

Kiran Kumara T M, PhD

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EDUCATION

ICAR-Indian Agricultural Research Institute, New Delhi (2014-2018)

PhD in Agricultural Economics: Economic Assessment of Community Based Tank Irrigation Systems in Rainfed Region of Andhra Pradesh

ICAR-Indian Agricultural Research Institute, New Delhi (2012-2014)

MSc in Agricultural Economics: An Economic Analysis of Organic Farming in Nashik District of Maharashtra

University of Agricultural Sciences, Bangalore (2008-2012)

BSc in Agriculture

RESEARCH EXPERINACE

Agricultural Research Scientist, Central Soil Salinity Research Institute (CSSRI), Indian Council of Agricultural Research, Ministry of Agriculture and Farmers Welfare (2018- 2019)

- Mapping of area under salt tolerant basmati variety CSR 30 in salt affected region of India
- Assessment of economic impact of salt tolerant basmati variety CSR 30 in India using economic surplus model
- Impact Assessment of Salt Tolerant Wheat Variety KRL 210 in Salt Affected Regions

Agricultural Research Scientist, National Institute of Agricultural Economics and Policy Research (NIAP), Indian Council of Agricultural Research, Ministry of Agriculture and Farmers Welfare (2019-present)

- Assessment economic and environmental benefits of conservation agriculture over conventional system in South Asia using meta-analysis framework.
- Developed bio-physical, economic and social dimensions of agricultural sustainability in different agro-ecological regions of India and measured agricultural sustainability using composite agricultural sustainability index.
- Evaluation of Successful Interventions of the Integrated Livelihoods Support Project (ILSP) of Uttarakhand and the Lessons for Out-scaling

- Assessing ecosystem services from sustainable agricultural management practices
- Assessment of inclusive agricultural development in hilly and arid region of India
- Review and suggest the state specific agroforestry policies, and evaluate and customize different financial products for tree based enterprises (TBEs)

PhD Research, Division of Agricultural Economics, ICAR-Indian Agricultural Research Institute, New Delhi (2014-2018)

- To study the status and collective management of community based tank irrigation in Andhra Pradesh.
- To assess the direct and indirect economic impact of Andhra Pradesh Community Based Tank Management Project in improving income, employment, and equity.
- To ascertain management of tanks by Water User Association in terms of renovation in sustaining tanks for future agricultural development.
- To develop alternative plans for maximization of farm income under the various scenarios of improved tank irrigation system.

MSc Research, Division of Agricultural Economics, ICAR-Indian Agricultural Research Institute, New Delhi (2012-2014)

- To study the adoption, determinants and constraints of organic farming
- To examine the impact of organic farming on resource use, profitability and employment in selected crops
- To study the credit, subsidy, and marketing linkages, contractual arrangement and to assess the future prospect of organic farming

RESEARCH PROJECTS

- Impact Assessment of Salt Tolerant Wheat Variety KRL 210 in Salt Affected Regions
- Assessing Impacts of Conservation Agriculture in South Asia: A Meta-Analysis Agricultural Sustainability in India – A Parametric Study
- Sustainable Intensification of Agriculture
- Network project on ecosystems, agribusiness and institutions
- Tree Outside Forest in India (TOFI)

AWARDS AND FELLOWSHIPS

- Best oral presentation award 30th National Web Conference on Soil and Water Management Technologies for Climate Resilience, Agricultural and Environmental Sustainability (14-16 December, 2021) organized by Soil Conservation Society of India, New Delhi
- Junior research fellowship by ICAR for MSc in Agricultural Economics

- Junior research fellowship by University Grant Commission for PhD in Agricultural Economics
- Rajeev Gandhi National Fellowship by University Grant Commission

PARTICIPATION IN CONFERENCES, WORKSHOPS AND TRAININGS

- Workshop on Smart Resource Productivity Management (16-18 March, 2020)
- Workshop on “TEEB Implementation: Promoting a Sustainable Agriculture and Food Sector (13th July, 2020)
- TEEB AgriFood Asia Symposium (24-25th March, 2020)
- Oral presentation at 30th National Web Conference on Soil and Water Management Technologies for Climate Resilience, Agricultural and Environmental Sustainability (14-16 December, 2021) organized by Soil Conservation Society of India, New Delhi
- Oral presentation at Golden Jubilee International Salinity Conference on Resilient Agriculture in Saline Environments under Changing Climate: Challenges & Opportunities (February 7 – 9, 2019)
- Oral presentation on Determinants and impact of conservation agriculture: A meta-analysis. Presented in National Seminar on Sustainable Agriculture organized by ICAR-NIAP, New Delhi during 06th March 2020.

PUBLICATIONS

- **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. DOI: 10.1016/j.jenvman.2020.110773.
- Sendhil, R. **Kumara, K, T.M.**, Ramasundaram, P., Manjisha, Sinha and Sheela Kharkwal. 2020. Nutrition Status in India: Dynamics and Determinants. *Global Food Security*. DOI: 10.1016/j.gfs.2020.100455
- **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.
- **Kumara, K., T. M.**, Kumar, S., Aditya, K. S., Singh D. R., Kingsly, I., Kallega , H.K. and Singh, P. L. 2020. Economic impact of tank rehabilitation in rainfed region of India. *Indian Journal of Agricultural Sciences* 90 (3):138-141.
- **Kumara, K, T.M.**, Kumar, S., Singh D. R., Kingsly, I. 2018. Participation in community based tank irrigation system in a rainfed region of India. *Indian Journal of Agricultural Sciences* 88 (4): 596–600,

- **Kumara, K, T.M.**, R. Sendhil, Ankita Kandpal, P.C. Sharma and 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.
- **Kumara, K, T.M.** and 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.
- Arghyadeep Das, R.Raju and **Kumara, K, T.M.**, 2020. Performance and Determinants of Exports of Coffee from India: A Post-WTO Scenario. *Indian Journal of Agricultural Economics* 75(4):546-559