

Scientific publications/Books/Conferences/Patents

1. Darmagaru, S., Rahaman, A. F., Jabeen, F., Jukanti, A. K., Kasarla, C., Gowdru Dhananjaya, D. K., **Arivelarasan, T.**, Subba Rao, L., Kallakuri, S., Venkatanagappa, S. & Sundaram, R. M. (2026). Genome-wide association studies for identifying SNPs and candidate genes associated with grain quality traits in rice (*Oryza sativa* L.). *The Plant Genome*, 19(2), e70190.
2. Xavier, G.J., Mohanraj, K., & **Arivelarasan, T.** (2026). Global Evidence on Status, Determinants, Impact and Barriers to Adoption of Agricultural Carbon Credits: A Systematic Literature Review using Bibliometric, TCCM and ADO framework. *Environmental and Sustainability Indicators*, 101156.
3. Manivasagam, V. S., Anuranj, P. R., Parvathy, S., Rasheed, R., Krishna, S. A., Akhil, P. R., Prakash, G., Manalil, S., & **Arivelarasan, T.** (2026). Climate Action Strategies for Sustainable Rainfed Agricultural Systems in Southern India: Economic and Crop Modeling Insights. *Environmental Challenges*, 101412.
4. Kingsly, I.T., Balasubramanian, M., **Arivelarasan, T.**, & Kumar, S. (2025). Water withdrawal and sustainability concerns in sugarcane cultivation in Western India: An application of the SURE model. *Irrigation and Drainage*, 74(2):765-779.
5. Mohanraj, K., Karthikeyan, C., Paramasivam, R., **Arivelarasan, T.**, Umanath, M., Anbarasan, P., Rajasekaran, R., & Kumar, T.P. (2024). Determination of the Factors Influencing Adaptation Strategies of Tank-irrigated Farmers: Empirical Evidence from Tamil Nadu. *Agricultural Science Digest*.
6. Kiruthika, N., Karthick., Senthilnathan, S., **Arivelarasan, T.** (2023). Economic Analysis of Resource Use Efficiency of Turmeric in Erode District of Tamil Nadu, India. *Journal of Scientific Research and Reports*, 29(12):55-60.
7. **Arivelarasan, T.**, Manivasagam, V.S., Geethalakshmi, V., Bhuvaneswari, K., Natarajan, K., Balasubramanian, M., Gowtham, R., & Muthurajan, R. (2023). How Far Will Climate Change Affect Future Food Security? An Inquiry into the Irrigated Rice System of Peninsular India. *Agriculture*, 13(3):551.
8. Meraj, S., Senthilnathan, S., Saravanakumar, V., **Arivelarasan, T.**, & Manivasagam, V.S. (2021). Climate Risks, Farmers Perception and Adaptation Strategies to Climate Variability in Afghanistan. *Emirates Journal of Food and Agriculture*, 33(12): 1038-1046.

9. **Arivelarasan, T., & Sekar, C.** (2019). Food Consumption Pattern of Cauvery Delta Region of Tamil Nadu-An Application of Quadratic Almost Ideal Demand System (QUAIDS), *Economic Affairs*, 64(2):361-366.
10. Balasubramanian, M., Anbukani, P., Nithyashree, M. L., Krishna Reddy, K., & **Arivelarasan, T.** (2019). Adoption and impact of water-saving technologies in the Nagarjuna Sagar Project area of Andhra Pradesh. *Agricultural Economics Research Review*, 32 (2), 229-237.
11. Karunakaran, K.R., **Arivelarasan, T., & Udhaya kumar, M.** (2019). Farm Mechanization and Agricultural Growth in Eastern India, *International Journal of Agricultural Sciences* 15(2), 239-249.
12. Sivaramane, N., Ganesh Kumar, B., Ranjit Kumar, **Arivelarasan. T.** (2018). Mapping of Diverse Production System of Finger Millet (*Eleusine Coracana* L.) In Tamil Nadu. *Multilogic in Science*, 8:361-367
13. Jenny, K., **Arivelarasan, T., & Latika Devi, Y.** (2018) Time Series Modeling for Forecasting of Maize Production and Prices in India, *Research Journal of Agricultural Sciences* 9(1), 132-136.
14. Latika Devi, Y., **Arivelarasan, T., & Jenny, K.** (2017). Pulses Production in India: Trend and Decomposition Analysis. *Economic Affairs*, 62(3).
15. Balaji, S. J., **Arivelarasan, T., Surendran, A., & Anbukani, P.** (2017). Pattern, Expenditure and Inequality in Food and Non-Food Consumption among Rural Households-A Micro Level Study in Tamil Nadu, *Indian Journal of Economics and Development*, 13(1):105-110. (**Impact Factor: 0.3**) (Q4).

Book Chapters/Books

- Palanisami K., Panneerselvam S., & **Arivelarasan T.** (2021) Scaling-up Technology Adoption for Enhancing Water Use Efficiency in India. In: Wani S.P., Raju K., Bhattacharyya T. (eds) *Scaling-up Solutions for Farmers*. Springer, Cham. https://doi.org/10.1007/978-3-030-77935-1_10
- Kavitha, B., & **Arivelarasan, T.** (2020) Future Challenges of Ground Water Usage in Agriculture – Policy Options to Sustain Ground Water Resources in Tamil Nadu. *Groundwater Resource Management for Sustainable Development: Special Emphasis on Coastal and Urban Environment*. CERDM, Kozhikode

- **Arivelarasn, T., & Alagumani, A. (2014).** An Application of Data Envelopment Analysis on Rice Farming. Fuel (Feed, Unite, Educate & Lead) the Future. University Press, Tamil Nadu Agricultural University
- **Arivelarasan, T., Umamaheshwari, M., & Balasubramanian, M. (2017).** Agricultural Economics (For Competitive Examinations - ARS/NET/SRF/JRF). Sri Sakthi Promotional Litho Process. *ISBN (9788193429402)*

National/International conferences

- Presented our work, titled "A novel coupled approach (AquaCropEconomic Model) to explore future climate response to food security" in XVI AGRICULTURAL SCIENCE CONGRESS & ASC EXPO, 2023, organized by National Academy of Agricultural Sciences (NAAS), Kochi during October 10-12, 2023.
- Participated in a conference titled “Sustainable Agriculture to FUEL (Feed, Unite, Educate & Lead) the Future”, TNAU Coimbatore, 6th& 7th May-2014.
- Participated in a conference titled “First Agricultural Graduate Student Conference on Food Safety and Food Security”, TNAU Coimbatore, 2nd& 3rd May-2013