



Dr. Vinayak R. Nikam

Senior Scientist (Agril. Extension),

ICAR-National Institute of Agricultural Economics and Policy
Research (NIAP), New Delhi.

Dr. Vinayak earned his undergraduate degree from MPKV, Rahuri, Maharashtra, followed by a post-graduate and Ph.D. from the prestigious Indian Agricultural Research Institute (IARI), New Delhi. A member of the 2010 ARS batch, he joined ICAR on 1st January 2013 as part of the 97th FOCARS cohort.

Dr. Vinayak began his career as a Scientist at ICAR-CSSRI RRS, Bharuch, Gujarat, before moving to ICAR-NIAP in November 2015. His research expertise spans across key areas including Extension and Advisory Services (EAS), Farmer Producer Organisations (FPOs), impact assessment of agricultural technologies, gender & climate change, and evaluation of flagship programs such as Farmer FIRST and Trees Outside Forests in India (TOFI).

In addition to his research responsibilities, Dr. Vinayak serves as a faculty member in the Division of Agricultural Extension at ICAR-IARI, New Delhi, where he is actively involved in teaching and mentoring postgraduate students, guiding them in impactful agricultural research.

Recent Publications

Books:

1. Quantitative Methods for Social Sciences. Edited by Dr. Vinayak Nikam, Abimanyu Jhahria and Suresh Pal. Published by Director ICAR-National Institute of Agricultural Economics and Policy Research, New Delhi. Oct 2019. ISBN number: 978-81-940080-2-6.

Policy Paper:

1. Nikam V., Veeram H., Kumar K. and Chand P. (2023). Farmer Producer Organisations in India: Prospects and challenges. Policy Paper no. 40, National

Research articles (in chronological order)

1. Veeram H, Nikam V* and Ray, M. (2025). An institutional analysis of performance and impact of farmer producer organizations using PLS path modelling. *Evaluation and Program Planning* 111 (2025) 102609. (NAAS Score-7.5)
2. Veeram H, Nikam V* and Chand P. (2025). Evaluating the effectiveness of extension and advisory services by Farmer Producer Organisations: an application of 'best fit' framework. *The Journal Of Agricultural Education and Extension*. <https://doi.org/10.1080/1389224X.2025.2496182> (NAAS score: 8.9)
3. Prem Chand, Kamlesh Acharya, Vinayak Nikam, Kiran Kumara T.M., Manoj Dabas, K. T. Parthiban and Vir Narayan (2025) Tree Insurance in India: Status, Challenges, and Policy Options for Agricultural Coverage. *Indian Journal of Agricultural Economics* 79: 4:1007-1026. DOI:10.63040/25827510.2024.04.008 (NAAS Score-5.6)
4. Kale RB, Dangi PA, Nikam V, Khandagale K, Gadge SS and Mahajan V (2025) How are new collective models transforming support for smallholder farmers? Empirical evidence from thematic and sentiment content analysis. *Front. Sustain. Food Syst.* 8:1542676. DOI: 10.3389/fsufs.2024.1542676 (NAAS Score-9.7)
5. Pasupuleti Sahithi , Vinayak Nikam, Sitaram Bishnoi, K.V. Praveen, N.V. Kumbhare, Mrinmoy Ray, Haripriya Veeram and Suresh Kumar Bishnoi (2025). Analysing the Mango Value Chain of FPOs using Porter's Value Chain Model. *Journal of Community Mobilization and Sustainable Development*. 20(1): 101-107. DOI: 10.5958/2231-6736.2025.00016.8 (NAAS Score-5.02)
6. Nikam, V., Veeram, H., Kumara, K. and Chand, P. (2024). How Farmer Producer Organizations are Functioning in India?: An Empirical Evidence from a Mixed Method Research Synthesis. *Economic and Political Weekly*, 59 (22): 62-68.

7. Agrawal R. C., Das L., Jain R., Kishore P., Nikam V. and Devi M. (2024). Nutri-garden for nutritional security and diversity: Some insights from POSHAN Abhiyan. *Agricultural Economics Research Review* 36 (2): 227-235. DOI: 10.5958/09740279.2023.00035.6 (NAAS Score-5.15)
8. Veeram H. and Nikam V. (2024). What Determines Farmers' Participation in the Farmer Producer Organizations: Empirical Evidence from India. *Journal of Agricultural Science and Technology*. 26 (6):1245-59. DOI: 10.22034/JAST.26.6.1245. (NAAS Score-7.20)
9. Mukherjee Sweetie, R.N. Padaria, R.R. Burman, Vinayak R. Nikam, Girijesh Singh Mahra, Kaustav Aditya, Bidisha Chakrabarti, Kotha Shrivani and Sushmita Saini (2024) Exploring Farmers' Awareness of Digital Platforms for Extension and Advisory Services: An Analytical Perspective on Key Determinants. *Journal of Community Mobilization and Sustainable Development*. 19(3): 577-583. DOI: 10.5958/2231-6736.2024.00192.9 (NAAS Score-5.02)
10. Veeram H., Nikam V*, V Sangeetha, Kumar P, Ray M, Mahra G S and Mahapatra A. (2024). Constraints Faced by Members of FPOs in Telangana and Andhra Pradesh. *Journal of Community Mobilization and Sustainable Development*. 19(1):195-200. doi.org/10.56093/ijas.v85i4.47952 (NAAS Score-5.02)
11. Pasupuleti Sahithi, Vinayak Nikam, Sitaram Bishnoi, Kumbhare NV. (2024). Mapping the Mango Value Chain of Farmer Producer Organizations in Andhra Pradesh and Telangana State of India. *Indian Res. J. Ext. Edu.* 24 (1):75-77 (NAAS Score-4.99)
12. Mahapatra Ankit, Nikam V*, Mrinmoy Ray, Sudipta Paul and Mahra G S. (2023). Farmer Producer Organization for Turmeric Growers in Tribal Region of Odisha: Success Factors and Constraints. *Indian Res. J. Ext. Edu.* 23 (2):96-101. (NAAS Score-4.99)
13. Nikam V., Ashok A., Pal S. (2022). Farmers' information needs, access and its impact: Evidence from different cotton producing regions in the Maharashtra state of India. *Agricultural Systems*, 196:103317.

<https://doi.org/10.1016/j.agsy.2021.103317> (NAAS Score-12.60)

14. Nikam V., Arathy A. & Kale R. B. (2022). The functionality of agricultural extension and advisory services from a system perspective: a subnational level analysis in India, *The Journal of Agricultural Education and Extension*. <https://doi.org/10.1080/1389224X.2022.2117212>. (NAAS score: 8.9)
15. Mahapatra A, Nikam V*, Paul S., Ray M. and Mahra G.S. (2022). A Functional Analysis of Extension and Advisory Services Offered by Farmer Producer Organisation in Tribal Region of Odisha. *Journal of Community Mobilization and Sustainable Development*, 17(3), :711-717. (NAAS Score-5.02)
16. Nikam V., Kumar S. and Kingsly I M. (2021). Social Network Factors Affecting Adoption of ICT in Agriculture *Indian Journal of Agricultural Sciences*, 91 (2):13-17. (NAAS Score-6.4)
17. Darekar Ashwini, Nikam V* and Mahapatra A. (2021). Consumer Awareness, Sentiments and Behavioural Changes Related to Food Items During COVID-19 Pandemic. *International J. of Ext. Educ.* Vol. 16: 48-53. (NAAS Score-3.91)
18. Nikam V., Kumar S., Kingsly I, Balaji S J, Jhahria A., Chahal R. & Kumar D. (2020). Economic potential of AVIKASIL-S technology for estrus synchronization in sheep. *The Indian journal of animal sciences*, 90(3):139-141. (NAAS Score-6.4)
19. Balaji S J, Kumar S, Nikam V, Kingsly I T, Jumrani J, Joshi V. and Kumar A. (2020). Impact of direct seeded rice technology adoption on farm income in Punjab. *Indian Journal of Agricultural Sciences*, 90 (3): 625–8. (NAAS Score-6.4)
20. Nikam V, Kumar S, Kingsly I M and Roy M. (2020). Farmers Mobile Use Pattern, Information Sources and Perception about Mobile App for Grapes. *Indian Journal of Extension Education*, 56 (1):77-83. (NAAS Score-4.48)
21. 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.(NAAS Score-6.4)

22. Nikam V, Kumar S.and Kingsly I M. (2019). Impact assessment of Mobile App Using the Economic Surplus Model. Indian Journal of Agricultural Sciences, 89(6):1039-43 (NAAS Score-6.4)
23. Mukherjee A, Singh P., Rakshit S., Satya Priya, Burman R., Kumari S., Sinha K. And Nikam V. (2019). Effectiveness of poultry based Farmers' Producer Organization and its impact on livelihood Enhancement of rural women Indian Journal of Animal Sciences, 89(10): 1152–1160. (NAAS Score-6.4)
24. Jaybhay S.A., S.P. Taware, Philips Varghese and Nikam V.R. (2018). Soybean cultivation by farmers of Maharashtra: Identification and analysis of the problems. Legume Research, 41 (3) : 474-479. (NAAS Score-6.8)
25. Chinchmalatpure A, Kumar S, Rao G, Nikam V, Prasad I, Camus D and Sharma D K .(2018). Impact of irrigation on soil characteristics of saline Vertisols of Bara tract under Sardar Sarovar canal command of Gujarat. Journal of the Indian society of soil sciences. 66 (4): 381-385. (NAAS Score-5.31)
26. Nikam V., Chinchmalatpure A., G Gururaja Rao, Kad S. and Sharma DK. (2018). Farmers Perception, Economic Viability and Constraints in Desi Cotton Cultivation in Dryland Salinity of Gujarat. Journal of Soil Salinity and Water Quality, 10(1): 118-125. (NAAS Score-5.03)
27. Kumar S, Immanuelraj K, Nikam V, Balaji S.J., Joshi V, Shah S A. (2018). An Econometric Analysis of Structural Factors of Pulse Production in India: The Case of Chickpea in Maharashtra. Agricultural Economics Research Review, 29: 200. (NAAS Score-5.15)
28. Kumar R., Premlata Singh, Nikam V*, Satyapriya and Tomar B S. (2017). Good practices and lessons learnt from innovative Horticultural farmers for enhancing profitability and sustainability Indian Journal of Agricultural Sciences, 87 (1): 97–101. (NAAS Score-6.4)

29. Nikam V and Kumar S. (2017). Agriculture and Extension Policies in India: Connect and Disconnect with Nutrition. Indian Journal of Nutrition, 4(2):161
30. Prasad I, G. Gururaja Rao, Chinchmalatpure A., Kumar S, Nikam V, Singh C., and Sharma D. K. (2016). Morphophysiological Traits Imparting Salinity Tolerance in Maize (*Zea mays* L.) Hybrids under Saline Water Irrigation in Vertisols. Communications in Soil Science and Plant Analysis, 47(16):1930–1939. (NAAS Score-7.8)
31. Kumar R, Sing P., Nikam V*. And Sharma J P. (2016). Farmer-led innovations: Best practices and lessons learnt in livestock rearing. Indian Journal of Animal Sciences, 86 (7): 816–821. (NAAS Score-6.4)
32. Nikam V, Chinchmalatpure A. and Kad S. (2016). Farmers Perception About Salt Tolerant Wheat Varieties in Saline Areas of Gujarat. Indian Journal of Extension Education, 52 (1 & 2): 61-64) (NAAS Score-4.48)
33. Nikam V., and Singh P. (2016). Study of Behavioural Traits of Grape Exporters in Maharashtra. Indian Res. J. Ext. Edu., 16 (2):19-24 (NAAS Score-4.99)
34. Nikam V, Singh P., Satyapriya and Sharma D.K. (2016) Nature and effectiveness of extension services provided by producers organization. Annals of Agri Research, 37(2):215-223. (NAAS Score-4.62)
35. G. Gururaja Rao, Sanjay A, Nikam V and. Sharma D.K (2016). Prospects and impact of cultivating salt tolerant varieties of cotton and wheat in coastal saline soils of Gujarat. Indian Journal of Soil Conservation, 44(3): 308-313. (NAAS Score-4.63)
36. Nikam V, RK Singh and Chinchmalatpure A. (2016). Salt Tolerant Varieties: A Biological Intervention to Manage Saline and Sodic Environment and Sustain Livelihoods. Journal of Soil Salinity and Water Quality 8(1), 37-44. (NAAS Score-5.03)
37. Nikam V R, Singh P., Kumar S. and Chahal V. (2015). Attitude of farmers towards grape cultivation and export. Indian Journal of Agricultural Sciences, 85 (4):136- 139. (NAAS Score-6.4)

38. Kumar R, Singh P, Nikam V and Sharma J.P. (2015). Analysis of Personal, Social and Behavioural Traits Facilitating the Success of Innovative Farmers. Journal of Community Mobilization and Sustainable Development Vol. 10(1), 117-124. (NAAS Score-5.03)
39. Nikam V. Singh P., Kumar S. and Rakesh ES. (2014). Constraints analysis of Mahagrapes farmers. Indian Journal of Extension Education, 50 (3 & 4): 32-35 (NAAS Score-4.48)
40. Nikam V R, Singh P., Kumar S. and Vijayaraghavan K. (2014). Determinants of success of Mahagrapes as perceived by members. International Journal of Extension Education, 10:111-114. (NAAS Score-3.91).
41. Prasad HDV, P Singh, I Prabhakar, Nikam V. (2012). Contract Farming: Growth in Export of Gherkin in Karnataka. Environment and Ecology 30 (1), 30-31. (NAAS Score-4.87).