (2009): 'Towards a Formal Framework of Vulnerability to Climate Change', *Environmental Modeling and Assessment*, 14(1), 1-16.
- Kavi Kumar, K.S.**, M. Ramachandran, and B. Viswanathan (2008), "What Characterises Women Vulnerable to Chronic Energy Deficiency?", *Social Indicators Research*, 90(3).
- Rosa Abraham and **K.S. Kavi Kumar** (2008), "Multidimensional Poverty and Vulnerability: Relative Ranking of Indian States", *Economic and Political Weekly*, May 17.
- Lilibeth Acosta-Michlik, **K.S. Kavi Kumar**, R.J.T. Klein, and S. Campe (2008): "Application of Fuzzy Models to Assess Susceptibility to Droughts from a Socio-economic Perspective", *Regional Environmental Change*, 8(4), 151-160.
- Kavi Kumar, K.S.** and B. Viswanathan (2008) "Vulnerability to Globalization in India: Relative Rankings of States using Fuzzy Models", in M. Nissanke and E. Thorbecke (ed.) *Globalization and the Poor in Asia: Can Shared Growth be Sustained?*, Palgrave Macmillan,
- Kavi Kumar, K.S.** and B. Viswanathan (2007), "Changing Structure of Income Indoor Air Pollution Relationship in India", *Energy Policy*, 35(1).
- Lilibeth Acosta-Michlik, F. Eierdanz, J. Alcamo, D. Kromker, F. Galli, R.J.T. Klein, **K.S. Kavi Kumar**, S. Campe, A. Carius, and D. Tanzler (2006), "An Empirical Application of the Security Diagram to Assess the Vulnerability of India to Climatic Stress", *Die Erde*, 137 (3).
- Kavi Kumar, K.S.** and S. Tholkappian (2006), "Relative Vulnerability of Indian Coastal Districts to Sea Level Rise and Climate Extremes", *International Review of Environmental Strategies*, Vol. 6, No.1.
- Viswanathan, B. and **K.S. Kavi Kumar** (2005), "Cooking Fuel Use Patterns in India: 1983-2000", *Energy Policy*, Vol. 33, No. 8.
- Babu, P.G., **K.S. Kavi Kumar**, and B. Saha (2003) "Clean Development Mechanism: Issues and Options", in Toman, M. (ed.) *India and Global Climate Change: Perspectives on Economics and Policy from a Developing Country*, Johns Hopkins University Press, Baltimore.
- Kavi Kumar, K.S.** (2003) "Climate Change Impacts on India", in Toman, M. (ed.) *India and Global Climate Change: Perspectives on Economics and Policy from a Developing Country*, Johns Hopkins University Press, Baltimore.
- Kavi Kumar, K.S.** and J. Parikh (2001), "Socio-economic Impacts of Climate Change on Indian Agriculture", *International Review of Environmental Strategies*, Vol. 2, No. 2.
- Kavi Kumar, K.S.** and J. Parikh (2001), "Indian Agriculture and Climate Sensitivity", *Global Environmental Change*, 11(2).

- Babu, P. G., **K. S. Kavi Kumar** and N. S. Murthy (1997), "An Overlapping Generations Model of the Resource Consumption and Stock Pollution", *Ecological Economics*, Vol. 21, No. 1.
- Parikh, J., P.G.Babu, and **K.S. Kavi Kumar** (1997), "Climate Change, North-South Cooperation and Collective Decision Making: Post- Rio", *Journal of International Development*, 9(3).
- Arrow, K., J. Parikh, J. Pillet, and K.S. Parikh, P.G. Babu, **K.S. Kavi Kumar** and others (1996), "Decision Making Framework to Address Climate Change", Chapter 2 of IPCC WG III, Second Assessment Report, Cambridge Univ. Press, Cambridge, U.K.
- Arrow, K., J. Parikh, J. Pillet, and P.G. Babu and **K.S. Kavi Kumar** (1996), "Decision Making Framework to Address Climate Change", in N.S.S. Narayana and A. Sen (eds.) *Poverty, Environment and Economic Development*, Interline Publications Pvt. Ltd., Bangalore, India.

M O N O G R A P H S / W O R K I N G P A P E R S (S E L E C T E D)

- A. Pattanayak and **K.S. kavi Kumar** (2017), "Does Weather Sensitivity of Rice Yield Vary across Regions? Evidence from Eastern and Southern India", MSE Working Paper 162, MSE, Chennai.
- Kavi Kumar, K. S.**, Anneboina, L. R., Bhatta, R. C., Naren, P., Nath, M., Sharan, A., Mukhopadhyay, P., Ghosh, S., Costa, V. da, and Pednekar, S. (2016), "Valuation of Coastal and Marine Ecosystem Services in India: Macro Assessment", MSE Monograph 35/2016, MSE, Chennai.
- L.R. Anneboina and **K.S. Kavi Kumar** (2016), "Benefits of Coastal Shipping: Scope for Sea Change in Domestic Freight", MSE Working Paper 147, MSE, Chennai.
- K.S. Kavi Kumar**, R.S. Soundar Rajan, and R. Manivasagan (2015), 'Biofuel Feedstock Cultivation in India: Implications for Food Security and Rural Livelihoods', MSE Working Paper 105/2015, MSE, Chennai.
- Srivastava, D.K., K.R. Shanmugam, **K.S. Kavi Kumar**, and M. Saripalle (2014), 'Fiscal Instruments for Climate Friendly Industrial Development in Tamil Nadu', MSE Monograph 28/2014, MSE. Chennai.
- Viswanathan, B. and **K.S. Kavi Kumar** (2013), 'Weather Variability, Agriculture and Rural Migration: Evidence from State and District Level Migration in India', Working Paper No. 83-13, The South Asian Network for Development and Environmental Economics, Kathmandu, December.
- Kavi Kumar, K.S.**, K. Karunagoda, E. Haque, L. Venkatachalam, and G.N. Bahal (2013), 'Addressing Long-term Challenges to Food Security and Rural Livelihoods in South Asia', Working Paper No. 66, Global Development Network, New Delhi, June.
- Kavi Kumar, K.S.**, B. Viswanathan, Z. Begum (2013), "Estimation of Wood Demand and Supply in Tamil Nadu", Monograph No. 24, Madras School of Economics, Chennai.
- Kavi Kumar, K.S.**, R. Sengupta, M. Saleth, K.R. Ashok and R. Balasubramanian (2012), "Green Economy: Indian Perspective", Monograph No. 23, Madras School of Economics, Chennai.
- Srivastava, D.K. and **K.S. Kavi Kumar** (2012), "Integrating Eco-taxes in the Goods and Services Tax Regime in India", Monograph No. 16, Madras School of Economics, Chennai.

- Srivastava, D.K. and **K.S. Kavi Kumar** (2011), "Impact of Fiscal Instruments in Environmental Management through a Simulation Model: Case Study of India", Monograph No. 14, Madras School of Economics, Chennai.
- Srivastava, D.K. **K.S. Kavi Kumar** and C. B. Rao (2011), "Coping with Pollution: Eco-taxes in a GST Regime", Monograph No. 12, Madras School of Economics, Chennai.
- Srivastava, D.K., **K.S. Kavi Kumar** and C.B. Rao (2010), "Economic Instruments for Environmental Management: International Best Practices and Applicability to India", Monograph No. 10, Madras School of Economics, Chennai.
- Kavi Kumar, K.S.** (2009), "Climate Sensitivity of Indian Agriculture: Do Spatial Effects Matter?", Working Paper No. 45-09, South Asian Network for Development and Environment (SANDEE), November.
- Kavi Kumar, K.S.**, R.J.T. Klein, C. Ionescu, J. Hinkel, and R. Klein (2007), "Vulnerability to Poverty and Vulnerability to Climate Change: Conceptual Framework, Measurement and Synergies in Policy", Working Paper No. 19, Madras School of Economics.
- Kavi Kumar, K.S.** and Brinda Viswanathan (2006), "Vulnerability to Globalization in India: Relative Rankings of States using Fuzzy Models", Research Paper No. 2006/40, WIDER, Helsinki.

P R E S E N T E D A T C O N F E R E N C E S / S E M I N A R S
(S E L E C T E D)

- Kavi Kumar, K.S.** (2017): "Climate Impacts and Adaptation in India – What is required?", talk at 8th International Conference on Climate Change, TISS, Mumbai, 4-5 August.
- Kavi Kumar, K.S.** (2017): "Climate Change: Economics and Policy", talk at *Summer@IGIDR Program*, IGIDR, 26th May.
- Kavi Kumar, K.S.** (2016): "Reflections on the New Climate-Economy Literature", presentation at Workshop on Climate Change and Agriculture in India, Indian Statistical Institute, Bangalore, 28th March.
- Kavi Kumar, K.S.** (2015): "Kerosene Consumption in India: Welfare and Environmental Issues", paper presented at International Workshop organized by the Centre for Research on the Economics of Climate, Foods, Energy and Environment (CECFEE), Indian Statistical Institute, New Delhi, 2-3 November.
- Kavi Kumar, K.S.** (2015), "Climate Change: Economics and Policy", Prof. M. Madaiah Felicitation Committee Endowment Lecture, Department of Studies in Economics and Co-operation, University of Mysore, 6th January
- Kavi Kumar, K.S.** (2013): 'Weather Variability, Agriculture and Migration in India', seminar at the 4th National Research Conference on Climate Change, IIT-Madras, 26-27 October.
- Kavi Kumar, K.S.** (2013): "Climate Change and Agriculture: Impacts, Vulnerability and Adaptation", invited talk at ICRISAT, Hyderabad, 8th October.
- Kavi Kumar, K.S.** (2013): "Weather, Agriculture and Migration: Evidence from India and China", paper presented at CASS-ICSSR Joint Seminar on *Sino-Indian Cooperation: New Opportunities and New Ideas*, 17-18 April, Beijing.
- Kavi Kumar, K.S.** (2012): "Weather Variability and Agriculture: Implications for Long and Short-term Migration in India", seminar given at MSE-LUMS Conference, 19-21 November, Chennai; also at Delhi Economic Conclave, 19-20 December, New Delhi.

- Kavi Kumar, K.S.** (2012): "Addressing Long-term Challenges to Food Security and Rural Livelihoods in South Asia", paper presented at GDN Regional Workshop, 22-22 October, Colombo.
- Kavi Kumar, K.S.** (2011): "Reflections on 'Vulnerability' in Climate Change Context", seminar given at Indira Gandhi Institute of Development Research, 23 November, Mumbai.
- Kavi Kumar, K.S.** (2011): "Climate Sensitivity of Indian Agriculture: Do Spatial Effects Matter?", seminar given at Griffith Asia Institute, Griffith University, 4th May.
- Kavi Kumar, K.S.** (2010): "Household Level Pollution in India: Patterns and Projections", paper presented at *SANDEE@10: Environment and Development in South Asia*, Kathmandu, 6-7, December; also at *MIDS-ICSSR National Seminar on 'Indian Economy in Transition: Prospects, Issues and Concerns'*, Chennai, 10-11 February.
- Kavi Kumar, K.S.** (2010): "The Challenge of Climate Change Adaptation: Conceptualization and Cost Estimates", paper presented at *Conference to Honor Prof. Kirit Parikh on the Occasion of his 75th Birthday*, IGIDR, Mumbai, 26-27, October.
- Kavi Kumar, K.S.** (2010): "Towards Effective Climate Adaptation – Issues and Research Priorities", invited talk at *National Research Conference on Climate Change*, jointly organized by IIT-Delhi, IIT-Madras and CSE at IIT, Delhi, 5-6 March.
- Kavi Kumar, K.S.** (2010): "Climate Sensitivity of Indian Agriculture", invited talk at the *National Symposium on Climate Change and Rainfed Agriculture*, Central Research Institute for Dryland Agriculture, 18-20 February, Hyderabad.
- Kavi Kumar, K.S.** (2010): "Design and Focal Areas for Adaptation Research", invited talk at the Climate Change workshop organized to identify Global Research Project/Programs at Global Development Network annual conference 2010, 15th January, Prague.
- Kavi Kumar, K.S.** (2009): "Climate Change and Adaptation: Concepts and Issues", paper presented at the ORF-RLS International Conference on *Sustainable Development and Climate Change*, Observer Research Foundation, New Delhi, 24-25 September.
- Kavi Kumar, K.S.** (2009): "Economics of Climate Change: Developing Country Perspective", Special session on *The Climate Change: Sustaining Development Progress in a Warming World*, held on the sidelines of the 10th Annual Global Development Conference, Kuwait, 1-2 February.
- Kavi Kumar, K.S.** (2009): 'Climate Sensitivity of Indian Agriculture', paper presented at *IV Congress of the Latin American and Caribbean Association of Environmental and Natural Resource Economics*, Heredia, Costa Rica, 19-21 March
- Kavi Kumar, K.S.** (2008): 'Indian National Policies from Climate Change Perspective', Invited talk at Climate Change India 2008, 22-23 April 2008, World Institute of Sustainable Energy, Pune.
- Kavi Kumar, K.S.** (2007): 'Economic Impacts of Climate Change on Indian Agriculture', Invited talk at Tamil Nadu Agricultural University, Coimbatore, 23 August.
- Kavi Kumar, K.S., R.J.T. Klein, C. Ionescu, J. Hinkel, and R. Klein** (2007): 'Vulnerability to Poverty and Vulnerability to Climate Change: Conceptual Framework, Measurement and Synergies in Policy', *Fragile States – Fragile Groups: Tackling Economic and Social Vulnerability*, WIDER, Helsinki, 15-16 June.

- Kavi Kumar, K.S.** and B. Viswanathan (2006): 'Vulnerability Assessment Using Fuzzy Inference Systems', 2006 South and South East Asia Econometric Society Meeting, IFMR, 18th December.
- Kavi Kumar, K.S.** (2006): "Vulnerability to Chronic Energy Deficiency: An Empirical Analysis of Women in Uttar Pradesh", *PIRSIQ Lecture* at Potsdam Institute of Climate Impact Research, Potsdam, 8th June.
- Kavi Kumar, K.S.** (2005): "Climate Change Impacts on Indian Agriculture and Adaptation", Invited Talk at the First Workshop on Impact Assessment of *Project Atmospheric Brown Cloud*, Bangkok, 7-8 December.
- Kavi Kumar, K.S.** (2005): "Climate Change Impacts, Vulnerability and Adaptation: Developing Country Perspective", Invited Talk at Energy Modeling Forum Workshop on *Critical Issues in Climate Change*, Snowmass, 27 July to 2 August.
- Kavi Kumar, K.S.** (2005): "Towards Formal Framework of Vulnerability to Climate Change", Seminar at Institute for Mathematical Sciences, Chennai, 20 July.
- Kavi Kumar, K.S.** (2002), "Climate Change Impacts on Indian Agriculture", *Indian German Perspectives on Climate Change*, organized by Indo German Forum on International Environmental Governance, at Potsdam Institute for Climate Impact Research, Potsdam, September 25-27.
- Kavi Kumar, K.S.** and J. Parikh (1997), "Climate Change Impacts on Indian Agriculture: Results from Ricardian Approach", and "Potential Impacts of Global Climate Change on Indian Agriculture: Results from Crop-Simulation Modeling Exercise", *Measuring the Impacts of Climate Change on Indian and Brazilian Agriculture*, the World Bank, Washington, DC, May 5.

R E S E A R C H P R O J E C T S

- Principal Investigator for the preparation of "State of Environment Report for Tamil Nadu", project funded by the Department of Environment, GoTN: **January 2015 – January 2016.**
- Co-principal Investigator for "Coastal Capital: An Economic Valuation of Coastal and Marine Ecosystem Goods and Services in India", project funded by National Centre for Sustainable Coastal Management: **June 2014 – March 2016.**
- Co-principal Investigator for "Integrated sustainability assessment of bioenergy potentials in Asia: An application of a hybrid approach on trade-offs and pathways (PIC-STRAP)", project funded by Asia Pacific Network: **June 2013 – August 2015.**
- Co-principal Investigator for "Fiscal Instruments for Climate Friendly Industrial Development in the State of Tamil Nadu", project funded by British High Commission under the Prosperity Fund: **December 2011 – March 2013.**
- Co-principal Investigator for "Climate Change, Agricultural Impacts and Migration: Case Study of India", project funded by South Asian Network for Development and Environmental Economics: **August 2011 to July 2012.**
- Principal Investigator for "Preparation of Base Paper on Green Economy", project funded by the Ministry of Environment and Forests, Government of India: **June 2011-July 2012.**
- Team Leader (South Asia Region) for preparing a policy paper on "Addressing Long-term Challenges for Food Security and Rural Livelihoods", project funded by Global Development Network, **June 2011-December 2012.**

- Principal Investigator for “Socio-Economic Profile of India – for India’s Second Submission to the UNFCCC”, project funded by the NATCOM, Ministry of Environment and Forests, Government of India: **November 2009 to July 2010.**
- Co-principal Investigator for “Integrating Pollution-Abating Economic Instruments in Goods and Services Tax (GST) Regime”, project funded by the Strategic Programme Fund of British High Commission: **May 2009 – March 2012.**
- Co-principal Investigator for “Trade and Environment: India’s Exports of Textile and Textile Products and Environmental Requirements”, project funded by the Ministry of Environment and Forests, Government of India: **July 2008 till June 2010.**
- Co-principal Investigator for “Wood Balance Study for Tamil Nadu”, project funded by State Forest Research Institute, Tamil Nadu: **June 2008 – June 2009.**
- Principal Investigator for “Climate Change Impacts on Indian Agriculture: Role of Information Diffusion, Technology Development and Multiple Stressors”, project funded by South Asian Network for Development and Environmental Economics: **August 2006 – December 2008.**
- Principal Investigator for “Economics of Municipal Solid Waste Management in Tamil Nadu: A State Level Case Study”, project funded by Central Pollution Control Board: **March 2007- March 2009.**
- Co-principal Investigator for “Greening Incentives for Electricity”, project funded by India-Canada Environment Facility: **January 2006 – March 2008.**
- Principal Investigator for “Economic Analysis of EIA in India: Costs of Delays, Impacts and Mitigation Measures”, a project of Center of Excellence in Environmental Economics at MSE, funded by the Ministry of Environment and Forests, Gol: **February 2005-May 2007.**
- Invited Member of the “Expert Group on Inter-relationship Between Trade Measures in MEAs and WTO Regime”, established jointly by the Ministry of Commerce and Ministry of Environment and Forests, Gol: **March 2005-September 2006.**
- Coordinated the activities of “ENVIS – Environmental Economics Unit” at Madras School of Economics, funded by **Ministry of Environment and Forests**, Government of India. The unit was responsible for developing a website on environmental economics (www.mse.ac.in/envis) and brought out a quarterly newsletter **ENVISAGE: June 2002-June 2004.**
- Worked as Contributing Author for a chapter on Climate Regulations in Responses Working Group of Millennium Ecosystem Assessment. **October 2003-April 2004.**
- Principal Investigator for “Vulnerability of Agriculture and Coastal Resources in India to Climate Change”, a project funded by Environmental Economics Research Committee of EMCaB Technical Assistance Program of the **World Bank** and **Ministry of Environment and Forests**, GOI: **October 2000 to December 2002.**
- Principal Investigator for “Security Diagrams: *Case Study on Drought Induced Water Crisis in India*”, a project funded by **Potsdam Institute for Climate Impact Research**, Germany: **December 2001 to September 2002.**
- Co-investigator for “Climate Change Impacts on Indian Agriculture”, a project funded by the **World Bank and EPRI: March 1996 to May 1997.**

Co-principal Investigator for “Developing a Database and User Manual on Indian Agricultural Data”, a project funded by the **World Bank**. The database is posted at <http://www-esd.worldbank.org/indian> in the public domain: **May 1997 to August 1997**.

Member of the writing team of the chapter on “Decision Making Framework to Address Climate Change”, of the Second Assessment Report of **Intergovernmental Panel on Climate Change: 1995-1996**.

T E A C H I N G

Have been teaching the following courses at post-graduate level at Madras School of Economics, Chennai from 1999 till date:

- Energy Economics
- Resource and Environmental Economics
- Environmental Policy
- Cost Benefit Analysis
- Mathematics for Economic Analysis
- Economics of Global Climate Change

Students from both science/technology and economics backgrounds attend the courses.

R E V I E W A C T I V I T I E S

Journals: Climatic Change; Environment and Development Economics; Global Environmental Change; Energy: The International Journal; Environment and Resource Economics; Ecological Economics; Economics and Human Biology; Energy Policy; Current Science; IIMB Management Review; International Journal of Regulation and Governance; Economic and Political Weekly; Journal of Health Perspectives.

Organizations: The Ministry of Environment and Forests (Government of India); SANDEE; the World Bank.

O R G A N I Z A T I O N A L R E S P O N S I B I L I T I E S (S E L E C T E D)

Member Secretary of the Steering Committee, Centre of Excellence in Environmental Economics at Madras School of Economics; **November 2007-January 2015**.

Coordinated the activities of **Centre of Excellence in Environmental Economics** at Madras School of Economics. The center maintains dedicated websites on various issues related to environmental economics: 2004-2007.

Co-organized three three-day training programs on *Environmental Fiscal Reforms: International Experience and Relevance for India* – at MSE, Chennai during 7-9th March 2013 for the State and Central Government Officers; at Tripura University, Agartala during 6-8th November 2013 for the officers from Tripura and other North-Eastern States; and at Jadavpur University, Kolkata during 30th October-1st November 2014 for the officers of the States of Bihar, Odisha and West Bengal.

Provided overall coordination support for conducting six five-day training programs in Environmental Economics for the senior scientists and engineers of Tamil Nadu Pollution Control Board during March 2015 to February 2016.

- Organized a two-day Modeling Workshop on 'Land Use Planning and Agriculture', jointly with TIFAC, New Delhi and IIASA, Austria, during 15-16 April 2010.
- Organized a two-day brains-storming workshop on 'Economics of Climate Change Adaptation: Issues, Methodologies, and Estimates for India', jointly with MSSRF and SANDEE, during 12-13 February 2010.
- Organized a one week training program on 'Environmental Statistics with special reference to water accounting', to the Indian Statistical Service Officers during 29th September to 3rd October 2008, at Madras School of Economics, Chennai.
- Organized a three day workshop on "Cost Benefit Analysis and the Environment" for the officers of the Ministry of Environment and Forests, GOI at Institute for Social and Economic Change, Bangalore: **June 2-4, 2003**.
- Organized an International Conference in collaboration with Global Governance Project of Potsdam Institute for Climate Impact Research on "Indian German Perspectives on Climate Change" at Potsdam, Germany in **September 2002**. The conference was attended by members of parliament, researchers and corporate personnel from both India and Germany.
- Organized a month long faculty upgradation program at MSE, Chennai in **September 2000** for the post-graduate teachers from universities/research institutes across India. A large number of Indian and foreign experts on various environmental issues were invited to give lectures in the program.
- Organized a workshop at MSE, Chennai in **November 1999** for the Ph.D. scholars from various universities across India. The workshop provided scope for interaction of Ph.D. scholars with experts working in their field of research.