

---

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

2024: Member of Inter-ministerial Working Group (Agriculture) to Develop Pathways for Meeting National Commitment on Net-Zero, NITI Aayog, Gol.

2024: Member of Expert Committee to Contribute to the Operationalization of Kunming-Montreal Global Biodiversity Framework (KMGBF), National Biodiversity Authority, Gol.

2023-2026: Member of Technical Advisory Committee for India's 4<sup>th</sup> National Communication and Biennial Update Reports to the UNFCCC, MoEFCC, Gol.

2023-2025: Member of the Expert Group on Ocean Ecosystem Accounts in India, Ministry of Statistics & Programme Implementation, Gol.

2022-2025: Member of State Level Expert Appraisal Committee (SEAC) for Environment Impact Assessment Authority, Tamil Nadu, Gol.

2021-2023: Member of Scientific and Technical Advisory Group for the Compilation of Environmental Accounts for India, Ministry of Statistics & Programme Implementation, Gol.

2020-2021: Expert Member of the Committee on National Coastal Marine Spatial Planning Framework (CMSP), Ministry of Environment, Forest and Climate Change, Gol.

2019-2020: Member of the Expert Committee for Mathematical Research Impact-Centric Support Scheme (MATRICS), Science and Engineering Research Board, Dept. of Science and Technology, Gol.

2019-2020: Member of Expert Committees set up by National Green Tribunal to, (i) prepare scale of compensation for illegal sand mining in India; (ii) assess causes and quantum of damages due to pollution in Chennai water ways.

2018-2021: Member of Technical Advisory Committee for India's 3<sup>rd</sup> National Communication and Biennial Update Reports to the UNFCCC, MoEFCC, Gol.

---

- 2014–2017: Member of the Expert Committee on Access and Benefit Sharing, National Biodiversity Authority, Gol.
- 2014–2016: Member of the Expert Committee on Climate Change, MoEFCC, Gol.
- 2012–2016: State Level Expert Appraisal Committee (SEAC) for Environment Impact Assessment Authority, Tamil Nadu, Gol.
- 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.

---

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; May-June 2006**.
- 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. Internship Program at the **United Nations University/Institute of Advanced Studies (UNU/IAS)**, Tokyo: **March-November 1997**.
- Consultant to the **GIZ (Deutsche Gesellschaft fur Internationale)**, New Delhi, **August-September 2012; August-November 2015**.
- Consultant to the **Global Development Network**, New Delhi, **June 2011 to December 2012**.

Consultant to the **World Bank**, Washington D.C., **March 1996-August 1997;**  
**November 2008 to June 2009.**

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 / W O R K I N G  
P A P E R S ) ( S I N C E 2 0 1 5 )

**K.S. Kavi Kumar** and A. Pattanayak (2024), 'Climate Change and Indian  
Agriculture: A Critical Review', *Productivity*, 64(4).

Dayakar, P. and **K.S. Kavi Kumar** (2024), 'Soil and Water Conservation  
Measures and Rainfed Agriculture in Telangana, India: Role of Community  
and Neighborhood Conservation Measures', *Land Use Policy*, 137.

Viswanathan, B. and **K.S. Kavi Kumar** (2024), 'Economies of Scale in Household  
Consumption Pattern', in P. Ray & S. Ghosh (ed) *Festschrift in Honour of  
Prof. Anindya Sen*, Routledge (forthcoming)

**K.S. Kavi Kumar** and A. Lakshmi (2023), 'Taking Stock: Valuation of Coastal and  
Marine Ecosystem Goods and Services', in

Lakshmi, A. and **K.S. Kavi Kumar** (2023), 'Facilitating Progress towards a  
Successful Blue Economy', commentary, *Mongabay*, 9<sup>th</sup> May.

**K.S. Kavi Kumar** and A. Pattanayak (2022), 'Fiscal Transfers, Climate Risks, and  
Partisan Politics: Does the Nature of Climate Risk Matter?', MSE Working  
Paper, 227/2022, Madras School of Economics, August.

Sur, A., **K.S. Kavi Kumar**, and A. Pattanayak (2022), 'Adaptation to Rainfall  
Extremes: Role of Dams in India', MSE Working Paper, 223/2022, Madras  
School of Economics, July.

Sandhani, M., A. Paatanayak, and **K.S. Kavi Kumar** (2022), 'Weather Shocks  
and Economic Growth in India', *Journal of Environmental Economics and  
Policy*, 10.1080/21606544.2022.2087745.

Pattanayak, A. and **K.S. Kavi Kumar** (2022), 'Fiscal Transfers, Natural Calamities  
and Partisan Politics: Evidence from India', *Economics of Disasters and  
Climate Change*, 10.1007/s41885-022-00111-z.

**Kavi Kumar, K.S.**, RC Bhatta, P. Mukhopadhyaya, LR Anneboina and others  
(2022), 'Valuation of Marine and Coastal Ecosystem Services in India',  
*Ecology, Economy and Society – the INSEE Journal*, 5(1).

Pattanayak, A., **K.S. Kavi Kumar**, and L.R. Anneboina (2021), 'Distributional  
Impacts of Climate Change on Agricultural Total Factor Productivity in India',  
*Journal of Asia Pacific Economy*, 26(2), 381-401.

Dayakar, P. and **K.S. Kavi Kumar** (2021), 'Adoption of Soil Conservation  
Measures: Evidence from Rain-fed Watershed Areas of Telangana', *Ecology,  
Economy and Society – the INSEE Journal*, 4(2).

Barve, S., **K.S. Kavi Kumar**, and B. Viswanathan (2021), 'Weather Variability,  
Agricultural Productivity, and Farmer Suicides in India', *Climate Change  
Economics*, doi: 10.1142/S2010007821500056.

**K.S. Kavi Kumar** (2021), 'Rice Production Systems and Drought Resilience in  
India', in Dasgupta, P. *et al.* (ed.), *Sustainable Development Insights from  
India: Essays in Honour of Ramprasad Sengupta*, Springer.

- Madhumitha, S., **K.S. Kavi Kumar**, and A. Pattanayak (2021), 'Crop Diversity and Resilience to Droughts: Evidence from Indian Agriculture', MSE Working Paper, 205/2021, Madras School of Economics, February.
- Pattanayak, A. and **K.S. Kavi Kumar** (2020), 'Does Weather Sensitivity of Rice Yield Vary across Sub-regions of a Country? Evidence from Eastern and Southern India', *Journal of Asia Pacific Economy*, doi: 10.1080/13547860.2020.1717300.
- Dayakar, P. and **K.S. Kavi Kumar** (2020), 'Farmer's Perceptions about Soil Erosion in Rainfed Areas of Telangana, India', *Journal of Public Affairs*, doi: 10.1002/pa.2374.
- K.S. Kavi Kumar** and A. Pattanayak (2020), 'Climate Change Impacts and Indian Agriculture: A Review', in J.R. Bhatt and K. Parikh (ed.), *Climate Change: India's Perceptions, Policies and Expectations*, MoEF&CC, Gol (forthcoming).
- Sandhani, M., A. Pattanayak, and **K.S. Kavi Kumar** (2020), 'Impact of Climate Change on Economic Growth: A Case Study of India', MSE Working Paper, 204/2020, Madras School of Economics, September.
- K.S. Kavi Kumar** and B. Viswanathan (2019), 'Mainstreaming Climate Change Adaptation: Agriculture', in N. Dubash (ed), *India in a Warming World – Integrating Climate Change and Development*, OUP, New Delhi.
- K.S. Kavi Kumar**, B. Viswanathan, and P. Dayakar (2019), 'Climate and Weather Induced Agricultural Distress and Migration: Characteristics and Evidence', *Productivity*, 60(2), July-September.
- Thornton, P.K., A.M. Loboguerrero, B.M. Campbell, **K.S. Kavi Kumar**, L. Mercado, and S. Shackelton (2019), 'Rural Livelihoods, Food Security and Rural Transformation under Climate Change', background paper for *Global Commission on Adaptation*, [www.gca.org](http://www.gca.org).
- Barve, S., **K.S. Kavi Kumar**, and B. Viswanathan (2019), 'Weather Shocks, Agricultural Productivity and Farmer Suicides in India', MSE Working Paper, 185/2019, Madras School of Economics, December.
- Pattanayak, A. and **K.S. Kavi Kumar** (2019), 'Fiscal Transfers, Natural Calamities and Partisan Politics – Evidence from India', MSE Working Paper, 184/2019, Madras School of Economics, July.
- Pattanayak, A. and **K.S. Kavi Kumar** (2019), 'Assessment of Climate Change Impacts and Adaptation: A Methodological Review and Application to Indian Agriculture', MSE Working Paper, 183/2019, Madras School of Economics, July.
- K.S. Kavi Kumar**, A. Pattanayak, B. Viswanathan, and A. Chaturvedi (2019), 'Climate Risk and Rural India: Research and Policy Issues', MSE Working Paper, 182/2019, Madras School of Economics, May.
- Dayakar, P. and **K.S. Kavi Kumar** (2019), 'Farmer's Perception on Soil Erosion in Rainfed Watershed Areas of Telangana, India', MSE Working Paper, 180/2019, Madras School of Economics, April.
- 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.

---

R E S E A R C H P R O J E C T S ( S I N C E 2 0 1 0 )

- Principal Investigator for "Building an Australia-India Community of Practice on Ocean Accounting Program", project funded by University of New South Wales: **September 2021 – January 2023**.
- Principal Investigator for Organizing Regional Training Programs on *Economics of Climate Change*, for the State Government Officers, project funded by GIZ, New Delhi: **December 2021 – May 2022**.
- 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**.
- 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**.

---

T A L K S / S E M I N A R S ( S I N C E 2 0 1 9 )

- “Reflections on Climate Change Adaptation”, invited talk at 5<sup>th</sup> Annual Conference in Economics and Finance, BITS-Hyderabad, 9 February 2024 (online).
- “Climate Change & Agriculture”, panelist in the Interactive Session on *Opportunities for Agriculture*, 2<sup>nd</sup> Kautilya Economic Conclave, IEG-MoF, New Delhi, 20-22 October 2023.
- “Climate Change-Food Security-Economic Growth”, panelist in the Panel Discussion on *Indian Economy and Climate Change*, organized jointly by RBI & MIDS, MIDS-Chennai, 23 March 2023.
- “3C Shock –Poverty, Food Security & Nutrition”, panelist in the Panel Discussion on *3C (Covid, Climate Change & Conflict) Shock*, 2<sup>nd</sup> Biennial Conference on Development, IGIDR, Mumbai, 21-23 December 2022.
- “Weather Shocks and Economic Growth: Evidence from India”, invited talk at IEG-Goa Business School-DEA Conference *Economic Resilience and Public Policy*, Goa University, 10-11 October 2022.
- “Climate Risk and Agriculture”, ICSSR Sponsored Invited Lecture Series on *Challenges and Issues in Indian Agriculture*, CDS, 10<sup>th</sup> May 2022 (online).
- “Climate Change and Agriculture”, invited talk at the Workshop on *Health, Food, Nutrition and Data*, Ashoka University, 7-8 December 2021 (online).
- “Impact of Climate Change on Indian Agriculture & Economic Growth”, invited talk at *XV Agricultural Science Congress*, Banaras Hindu University, Varanasi, 13-16 November 2021 (online).
- “Climate Extremes and Economic Loss”, invited talk at the Regional Seminar of Indian Society for Agricultural Economics, *Climate Extremes, Economic Loss and Farmer Resilience*, Kerala Agricultural University, Thrissur, 11-12 November 2021 (online).
- “Weather Shocks and Economic Growth in India”, webinar given at Shakti Sustainable Energy Foundation, New Delhi, 27<sup>th</sup> August 2021 (online).
- “Climate Change and Sustainable Development”, invited talk at *Fast-track Learning in Climate Change and Marine Life*, 19<sup>th</sup> July 2021 (online).
- “COVID-19 Recovery and Environment”, panelist in online Panel Discussion, *COVID-19: Impact on the Economy and Inclusive Growth*, organized by Indian Economic Association and D.G. Vaishnav College, 3<sup>rd</sup> July 2020 (online).
- “Climate Change and Agriculture”, invited talk at 102<sup>nd</sup> Conference of the Indian Economic Association, Pt. Ravishankar Shukla University, Raipur, 27-29<sup>th</sup> December 2019.
- “Rice Production Systems and Drought Resilience in India”, paper presented as part of Panel Discussion on *Climate Change Impacts and Indian Agriculture: Methodological Issues*, at the Tenth INSEE Biennial Conference, CESS, Hyderabad, 6-8<sup>th</sup> November 2019.
- “Financial Instruments to Manage L&D and Climate Risk”, invited talk at National Consultation Workshop on Loss and Damage, Government of India, 16<sup>th</sup> April 2019, New Delhi.