

# CURRICULUM VITAE

## **Dr. Premkumar A**

Assistant Professor

Institute of Development Studies

8-B, Jhalana Institutional Area, Jaipur – 302004, India

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

**Areas of Specialization:** Environmental Economics; Climate Change Economics; Human–Wildlife Conflict Studies; Ecosystem Services Valuation; Carbon Footprint Assessment; Health Economics; Sustainable Development; Environmental Policy Analysis.

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## **Education:**

### **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.*

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### **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.*

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

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

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### **Bachelor of Arts (B.A.) in Economics (2016)**

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

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## **Work Experience:**

### **Assistant Professor** (February 2026-Present)

*Institute of Development Studies, Jaipur, Rajasthan.*

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### **Faculty of Economics** (August 2025 – February, 2026)

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

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### **Assistant Professor of Economics** (June 2024 – April 2025)

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

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### **Assistant Professor of Economics** (June 2023 – March 2024)

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

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## **Research Project:**

### **As Project Director**

**Project Title:** *Effects of Climate Disruption on Tea Cultivation in the Western Ghats of Tamil Nadu: A Climate Smart Approach* (Completed)

**Funding Agency:** Indian Council of Social Science Research (ICSSR), New Delhi (Ministry of Education, Government of India)

Led the project as Principal Investigator, overseeing all stages from proposal development to field implementation, data analysis, and final reporting. The study focused on assessing climate-induced challenges in tea cultivation and exploring adaptive, climate-smart solutions in the Western Ghats region of 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)

### ***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)

### ***Papers in Journals:***

1. 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)
2. **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)

3. Goswami, M., **Premkumar, A.**, Kishan, R., Nautiyal, Sunil. (2024). A methodological perspective on inclusive assessment of household carbon footprint. *Environment, Development and Sustainability* (2024). <https://doi.org/10.1007/s10668-024-05390-y> (Springer, Scopus, IF-4.7)
4. **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)
5. 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)
6. 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)
7. 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)
8. 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)
9. 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)
10. 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>
11. 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>
12. 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)
13. 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/ijeec.2022.0547>
14. 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.
15. 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.

### ***Chapters in Edited Books:***

1. **Premkumar, A.**, Soni, K., Sivasankar, V., Kalaiarasi, D., Muzib, M.M. (2025). CO<sub>2</sub> 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](https://doi.org/10.1007/978-981-96-0843-0_11) (**Springer-Scopus**)
2. **Premkumar, A.**, Kalaiarasi, D., Rohini, A., Muruganathi, 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](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](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](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](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 5<sup>th</sup> to 9<sup>th</sup> 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 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 19<sup>th</sup> and 20<sup>th</sup> 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 29<sup>th</sup> -30<sup>th</sup> 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 21<sup>st</sup> and 22<sup>nd</sup> 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 14<sup>th</sup> and 15<sup>th</sup> 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 29<sup>th</sup> and 30<sup>th</sup> 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 28<sup>th</sup> and 29<sup>th</sup> 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 28<sup>th</sup> & 29<sup>th</sup> 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 28<sup>th</sup> & 29<sup>th</sup> 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 29<sup>th</sup> & 30<sup>th</sup> 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 15<sup>th</sup> 16<sup>th</sup> 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 08<sup>th</sup> 09<sup>th</sup> 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 9<sup>th</sup> March, 2020 to 18<sup>th</sup> 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 5<sup>th</sup> to 7<sup>th</sup> 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 25<sup>th</sup> June to 30<sup>th</sup> 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 20<sup>th</sup> 2019.
6. Participated in Orientation Programme in Social Science Research at Institute for Studies in Industrial Development (ISID), New Delhi, dated on 26<sup>th</sup> November to 6<sup>th</sup> December, 2018, **(Sponsored by Indian Council of Social Science Research, New Delhi)**.

### ***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.

Date: 26/02/2026

Place: Jaipur

Dr. Premkumar A