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

O F

K. S. Kavi Kumar

P E R S O N A L

Date of birth: 18 August 1966 *Sex:* Male *Place of birth:* Peddapuram, India

Address: Madras School of Economics,
Gandhi Mandapam Road, Chennai – 600 025 (INDIA)

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E D U C A T I O N

Indira Gandhi Institute of Development Research (IGDR) **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*. The thesis analyses the physical and economic impacts of climate change on Indian agriculture using various modeling approaches.

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

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

2010 –: Member of the State Advisory Committee in Tamil Nadu Electricity Regulatory Commission, Tamil Nadu

2009 –: Member of the Expert Committee for Framing the Guidelines for Determining Contributions to and Utilization of National Biodiversity Fund.

2007 –: 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 –: Member of the **Indian National Committee** for the India-IIASA Program, TIFAC, Department of Science and Technology, Government of India.

2006-07: Member of the **Energy and Environment Panel** of FICCI, Tamil Nadu State Council.

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.

2005-06: Invited Member of the **Expert Panel** on the Inter-relationship between World Trade Organization and Multilateral Environmental Agreements, constituted jointly by the Ministry of Commerce and Ministry of Environment and Forests, Government of India.

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 E X P E R I E N C E

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

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**.

Ph.D. Fellow at Institute of Advanced Studies, United Nations University, Tokyo: **March to November 1997**.

Consultant to the **World Bank**, Washington DC, to work on preparing a database and user manual on Indian agricultural data: **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**.

I N D U S T R I A L W O R K E X P E R I E N C E

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

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

A : P U B L I S H E D I N R E F E R E E D J O U R N A L S

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.**, R.J.T. Klein, C. Ionescu, J. Hinkel, and R. Klein (2009), "Vulnerability to Poverty and Vulnerability to Climate Change: Conceptual Framework, Measurement and Synergies in Policy", *Global Environmental Change* (accepted, pending revisions).
- 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.
- 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.
- 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.
- 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).
- Tschang, F. T., N. S. Murthy and **K. S. Kavi Kumar** (1997), "A Framework for Reaching Agreement on Climate Change: Morals, Self-Interest, and Strategy". *Global Environmental Change* in the UNU Monitor Section.

B : P U B L I S H E D I N E D I T E D B O O K S

- Kavi Kumar, K.S.** "Climate Change – Adaptation and Mitigation Policies in India", in D.K. Srivastava and U. Sankar (ed.) "Commemorative Volume in Honour of Prof. R.J. Chelliah" (forthcoming).
- 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.** (2009) "Climate Change: Negotiations and Adaptation Policy", in *Handbook of Environmental Economics in India*, Oxford University Press, pp. 284-300
- Kavi Kumar, K.S.** (2008) "Energy Conservation: An Overview" in *Energy Conservation: Concepts and Applications*, ICFAI University Press.
- 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.** (2003) "Impact of Economic Development and Urbanization on Coastal Zones", in R. Ramesh and S. Ramachandran (ed.) *"Coastal Urban Environment"*, Capital Publishers, New Delhi.
- Kavi Kumar, K.S.** and J. Parikh (1998), "Climate Change Impacts on Indian Agriculture: Ricardian Approach", in Dinar et.al., *Measuring the Impact of Climate Change on Indian Agriculture*, World Bank Technical Paper No. 402, Washington, D.C., 1998.
- Sharma, S. and **K.S. Kavi Kumar** (1998), "Impacts and Vulnerability", in TERI (ed.) *Climate Change: Post-Kyoto Perspectives from the South*, Tata Energy Research Institute, New Delhi.
- Gupta, S. and **K.S. Kavi Kumar** (1998), "Science and Economics", in TERI (ed.) *Climate Change: Post-Kyoto Perspectives from the South*, Tata Energy Research Institute, New Delhi.
- 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.

C : P U B L I S H E D A S W O R K I N G P A P E R S

- Kavi Kumar, K.S.** and Brinda Viswanathan (2011), "Household Level Pollution in India: Patterns and Projections", Working Paper No. 58, 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.

- Ishwarya Balasubramanian and **K.S. Kavi Kumar** (2010), "Climate Variability and Agricultural Productivity: Case Study of Rice Yields in Northern India", Working Paper No. 54, 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.** (2009), "Climate Sensitivity and Indian Agriculture", Working Paper No. 43, Madras School of Economics.
- 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.
- Maithili, R., **K.S. Kavi Kumar** and B. Viswanathan (2006), "Health Poverty and Vulnerability: An Empirical Analysis of Women in Uttar Pradesh", SSRN Working Paper.
http://papers.ssrn.com/sol3/papers.cfm?abstract_id=875812; also as Madras School of Economics Working Paper No. 12, 2006.
- 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.
- Ionescu, C., R.J.T. Klein, J. Hinkel, **K.S. Kavi Kumar**, and R. Klein (2005): 'Towards a Formal Framework of Vulnerability to Climate Change', NeWater Working Paper 2 and FAVAIA Working Paper 1, Potsdam Institute for Climate Impact Research, Potsdam.
- Kavi Kumar, K.S.** and Brinda Viswanathan (2004), "Does Environmental Kuznet's Curve exist for Indoor Air Pollution? Evidence from Indian Household Level Data", Working Paper No. 3, Madras School of Economics, Chennai.
- Kavi Kumar, K.S.** and B.Viswanathan (2003), 'Is Pollution Income Relationship Non-monotonic?: Evidence Based on Indoor Air Pollution in India', SSRN Working Paper, <http://ssrn.com/abstract=476321>.
- Acosta-Michlik, L., **K.S. Kavi Kumar**, R.J.T. Klein and S. Campe (2004), "Assessing State Susceptibility from a Socio-economic Perspective for the Development and Application of Security Diagrams", *Environmental Vulnerability Assessment Working Paper*, Potsdam Institute of Climate Impact Research, Potsdam.
- Kavi Kumar, K.S.** (1999), "Climate Change Impacts on Indian Agriculture: Insights from Different Modeling Approaches", Working Paper No. 204/99, Institute of Economic Growth, Delhi.
- Kavi Kumar, K.S.** (1999), "Implementing the Kyoto Protocol: Developing Country Perspectives", Discussion Paper No. 10/99, Institute of Economic Growth, Delhi.
- Kavi Kumar, K.S.** (1998), "Impacts of Global Climate Change on Indian Crop Production: Results from Crop Suitability approach", Working Paper No. 36, Institute of Advanced Studies, United Nations University, Tokyo.

D : 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

- 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.** and Brinda Viswanathan (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. and Ishwarya Balasubramanian** (2010): "Climate Variability and Agricultural Productivity: Case Study of Rice Yields in Northern India", paper presented at IASSI annual conference on, *Frontier Issues in Technology, Development and Environment*, 19-21 March, Chennai.
- 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): "Sustainable Development in India: Challenges and Opportunities", invited talk at *Development Convention 2009-10*, Institute for Social and Economic Change, Bangalore, 21-23 January.
- 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): "Climate Change Vulnerability Assessment: Moving Beyond Indicators", paper presented at *Climate Change, Vulnerabilities and Livelihood Resilience: Towards Sustainable Water Policy and Water Governance*, Workshop organized by MIDS-IWMI-Tata Water Policy Program, Madras Institute of Development Studies, Chennai, 26-27 August.
- 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.** (2009): 'Cooking Fuel Use Pattern and Indoor Air Pollution in India', invited talk at *Changing Energy Scenario in India and its Environmental Implications*, workshop organized by the Ministry of Environment and Forests, 23rd January.
- Kavi Kumar, K.S.** (2008): 'Climate Change and Indian Agriculture', Invited talk at Research Unit for Livelihoods and Natural Resources (RULNR), Centre for Economic and Social Studies, Hyderabad, 19th September.

- Kavi Kumar, K.S.** (2008): 'Climate Sensitivity and Indian Agriculture: Role of Technological Development and Information Diffusion', paper presented at the conference, 'The Future of Indian Agriculture: Technology and Institutions', organized by Institute of Economic Growth, Delhi on 23-24 September.
- Kavi Kumar, K.S.,** R.J.T. Klein, C. Ionescu, J. Hinkel, and R. Klein (2008): 'Vulnerability to Poverty and Vulnerability to Climate Change: Conceptual Framework, Measurement and Synergies in Policy', 16th Annual Conference of European Association of Environmental and Resource Economists, Gothenburg, June 25-28.
- 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): 'Climate Change and Indian Agriculture: Impacts, Vulnerability and Adaptation Assessment', Faculty Seminar at Madras School of Economics, 31 August.
- 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.** (2006): "Assessing Vulnerability of Coastal Zone to Climate Change and Extreme Climate Events", Invited Talk at Indo-UK Seminar on *Climate Change and its Impacts on Coastal Zones*, IOM, Anna University, 25 January.
- 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.
- Viswanathan, B. and **K.S. Kavi Kumar** (2005): "Vulnerability to Poverty in India: Relative Rankings Across States Using Fuzzy Models", UNU-WIDER Project Meeting, The Impact of Globalization on the Poor in Asia, Tokyo, 25-26 April.
- Kavi Kumar, K.S.** (2003), "Does Environmental Kuznets Curve Exist for Indoor Air Pollution: Evidence from Indian Household Level Data", Faculty Seminar at Madras School of Economics, October 10.

- Kavi Kumar, K.S.** (2003), "Relative Vulnerability of Indian Coastal Districts to Sea Level Rise and Climate Extremes", *Energy, Environment and Sustainable Development: A Symposium in honour of Prof. Jyoti Parikh*, organized by Indira Gandhi Institute of Development Research, Mumbai, July 6-7.
- 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.** (2000), "Climate Change, Agriculture, and Trade: Issues and Framework for Analysis", *International Conference on the Changing Role of Agricultural Research in the Era of Globalization*, organized by Indira Gandhi Institute of Development Research and International Service for National Agricultural Research, IGIDR, March 11-12.
- Kavi Kumar, K.S.** and J. Parikh (1998), "Climate Change Impacts on Indian Agriculture: Insights from Different Modeling Approaches", *Second National Conference on Mathematical Modeling and Simulation*, IGIDR, August 5-6.
- 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.

E : P U B L I S H E D I N P R O J E C T R E P O R T S

- Kavi Kumar, K.S.** (2011): "Trade and Environment: India's Exports of Textile and Textile Products and Environmental Requirements", report submitted to the Ministry of Environment and Forests, Gol, January.
- Srivastava, D.K., **K.S. Kavi Kumar**, and C. Bhujanga Rao (2010): "Coping with Pollution: Eco-taxes in a GST Regime – A Discussion Paper", report submitted to the Ministry of Environment and Forests, Gol, November.
- Kavi Kumar, K.S.** (2010): "National Circumstances of India: Socio-Economic Profile of India", report prepared to serve as background material for India's Second Communication to the UNFCCC, submitted to Ministry of Environment and Forests, Gol, July.
- Kavi Kumar, K.S.** (2009): 'Cost of Adapting to Climate Change: Concepts, Issues and Estimates', Research Report submitted to the M.S. Swaminathan Research Foundation, Chennai, November.
- Kavi Kumar, K.S.** (2009): 'Climate Change and Indian Agriculture', Research Report submitted to the World Bank as part of its ongoing project, *Climate Change, Agricultural Productivity and Rural Poverty in India*, July.
- Kavi Kumar, K.S.**, Brinda Viswanathan and others (2009): 'Wood Balance Study of Tamil Nadu', Research Report submitted to State Forest Research Institute, Tamil Nadu, June.
- Kavi Kumar, K.S.**, Zareena Begum and others (2009): 'Economics of Municipal Solid Waste Management in Tamil Nadu – A State Level Case Study', Research Report submitted to Central Pollution Control Board, New Delhi, March.
- Kavi Kumar, K.S.** (2008): 'Climate Change Impacts on Indian Agriculture', Research Report submitted to South Asian Network for Development and Environmental Economics (SANDEE), Nepal.

- Kavi Kumar, K.S.** and R. Hema (2008): 'Greening Incentives for Electricity', Research Report submitted to Indo-Canada Environmental Facility, New Delhi.
- Kavi Kumar, K.S.** (2007): 'Economic Analysis of Environmental Impact Assessment in India', Research Report submitted to Ministry of Environment and Forests, Government of India through the Centre of Excellence in Environmental Economics at Madras School of Economics.
- Kavi Kumar, K.S.** (2006): 'Vulnerability to Drought, Cyclone and Flood in India', Research Report submitted to Winrock International, New Delhi.
- Kavi Kumar, K.S.** (2006): 'Compendium on Montreal Protocol', Report submitted to the Ministry of Commerce and Ministry of Environment and Forests, Government of India as part of Expert Committee on the inter-relationship between WTO and MEA.
- Kavi Kumar, K.S.** (2006): 'Criteria for Selecting Trade Measures in MEAs', Report submitted to the Ministry of Commerce and Ministry of Environment and Forests, Government of India as part of Expert Committee on the inter-relationship between WTO and MEA.
- Appasamy, P. and **K.S. Kavi Kumar** (2005): "Study on Tariffs for Multistoried Buildings in Chennai", Research Report to Chennai Metropolitan Water Supply and Sewerage Board.
- Kavi Kumar, K.S.** (2003), "Vulnerability of Agriculture and Coastal Resources in India to Climate Change", Research report to Environmental Economics Research Committee of EMCaB Technical Assistance Program funded by the World Bank and implemented by MoEF, Government of India.
- Kavi Kumar, K.S.** and J. Parikh (1997), "Climate Change Impacts on Indian Agriculture: Ricardian Approach", Research report to the World Bank, Washington DC.
- Sanghi, A., **K.S. Kavi Kumar**, and J. McKensey (1997), "Indian Agriculture – Data Base", Research report to the World Bank, Washington DC.

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

- Principal Investigator for "Preparation of Base Paper on Green Economy", project funded by the Ministry of Environment and Forests, Government of India: **June 2011 till date.**
- Co-investigator for "Climate Change, Agriculture and Migration", project funded by SANDEE, **August 2011 till date.**
- 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 till date.**
- 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 till date.**
- 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**.

P O P U L A R A R T I C L E S / T A L K S

- “Climate Change and Vulnerability Analysis”, invited talk at Training Program on ‘Water and Climate Change: Vulnerability and Adaptation’, organized by Crossing Boundaries Project, SaciWaters, 2-9 August 2009.

- 'Economics of Climate Change: A Brief Bibliographical Survey', prepared with Mr. Chandra Sekhar Bahinipati for SANDEE, March 2008.
- 'Economics of Solid Waste Management', invited talk at *All India Seminar on Solid Waste Management*, organized by Institute of Engineers, IIT-Chennai, 22-23 February 2008.
- 'Adapting to Changing Climate', special address at the IDRMM Workshop, Madras Institute of Development Studies, 19th February 2008.
- 'Global Climate Change: Adaptation and Mitigation', keynote address at the National Seminar on *Economics of Climate Change*, at Madurai Kamaraj University, 30th January 2008.
- 'Climate Change Research Theme – Adaptation', invited talk at *Climate Science and Policy* workshop organized by SANDEE, at Asian Institute of Technology, Bangkok, 12-13 January 2008.
- 'Global Climate Change: Mitigation and Adaptation', invited talk at *Economic Development, Poverty Reduction and Environmental Change*, policy workshop organized by UNEP and SANDEE, Asian Institute of Technology, Bangkok, 11th December 2007.
- 'Climate Change Studies in Indian Agriculture', *Economic and Political Weekly*, November 17, 2007.
- 'Environmental Audit and Assessment in India', invited lecture at Madras Christian College for the students of Davidson College, USA, 17th November 2006.
- 'Environmental Economics of Municipal Solid Waste Management', invited talk at *Policy Workshop on Municipal Solid Waste Management*, Centre for Environmental Studies, Anna University, 21st August 2006.
- 'Policy Instruments for Environmental Management', invited lecture at AIT-UNEP Training Program, Bangkok, 30th March 2006.
- 'Globalization and Income Inequality', talk at national symposium on *Poverty in an era of Globalization*, Loyola Economics Association for Development, Loyola College, 10th February 2006.
- 'Relative Vulnerability of Indian Coastal Districts to Sea-level Rise and Climate Extremes', *ENVISAGE – Newsletter of ENVIS Centre on Environmental Economics*, December 2005.
- "Carbon Sequestration as Greenhouse Gas Mitigation Strategy", *ENVISAGE – Newsletter of EMCBTAP-ENVIS: Environmental Economics Node*, October 2003.
- "Climate Change Negotiations - Progress at COP8", *ENVISAGE – Newsletter of EMCBTAP-ENVIS: Environmental Economics Node*, December 2002.
- "Climate Change Negotiations: *Where are they heading?*", *Business Line*, December 2000.
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T E A C H I N G E X P E R I E N C E

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
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- Cost Benefit Analysis
- Mathematics for Economic Analysis

Students from both science/technology and economics backgrounds attend the courses. The following table shows the student evaluation for various courses since 2003.

Taught a course in Environmental Management for Post Graduate Program at Indian Institute of Management, Kozhikode during January-March 2004.

Delivered lectures on topics related to the Global Climate Change and its Impact, Sea Level Rise, and Pollution-Health Linkages at workshops, seminars and training programs organized by economics, technology, and medical faculties of various universities/institutes across India including; (a) Institute of Economic Growth, Delhi; (b) Institute for Social and Economic Change, Bangalore; (c) Centre for Multi-disciplinary Research, Dharward; (d) Sri Ramachandra Medical College, Chennai; (e) Institute of Ocean Management, Anna University, Chennai; and (f) Ernst and Young, Chennai.

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

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

Coordinates the activities of **Centre of Excellence in Environmental Economics** and **ENVIS Centre in Environmental Economics** at Madras School of Economics. Both the centers maintain dedicated websites on various issues related to environmental economics.

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.

Served as Faculty Coordinator at Madras School of Economics: **July 2004 to May 2006.**

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.**

Coordinated the activities of Environmental Economics Unit at MSE, Chennai. The responsibilities included dissemination of research and other information related to Environmental Economics to various universities/research institutes across India every quarter: **November 1999 to April 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.