

## Research Publication in Peer-Reviewed Journals (2019-20)

1. Nikam, V., Singh, P., Kumar, S. and Arathy, A. (2019). Farmers producers organisations: A new paradigm in extension for upliftment of small and marginal farmers. *Indian Journal of Agricultural Sciences*, 89(9): 15-24.
2. Patel, R.M., Sharma, A.N. and Sharma, P. (2019). Prediction of *Helicoverpa armigera* (Hubner) larval population using weather based forewarning model in soybean. *Journal of Agrometeorology*, 21(4): 494-498.
3. Singh, N.P., Singh, S., Anand, B. and Bal, S.K. (2019). Climate vulnerability assessment in semi-arid and arid region of Rajasthan, India: An enquiry into the disadvantaged districts. *Journal of Agrometeorology*, 21(2): 197-202.
4. Singh, N.P., Singh, S., Anand, B. and Ranjith, PC. (2019). Assessing the impact of climate change on crop yields in Gangetic Plains Region, India. *Journal of Agrometeorology*, 21(4): 452-461.
5. Srivastava, S.K., Singh, N.P., Singh, J., Rao, K.V. and Balaji, S.J. (2019). Agriculture development based mapping of agro-ecological sub-regions and its implications for doubling farmers' income in India. *Current Science*, 117(2): 282-287.
6. Singh, N.P., Anand, B. and Khan, M.A. (2019) Assessment of household perceptions to climate adaptation for resilient rural development planning in India. *Indian Journal of Traditional Knowledge*, 18(2): 376-382
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8. Sam, A.S., Abbas, A., Subash, S.P., Kächele, H., Kumar, R. and Müller, K. (2019) Linking food security with household's adaptive capacity and drought risk: Implications for sustainable rural development. *Social Indicators Research*, 142(1): 363-385.
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10. Ghosh, S., Kolady, D.E., Das, U., Gorain, S., Srivastava, S.K. and Mondal, B. (2019). Spatiotemporal variations in effects of participatory irrigation management (PIM) reform in India: A panel data analysis, *Agricultural Water Management*, 222: 48-61.
11. Birthal, P.S., Jaweria, H. and Negi, D.S. (2019). Diversification in Indian agriculture towards high value crops: Multilevel determinants and policy implications. *Land Use Policy*. <https://doi.org/10.1016/j.landusepol.2019.104427>.

12. Birthal, P.S. and Jaweriah, N. (2019) Crop diversification and resilience of agriculture to climatic shocks: Evidence from India. *Agricultural Systems*, 173: 345-354.
- Birthal, P.S., Jaweriah, H. and Negi, D.S. (2019). A multilevel analysis of drought risk in
13. Indian agriculture: Implications for managing risk at different geographical levels. *Climatic Change*. <https://doi.org/10.1007/s10584-019-02573-9>.
- Singh, N.P., Anand, B., Singh, S. and Khan, M.A. (2019) Mainstreaming climate adaptation
14. in Indian rural developmental agenda: A micro macro convergence. *Climate Risk Management*, 24: 30-41.
- Sabu, S.S., Kuruvila, A., & Subash, S.P. (2020). Price Volatility of Black Pepper in Kerala:
15. Could Institutional Mechanism such as Contract Agreement be a Solution? *Indian Journal of Agricultural Economics*, 75(2), 166-185.
- Bhutia, T.P., Yadav, V.K., Qureshi, N.W., Kumar, N.R., Ojha, S.N. (2020). Comparative
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- Saxena, R., Paul, R.K. and Kumar, R. (2020). Transmission of price shocks and volatility
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- Venkatesh, P., Pal, B.D., Dubey, S. K., Sangeetha, V., Balasubramanian, M., Renjini, V. R.,
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19. promotion policy options, and their impact on the Indian economy: a social accounting matrix (SAM) approach. *Agricultural Economics Research Review* 33(1): 9-21.
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- Nikam, V., Kumar, S., Kingsly, I., Balaji, S. J., Jhahhria, A., Chahal, R. and Kumar, D. (2020).
21. Economic potential of AVIKASIL-S technology for estrus synchronization in sheep. *The Indian Journal of Animal Sciences*, 90(3):139-141.
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26. Kumara, K.T.M., Kumar, S. and Aditya K. S., Singh, D. R., Immanuelraj, K., Kallega, H. and Singh, P. L. (2020). Economic Impact of Tank Rehabilitation in Rainfed Region of India. *Indian Journal of Agricultural Sciences*, 90(3):138-141.
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28. Rai, M. P., Chand, K. C., Kalvaniya, H. S., Agarwal, T., Sharma,P.C. and Jat, M.L. (2020) How profitable climate smart agricultural practices are? Voice of farmers from rice-wheat ecologies. *Indian Journal of Agricultural Sciences* 90 (7): 1271-1276.
29. Subash, S.P., Balaji, S.J., and Pal, S. (2020). Agricultural input markets in India – Recent policy reforms and way forward: A review. *Indian Journal of Agricultural Sciences*, 90 (6):1047–1053.
30. Singh, N.P., Srivastava, S. K., Sharma, S., Anand, B. and Singh, S. (2020). Dynamics of socio-economic factors affecting climate vulnerability and technology adoption: Evidence from Jodhpur district of Rajasthan. *Indian Journal of Traditional Knowledge*, 19(1): 192-196.
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35. Kumara, K.T.M., Kandpal, A. and Pal, S. (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.
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