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FOCARS batch of ARS and joined ICAR on 4<sup>th</sup> Jan 2018. He joined NIAP on 27<sup>th</sup> November 2019 and before that, he worked as a scientist at ICAR-CSSRI, Karnal, Haryana. His research priority areas include valuation of ecosystem services, carbon markets, sustainability assessment, natural resources, and environmental economics. He has been associated with various national and international consultancy research projects. He has estimated the value of ecosystem services and the carbon sequestration potential of sustainable agricultural practices in the Indian agricultural landscape. He has published more than 20 research papers and book chapters in peer-reviewed journals.

#### **Recent Publications:**

- **Kumara, K.T.M.**, BIRTHAL, P.S., Meena, D.C & Kumar, A. (2024). Economic valuation of ecosystem services of selected interventions in agriculture in India. IFPRI Discussion Paper 2250. Washington, DC: International Food Policy Research Institute. <https://www.ifpri.org/publication/economic-valuation-ecosystem-services-selected-interventions-agriculture-india>
- **Kumara, K.T.M.**, Pal, S., Chand, P., & Kandpal, A. (2023). Carbon sequestration potential of sustainable agricultural practices to mitigate climate change in Indian agriculture: A meta-analysis. *Sustainable Production and Consumption*, 35, 697-708. <https://doi.org/10.1016/j.spc.2022.12.015> .
- **Kumara, K. T.M.**, Pal, S., Chand, P., & Kandpal, A. (2023). Carbon sequestration potential of agroforestry systems in Indian agricultural landscape: A Meta-Analysis. *Ecosystem Services*, 62, 101537. <https://doi.org/10.1016/j.ecoser.2023.101537> .
- **Kumara, K.T.M.**, BIRTHAL, P.S. & Meena, D.C. (2023). The Value of Ecosystem Services from Sustainable Agricultural Practices in India: Implications for Repurposing Agricultural Subsidies (Lead paper). International Conferences on Sustainable Natural Resource Management under Global Climate Change. November 7-10, 2023. Pp 66- 72.
- Kandpal, A., **Kumara, K. T.M**, & Pal, S. (2023). Does conservation agriculture promote Sustainable intensification in the rice-wheat System of the Indo-Gangetic plains in

India? Empirical evidences from on-farm studies. *Current Science*, 1188-1193.  
10.18520/cs/v124/i10/1188-1193.

- **Kumara K. T. M.**, Kumar, S., Immanuelraj, K., Kandpal, A., & Kumar, B. (2022). Optimization of tank irrigation systems in the rainfed region of Andhra Pradesh. *Indian Journal of Agricultural Sciences*. 92 (5): 648–51.  
<https://doi.org/10.56093/ijas.v92i5.124792>
- **Kumara, K, T.M.**, R. Sendhil, Kandpal, A & R. Raju. (2021). An Insight into Wage Dynamics and Inequality Scenario under Changing Landscape of Rural India. *Indian Journal of Economic and Development* 17(4):717-730.  
<https://doi.org/10.35716/IJED/21150>
- **Kumara, K, T.M.**, Ankita, K., & Suresh, P. (2020). A meta-analysis of economic and environmental benefits of conservation agriculture in South Asia. *Journal of Environmental Management* 269:110773 <https://doi.org/10.1016/j.spc.2022.12.015>
- Sendhil, R. **Kumara, K, T.M.**, Ramasundaram, P., Manjisha, Sinha & Sheela Kharkwal. (2020). Nutrition Status in India: Dynamics and Determinants. *Global Food Security*. 26, 1-11. <https://doi.org/10.1016/j.gfs.2020.100455>
- **Kumara, K., T. M.**, Kumar, S., Aditya, K. S., Singh D. R., Kingsly, I., Kallega , H.K. & Singh, P. L. (2020). Economic impact of tank rehabilitation in the rainfed region of India. *Indian Journal of Agricultural Sciences* 90 (3):138-141.  
<https://doi.org/10.56093/ijas.v90i3.101490>
- **Kumara, K, T.M.**, Ankita, K. & Suresh, P. (2019). Determinants and impacts of conservation agriculture in South Asia: a meta-analysis of the evidences. *Indian Journal of Agricultural Economics* 74, 311–320. <https://isaeindia.org/wp-content/uploads/2020/11/02-Article-TM-Kiran-Kumara.pdf> .
- **Kumara, K, T.M.** & Kumar, S. (2019). Dynamics of community-based tank irrigation systems in India: A case study of Andhra Pradesh. *Indian Journal of Extension Education*. 55(4): 116-121.  
<https://www.indianjournals.com/ijor.aspx?target=ijor:ijee3&volume=55&issue=4&article=021>

### **Policy Papers**

- Nikam, V., H. Veesam, **Kumara, K, T.M.** & P. Chand. (2023). Farmer Producer Organizations in India: Challenges and Prospects, Policy Paper 40, ICAR-National Institute of Agricultural Economics and Policy Research (NIAP), New Delhi.  
<https://niap.icar.gov.in/pdf/pp40.pdf>
- Prem chand, **Kumara, K, T.M.**, Suresh Pal & Kalu Naik. (2024). A Spatial Assessment of Sustainability in Indian Agriculture, Policy Paper 42, ICAR-National Institute of Agricultural Economics and Policy Research (NIAP), New Delhi.  
<https://niap.icar.gov.in/pdf/pp42.pdf>