

CURRICULUM VITAE

Dr. Premkumar A

Assistant Professor

Institute of Development Studies

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[Google Scholar](#) [ResearchGate](#) [Scopus](#) [Linkedin](#)

Areas of Research Interest: Environmental Economics; Climate Change; Forest Ecology; Human–Wildlife Conflicts; Ecosystem Services Valuation; Carbon Footprint Assessment; Health Economics; Sustainable Development; Environmental Policy Analysis.

Academic Qualification:

Doctor of Philosophy (Ph.D.) in Economics (2023)

Thiruvalluvar University, Vellore, Tamil Nadu, India

Thesis Title: *Economic Analysis of Urban Solid Waste Management in Tamil Nadu: A Case Study of Tirupattur District.*

Master of Philosophy (M.Phil.) in Economics (2019)

Sacred Heart College (Autonomous), affiliated to Thiruvalluvar University, Vellore, Tamil Nadu, India.

Dissertation Title: *Dynamics of Seasonal Migration – A Case Study of Tribes in Jawadhu Hills, Tamil Nadu.*

Master of Arts (M.A.) in Economics (2018)

Sacred Heart College (Autonomous), affiliated to Thiruvalluvar University, Vellore, Tamil Nadu, India.

Work Experience:

Assistant Professor (February 2026-Present)

Institute of Development Studies, Jaipur, Rajasthan.

Faculty of Economics (August 2025 – February, 2026)

School of Management Sciences, Chanakya University, Bengaluru, Karnataka.

Assistant Professor of Economics (June 2024 – April 2025)

School of Management, Kristu Jayanti College (Autonomous), Bengaluru, Karnataka

Assistant Professor of Economics (June 2023 – March 2024)

Department of Economics, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu

Publications

Books:

1. Nautiyal, Sunil., Goswami, Mrinalini., and **Premkumar, A.** (2025). “Determinants and Stratification of Household Carbon Footprint: Understanding the Prospect for Climate Change Mitigation and Socioeconomic Co-Benefits”. Springer Nature, Singapore. ISBN: 9819627389. <https://doi.org/10.1007/978-981-96-2739-4> (Co-authored)
2. Arun J.V., and **Premkumar, A.** (2024). “Green India: Pathways to Environmental Sustainability”. Manak Publications, New Delhi. ISBN- 978-93-91897-91-8. (Co-edited)
3. Arun J.V., and **Premkumar, A.** (2023). “Sustainable Transitions in India: Progress and Directions”. Kalpaz Publications, New Delhi. ISBN- 978-93-5722-279-2. (Co-edited)
4. Susairaj, Xavier, A., Sivasankar, V., **Premkumar, A.**, Salaijayamani, A. (2022). “Self-Reliant India: Opportunities and the Way Forward”. Manak Publications, New Delhi. ISBN- 978-93-91897-09-3. (Co-edited)

Papers in Journals:

1. **Premkumar, A.** (2026). Assessing the trade-off between economic growth and solid waste generation: A study of Indian states. *International Journal of Environmental Studies*, 1–21. <https://doi.org/10.1080/00207233.2026.2710982> (Scopus)
2. **Premkumar, A.** (2025). Fostering sustainable solid waste management in Tamil Nadu, India: a contingent valuation approach. *International Journal of Global Environmental Issues*, 24(3), 215-229. (Scopus)
3. **Premkumar, A.** (2025). Socioeconomic drivers of household waste management in Tamil Nadu, India: policies and practices towards zero waste. *Journal of Material Cycles and Waste Management*. <https://doi.org/10.1007/s10163-025-02462-7> (Springer, Scopus, IF- 3)
4. **Premkumar, A.**, Kishan, Ranjeet., Kalaiarasi, D. (2025). Repercussions of climatic variabilities on tea production in Nilgiris district of Tamil Nadu. *Journal of Agrometeorology*, 27(1), 55-58. <https://doi.org/10.54386/jam.v27i2.2902> (Scopus)
5. Goswami, M., **Premkumar, A.**, Kishan, R., Nautiyal, Sunil. (2024). A methodological perspective on inclusive assessment of household carbon footprint. *Environment, Development and Sustainability*. <https://doi.org/10.1007/s10668-024-05390-y> (Springer, Scopus, IF-4.7)
6. **Premkumar, A.** (2024). Assessment of Carbon Footprint from Household Solid Waste in Tamil Nadu, India: Pathways for Achieving Low-Carbon Economy. *Circular Economy and Sustainability*. <https://doi.org/10.1007/s43615-024-00411-4> (Springer, Scopus)
7. Arun, J.V., Kalaiarasi, D., **Premkumar, A.** (2024). Climate Change and its Effects on Prices of Vegetables in Tamil Nadu. *Agricultural Research Journal*, 61 (4), 609-615. <http://dx.doi.org/10.5958/2395-146X.2024.00075.8> (Scopus)
8. Sri Lekha, P Padma., Irshad, CV., Azeez, EP Abdul., **Premkumar, A.** (2024). Association of Exposure to Indoor Air Pollution with Unhealthy Symptoms among Middle-aged and Older Adults in India: Evidence from a Large-scale Survey. *Environmental Health Insights*, 18, 1-16. <https://doi.org/10.1177/11786302241257819> (Sage, Scopus, IF-3)
9. Kalaiarasi, D., **Premkumar, A.**, Sivasankar, V. (2024). Efficiency in the Agriculture Sector of India: A Stochastic Frontier Approach. *Journal of Soils and Crops*, 34(1), 97-105. (UGC CARE Listed)

10. Goswami, M., Maurya, Priyadarshi., Nautiyal, Sunil., Banerjee, Shravani., Gupta, A.K., **Premkumar, A.** (2024). Status of household solid waste in Bengaluru and its periphery: synergies and disjunctions between waste management practices and circular economy. *Journal of Material Cycles and Waste Management*, <https://doi.org/10.1007/s10163-023-01826-1> (Springer, Scopus, IF-3.1)
11. Arun J.V., and **Premkumar, A.** (2023). Water, Sanitation and Hygiene (WASH) Challenges in Urban Settlement of Tamil Nadu: Lessons for Sustainability. *Indian Journal of Environmental Protection*, 43(9), 815-821. (Scopus)
12. Goswami, M., Gupta, A.K., Kishan, Ranjeet., Baidya, Sweta., Khan, I.Y., Prakash, Satya., **Premkumar, A.**, Nautiyal, Sunil. (2023). An evaluation of climate resilient agricultural practices in India: a narrative synthesis of literature. *Environmental Sustainability*, <https://doi.org/10.1007/s42398-022-00255-4>
13. Arun J.V., and **Premkumar, A.** (2022). Sugarcane growth in India: Problems and Prospects. *SAARC Journal of Agriculture*, 20(2), 133-144. <https://doi.org/10.3329/sja.v20i2.63575>
14. Arun J.V., and **Premkumar, A.** (2022). COVID-19 and Livelihood Distress of Tribes in Eastern Ghats: Vulnerabilities and Recovery. *Indian Journal of Economics and Development*, 18(4), 951-957. <https://doi.org/10.35716/IJED/22257> (Scopus)
15. Khan, I.Y., Goswami, M., Gupta, A.K., **Premkumar, A.**, Baidya, S., Prakash, S., Nautiyal, S. (2022). Promoting Climate Smart Agriculture through Policies and Schemes in India: Temporal and Strategic Overview. *International Journal of Ecology and Environmental Sciences*, 48(5), 547-569. <https://doi.org/10.55863/ijees.2022.0547>
16. Arun J.V., and **Premkumar, A.** (2022). Disparities in Tribal Health Infrastructure in India: Roadmap for Improving Health Care Services. *Social Action*, 72, 17-33.
17. Arun J.V., and **Premkumar, A.** (2020). Transformation in Tribal Education: A Study of Eklavya Model Residential Schools. *Tribal Studies: A Journal of COATS*, 8(1): 120-129.

Policy Brief:

1. Nautiyal, Sunil., Goswami, Mrinalini., Kishan, Ranjeet and **Premkumar, A.** (2023). "Household Carbon Footprint of India: A Comprehensive Assessment and Prospecting for Emission Reduction Pathways". (Policy Brief- 53, Institute for Social and Economic Change, Bengaluru)

Letter:

1. Kishan, Ranjeet., **Premkumar, A.** (2024). India's Stand at COP29. *Economic and Political Weekly*, 59 (48). (Scopus)

Chapters in Edited Books:

1. **Premkumar, A.**, Soni, K., Sivasankar, V., Kalaiarasi, D., Muzib, M.M. (2025). CO₂ Emissions, Energy Consumption, and Economic Growth Nexus in Asia: Patterns and Implications. In: Jaswal, A., Mukherjee, D., Gunasekaran, A., Kandpal, V. (eds) Green Futures. Approaches to Global Sustainability, Markets, and Governance. Springer, Singapore. https://doi.org/10.1007/978-981-96-0843-0_11 (Springer-Scopus)
2. **Premkumar, A.**, Kalaiarasi, D., Rohini, A., Murugananthi, D. (2024). Climate Change and Its Effects on Major Crops Production in Assam, India. In: Kaushal Kumar Sharma et al. (eds.), Climate Change and Human Adaptation in India: Sustainability and Public Policy, Springer, Switzerland, pp: 223- 234. https://doi.org/10.1007/978-3-031-55821-4_16 (Springer- Scopus)
3. Nautiyal, Sunil., Prakash, Satya., Goswami, M., **Premkumar, A.** (2023). Impact of Climatic Variations on Crop Yield in Chamoli District, Uttarakhand, India. In: S. Nautiyal et al. (eds.), Palgrave Handbook of Socio-ecological Resilience in the Face of

Climate Change, Springer, Switzerland, pp: 353-369. https://doi.org/10.1007/978-981-99-2206-2_5 (Springer- Scopus)

4. Susairaj Xavier, A., Premkumar, A. (2023). Estimation of Rural Drinking Water Supply in Southern India: A Contingent Valuation Method. In: S. Nautiyal et al. (eds.), Palgrave Handbook of Socio-ecological Resilience in the Face of Climate Change, Springer, Switzerland, pp: 125-137. https://doi.org/10.1007/978-981-99-2206-2_10 (Springer- Scopus)
5. Arun J.V., Premkumar A. (2021). Health Impacts of Contaminated Water in India: Coping Strategies for Sustainable Development. In: Aravind J., Kamaraj M., Prashanthi Devi M., Rajakumar S. (eds) *Strategies and Tools for Pollutant Mitigation*. Springer, Cham, pp: 391-403. https://doi.org/10.1007/978-3-030-63575-6_19 (Springer- Scopus)

Resource person at National/International events:

1. As **Keynote Speaker** during the International Workshop on “Empowering Early Career Researchers in Advancing Climate-Resilient Agriculture Research and Collaboration” held from 5th to 9th January 2026 at **KNSUAHS, Shivamogga, Karnataka, India in collaboration with Natural Resources Institute, University of Greenwich, UK** funded by **British Council- International Science Partnerships Fund and ICSSR, New Delhi**.

Papers Presented in Seminars/ Conferences:

1. Presented a paper on “*Economic Growth and Environmental Degradation Nexus: A Cross-Country Analysis of Emerging Economies*” in a Two-Day National Conference on Changing Dynamics of Economic and Financial Sector: Issue and Challenges for Sustainable Development on 04-05 March 2023 organized by the Department of Economics, Birla School of Social Sciences and Humanities, Birla Global University, Bhubaneswar, India.
2. Presented a paper on “*Challenges to achieve Sustainable Development Goal-3 in India*” in Two-Day National Level Seminar on COVID-19 Crisis and Sustainable Development Goals in India: Pathways for Adaptation and Resilience on 19th and 20th October, 2022 organized by Department of Economics, Government Arts College for Men (Autonomous), Nandanam, Chennai, Tamil Nadu. **(Sponsored by Indian Council for Social Science Research, Southern Regional Centre (ICSSR-SRC), Hyderabad).**
3. Presented a paper on “*Sustainable Development Goals and Plastic Waste Management in Tamil Nadu: A Case Study from Tamil Nadu*” in the National Seminar on India’s Challenges in achieving Sustainable Development Goals: A Midterm Assessment on 29th -30th September, 2022 organized by the Department of Economics, Pondicherry University. **(Sponsored by Indian Council for Social Science Research, New Delhi).**
4. Presented a paper on “*Economic Growth and Infrastructural Development in South India*” in the National Seminar on COVID-19 and Self-Reliant India: Opportunities and the Way Forward on 21st and 22nd March, 2022 organized by Department of Economics, Sacred Heart College (Autonomous), Tirupattur- 635 601, Tamil Nadu. **(Sponsored by Indian Council for Social Science Research, New Delhi).**
5. Presented a paper on “*Tribal Livelihood in the age of COVID-19 and its Effects: Experience from Tamil Nadu*” in Two Days National Seminar on COVID-19 in India: Sustainable Development Goals, Responses and Way Forward on 14th and 15th March, 2022 organized by AN Sinha Institute of Social Studies, Patna. **(Sponsored by Indian Council for Social Science Research, New Delhi).**
6. Presented a paper on “*Seasonal Migration and Tribal Livelihood in Jawadhu Hills: A Case Study from Tamil Nadu*” in Two Days National Conference on Experiences on Decentralization, Tribal Local Self-Governance and Its Implications: Perspectives from

Academics and Policy Makers on 29th and 30th November 2021 organized by Indian Institute of Public Administration, New Delhi in collaboration with **National Tribal Research Institute, New Delhi**.

7. Presented a paper on “Challenges and Opportunities for Small and Medium Size Business (SMEs) arising from Women Entrepreneurs” in National Convention on Atmanirbhar Bharat on 28th and 29th December, 2021 organized by **Indian Institute of Public Administration, New Delhi**.
8. Presented a paper on “*Land Holdings of Tribal Women: Evidence from Agricultural Census*” in the National Seminar on Gender and Domestic Violence: Problems and Prospects of Empowering Tribal Women in South India on 28th & 29th February, 2020 organized by Dr. B.R. Ambedkar Memorial Government Arts & Science College, Kozhikode, Kerala, **(Sponsored by National Commission for Women, New Delhi)**.
9. Presented a paper on “*Educational Status of Scheduled Tribes- A Gender Perspective*” in the National Seminar on Gender and Domestic Violence: Problems and Prospects of Empowering Tribal Women in South India on 28th & 29th February, 2020 organized by Dr. B.R. Ambedkar Memorial Government Arts & Science College, Kozhikode, Kerala, **(Sponsored by National Commission for Women, New Delhi)**.
10. Presented a paper on “*Eklavya Model Residential Schools (EMRSs): Transformation in Tribal Education*” in the National Seminar on An Impact of Developmental Programmes for Social Transformation of Scheduled Castes & Scheduled Tribes on 29th & 30th November, 2019 organized by KBN College, Vijayawada. **(Sponsored by Indian Council for Social Science Research (IMPRESS), New Delhi)**.
11. Presented a paper on “*Tribal Education in North Eastern States of India*” in the National Seminar on Social Development in North East India on 15th 16th July 2019 organized by Council for Social Development, New Delhi, **(Sponsored by Indian Council for Social Science Research, New Delhi)**.
12. Presented a paper on “*Human Resources for Tribal Health: Issues and Challenges*” in the National Seminar on survival challenges of SCs and STs in contemporary India on 08th 09th August 2019 organized by Institute for Development Studies, Jaipur, Rajasthan **(Sponsored by Indian Council for Social Science Research, New Delhi)**.

Training Programmes and Workshops Attended:

1. Participated in **Multinational Symposium on Resilient Planet** organized by British Council of India funded by **International Science Partnerships Fund (ISPF), Government of UK** held on 04/03/2024 to 06/03/2024 at Shangri La Eros, New Delhi.
2. Participated in Research Methodology Course in Social Science Research at Institute for Social and Economic Change (ISEC), Bangalore, dated on 9th March, 2020 to 18th March, 2020, **(Sponsored by Indian Council of Social Science Research, New Delhi)**.
3. Participated in three days pre-conference workshop on “*Time Series Econometrics with Applications*” organized by **The Indian Econometrics Society (TIES)** on 5th to 7th January, 2020 at School of Economics, Madurai Kamaraj University, Madurai, Tamil Nadu.
4. Participated in one week Summer School on “*Health Policy Analysis*” organized by Indian Health Economics and Policy Association (IHEPA), at Centre for Multi-Disciplinary and Development Research (CMDR), dated on 25th June to 30th June, 2019, **(Sponsored by Azim Premji University, Bangalore)**.

5. Participated in One Day National Workshop on “*Evidence-Based Policy Making: Indian Experience with National Databases on GDP, Manufacturing and Employment*”, organized by Madras Institute of Development Studies (MIDS), Chennai, dated on March 20th 2019.
6. Participated in Orientation Programme in Social Science Research at Institute for Studies in Industrial Development (ISID), New Delhi, dated on 26th November to 6th December, 2018, (**Sponsored by Indian Council of Social Science Research, New Delhi**).

Research Projects:

1. As **Principal Investigator** for the project titled “Heatwave Vulnerability in Urban Slums: A Case Study of Jaipur”, funded by the ***Indian Council of Social Science Research (ICSSR), New Delhi***. (Ongoing)
2. As **Co-Principal Investigator** for the project titled “Heatwave Hotspots and Urban Slum Settlements in India: An Integrated Assessment of Major Metropolitan Cities”, funded by the ***National Human Rights Commission (NHRC), New Delhi***. (Ongoing)
3. As **Co-Principal Investigator** for the project titled “Carbon-neutral tourism framework for micro destinations in Maharashtra, integrating eco- and regenerative tourism pathways”, funded by ***Forest Development Corporation of Maharashtra Limited (FDCM), Government of Maharashtra***. (Ongoing)
4. As **Co-Principal Investigator** for the project titled “Exploring Forest Ecology Management and the Role of Societal Knowledge in Governance: A Case Study of Karnataka”, funded by the ***Karnataka Forest Department, Government of Karnataka***. (Ongoing)
5. As **Principal Investigator** for the project titled Effects of Climate Disruption on Tea Cultivation in the Western Ghats of Tamil Nadu: A Climate Smart Approach, funded by the ***Indian Council of Social Science Research (ICSSR), New Delhi***. (Completed)

Events organised:

1. As Co-Convener for the two-day National Seminar on “**GST 2.0 Reforms in India: Sectoral Impact, Changes and Roadmap to Viksit Bharat**” jointly organised by Department of Economics, Pondicherry University, Centre for the Study of Law and Governance, Jawaharlal Nehru University, New Delhi, Institute of Development Studies, Jaipur (IDSJ) and Chanakya University, Bengaluru, in collaboration with ***Indian Council of Social Science Research (ICSSR), New Delhi***, held at Pondicherry University, Puducherry, during 7-8 September 2026.
2. As **Co-Convener** for the two-day National Seminar on “**Green Credit for Climate Resilient and Sustainable India**” jointly organised by Institute for Social and Economic Change (ISEC), Bengaluru and Institute of Development Studies, Jaipur (IDSJ), sponsored by ***Indian Council of Social Science Research (ICSSR), New Delhi***, held at ISEC, Bengaluru, during 20-21 August 2026.

Certifications/ Computer skills:

1. Successfully completed the courses **Introduction to Research, Introduction to Environmental Economics, Economic Growth and Development and Infrastructure Economics** NPTEL Online Certification funded by the Ministry of HRD, Govt. of India.
2. Proficient in **Stata, SPSS, Gretl, Zotero**.

Membership in Professional Bodies:

1. Indian Society for Ecological Economics (INSEE), Life Member.
2. Association of Economists of Tamil Nadu (AET), Life Member.

International Exposure:

1. Participated in the *Early Career Researcher Workshop* at the **Natural Resources Institute, University of Greenwich, United Kingdom**, funded by the **British Council** during August 2025.

Place: Jaipur

Dr. Premkumar A