

## Brief Resume of Dr. Vinayak Nikam

Dr. Vinayak Ramesh Nikam is working as scientist (Agricultural Extension) at National Institute of Agricultural Economics and Policy Research (NIAP), New Delhi. He graduated from MPKV Rahuri, Maharashtra and completed post-graduation and PhD from Indian Agricultural Research Institute, New Delhi. He belongs to 2010 batch of ARS and joined ICAR on 1<sup>st</sup> Jan 2013 (97th FOCARS). He joined the



NIAP on 18<sup>th</sup> Nov 2015 and before that he worked as scientist (Agricultural Extension) at ICARCSSRI RRS Bharuch, Gujarat. He also holds faculty membership in PG faculty in the discipline of Agricultural Extension of Indian Agriculture Research Institute, New Delhi. His research interest includes impact assessment of agricultural technologies, performance and impact assessment of extension and advisory services (EAS) in India. Dr. Vinayak is also faculty member at Division of Agricultural Extension, ICAR-Indian Agricultural Research Institute, New Delhi and involved in teaching (Management courses), training activities (CAFT trainings) and guiding the students for research.

### **Awards / fellowships / distinctions**

1. Young Scientist Award by Indian Society of Extension Education, New Delhi in 2018
2. Young Scientist Award by Society of Extension Education, Agra in 2018
3. Recognition as research guide by Post graduate school of Indian Agricultural Research Institute, New Delhi in 2019.
4. ICAR JRF AIR 4 in social science and ICAR fellowship for MSc
5. Secured Second rank in All India Combined Examination for Admission in Ph.D in IARI and awarded IARI Fellowship for PhD during 2009 to 2013
6. Cleared National Eligibility Test (NET) conducted by ICAR.
7. Cleared National Eligibility Test (NET) conducted by UGC.

### **Research Experience**

1. PI of project "Prospects of cultivating desi cotton genotypes and salt tolerant wheat varieties in saline Vertisols, sponsored by ICAR CSSRI Karnal (Jan 2014 to Nov 2015), Funded by CSSRI, Karnal, Haryana.

2. Co-PI of the project "Social Science Network project on impact assessment of Agricultural research and development" sponsored by ICAR (Dec 2015 to March 2017)
3. Co-PI of the project Climate change, impact and adaptation: Gender perspective in Indian Context sponsored by NABARD (April 2017 to till Oct 2018)
4. PI of the project Performance and Impact Assessment of Agricultural Extension and Advisory Systems (Aug 2019 to March 2020) funded by NIAP, New Delhi
5. Co-PI of the project Management and impact assessment of Farmer FIRST project sponsored by ICAR (Feb 2017 to till date)

## Publications

### Research papers (Peer reviewed)

1. **Nikam Vinayak**, Shiv Kumar, Kingsly I, Balaji S J, Abhimanyu Jhajhria, Chahal R, Kumar D (2020) Economic potential of AVIKASIL-S technology for estrus synchronization in sheep. *The Indian journal of animal sciences* 90(3).
2. Balaji S J, Shiv Kumar, **Vinayak R Nikam**, Kingsly I T, Jaya Jumrani, Vister Joshi and Amit Kumar (2020) Impact of direct seeded rice technology adoption on farm income in Punjab, *Indian Journal of Agricultural Sciences* 90 (3): 625–8.
3. **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.
4. **Nikam V**, Shiv Kumar and Kingsly I M (2019) Impact assessment of Mobile App Using the Economic Surplus Model. *Indian Journal of Agricultural Sciences*.89(6):1039-43
5. Mukherjee, A., Singh, P., Rakshit, S., Satya Priya, Burman, R. 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
6. Anil R Chinchmalatpure, Shrvan Kumar, G Gururaja Rao, **Vinayak Nikam** and Indivar Prasad (2019) 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 Science* 66 (4), 381-385.
7. **Nikam V**, Chinchmalatpure A R, Rao G G, Kad S, and Sharma D K (2018). Farmers' perception, economic viability and constraints in desi cotton cultivation in dryland salinity of Gujarat. *Indian Journal Soil Salinity and Water Quality*. 10 (1):118-125.
8. Rakesh Kumar, Singh P, **Nikam V**, Satyapriya, 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.
9. **Nikam V and** Kumar S. (2017) Agriculture and Extension Policies in India: Connect and Disconnect with Nutrition. *Indian Journal of Nutrition*. 4(2): 161.
10. **Nikam V**, Singh P, Satyapriya and Sharma D K (2016) Nature and effectiveness of extension services provided by producers organization. *Annals of Agricultural Research*. 37(2):215-217.
11. **Nikam V R**, Singh R. K, and Chinchmalatpure A (2016) Salt tolerant varieties: A biological intervention to sustainably manage saline and sodic environment and sustain livelihoods. *Indian Journal of Soil Salinity and Water Quality*. 8(1): 37-44.

12. **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.
13. Rakesh K, Singh P, **Nikam V R** 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*. 10(1)117-124.
14. Rakesh K, Singh P, **Nikam V R** and Sharma J P (2016). Farmer-led innovations: Best practices and lessons learnt in livestock rearing. *Indian Journal of Animal Sciences*. 86 (7): 816–82.
15. Indivar Prasad, Rao G G, Chinchmalatpure A R, Shrvan Kumar, **Nikam V R**, Singh C and Sharma DK (2016): Morpho-Physiological 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.
16. Rao G G, Arora S, **Nikam V R** 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*, Vol. 44(3):308-313.
17. **Nikam V R**, Singh P, Kumar S and Rakesh ES (2015) Constraints Analysis of MAHAGRAPES Farmers. *Indian Journal of Extension Education*. 50(3&4):32-35.
18. **Nikam V R**, Singh P and Chahal V P (2015). Attitude of farmers towards grape cultivation and export. *Indian Journal of Agricultural Sciences*. 85 (4):136- 139.
19. **Nikam V R**, Singh P., Kumar Shiv and Vijayaragavan (2014). Determinants of success of Mahagrapes as perceived by members. *International Journal of Extension Education*.10:111-114.
20. **Nikam V R**, Singh P., Kumar Shiv and Rakesh E S (2014).Constraints Analysis of Mahagrapes Farmers. *Indian Journal of Extension Education*. 50:32-35
21. **Nikam V R and** Singh P (2014) Mahagrapes Farmers: Socioeconomic and Psychological profile. *Indian Research Journal of Extension Education*. 16 (2):19- 24.

## Books edited

1. Quantitative Methods for Social Sciences. Edited by Dr Vinayak Nikam, Abimanyu Jhahhria 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.
2. "Silver Jubilee Celebrations: Salient Achievements of ICAR-NIAP". Edited by: N.P. Singh, Vinayak Nikam; Balaji, S.J., Raka Saxena, S.K. Srivastava, Khyali Ram Chaudhary, Sonia Chauhan, S. K. Yadav and Deepak Tanwar. Published by Director ICAR-National Institute of Agricultural Economics and Policy Research, New Delhi. May 2016.
3. Training Compendium on Advanced Analytical Techniques for Decision Making in Agriculture. Edited by: Shiv Kumar, Vinayak Nikam, Kingsly I M, Published by Director ICAR-National Institute of Agricultural Economics and Policy Research, New Delhi. July 2017.

## **Book Chapters**

1. Nikam Vinayak, Bisen Jaiprakash, Kingsly I M, Shiv Kumar and Jhahria Abimanyu (2019) Economic Surplus Approach. In: Quantitative Methods for Social Sciences Eds: Vinayak Nikam, Abimanyu Jhahria and Suresh Pal, Published by Director, ICAR-National Institute of Agricultural Economics and Policy Research, New Delhi.
2. Nikam Vinayak, Jhahria Abimanyu and Suresh Pal (2019) Overview of quantitative methods in social sciences. In: Quantitative Methods for Social Sciences Eds: Vinayak Nikam, Abimanyu Jhahria and Suresh Pal, Published by Director, ICAR-National Institute of Agricultural Economics and Policy Research, New Delhi.
3. Nikam Vinayak Ramesh, Premlata singh, Manohar Dhadwad and Sapna Panwar (2014). Strategies to link small and marginal farmers to market. Extension Education: A Handbook. Eds. Premlata singh, R R Burman, Kumbhare V and Sujit Sarkar. Published by PG School IARI, New Delhi. P: 540-546.
4. Vinayak Nikam and Premlata Singh (2015) Women Farmers Producers Organisation: Challenges and Opportunities. Training compendium, on Gender analysis and mainstreaming in agriculture. Division of Agricultural Extension, IARI, New Delhi.
5. Nikam V, Singh P., Satyapriya and V Sangeetha (2016) Basics of meeting online. In training compendium for training " Information Communication Technologies Mediated Agricultural Extension" from 2-22 Aug 2016, Division of Agricultural Extension, IARI, New Delhi.

## **Popular article**

1. Nikam Vinayak, Kale Rajiv (2020) Unshackling farmer producer organisations from Covid-19 lockdown. Agriculture Extension in South Asia (AESAs) blog 110, April 2020.
2. Nikam, V., Kumar, S., Jhahria A., Kingsly IM. And Chahal, V P. (2019) Impact assessment of interventions under Farmer FIRST program. Indian Farming. 69(05): 02-04.
3. Vinayak and Premlata Singh (2018) Extension Strategies for Doubling Farmers Income. Indian Farming. 68(12)

4. विनायक निकम एवं अबिमन्यु झाड़िया (2018) भारत के बहुतायत लघु किसानों को एकत्रित करने की जरूरत एवं रणनीतियां. प्रसार दूत. अंक 4: 50-52.
5. Vinayak Nikam, Premlata Singh (2017) Agriculture and extension policies connect and disconnect with nutrition: Extension strategies for nutrition. In Training compendium on nutrition, at Division of Agricultural Extension, IARI, New Delhi, Sept 2017.
6. Nikam Vinayak Ramesh, G. Gururaja Rao, Anil Chinchmalatpure, Sharma D.K. (2016) Desi cotton: Sustaining and securing livelihood of farmers in dryland saline areas of Gujarat. Indian farming. Volume 66. April 2016.
7. Nikam V, Singh P, Satyapriya and Sangeeta Upadhyay (2016) Kheti me dusari haritkranti lane hetu mobile ka upyog. Prasardoot, 4:36-37.
8. Nikam, V. R. (2015). Innovative Extension strategies for upliftment of small and marginal farmers. Readers Shelf, 12(1): 51-53.
9. Nikam Vinayak (2016) Can mobile revolution supplement the second green revolution in agriculture? in The Dialogue: Online policy discourse dated 12th July 2016. Available at: <http://www.thedialogue.co/can-mobile-revolution-supplement-second-green-revolution-agriculture/>.
10. Nikam Vinayak (2016) Need and approaches for bead threading of large number of small farmers in India, in The Dialogue: Online policy discourse dated 17 Oct 2016. Available at: <http://www.thedialogue.co/need-approaches-bead-threading-large-number-small-farmers-india/>
11. Vinayak Nikam, Premlata Singh, Arathy Ashok and Shiv Kumar (2017) Why India should promote more Farmers Producers Organisations? in The Dialogue: Online policy discourse. Available at <http://www.thedialogue.co/india-promote-farmers-producers-organisations/>
12. Vinayak Nikam and Premlata Singh (2017) Women Farmers Producers Organisation for empowering rural women. in The Dialogue: Online policy discourse. Available at : <http://www.thedialogue.co/women-farmers-producers-organisation-empowering-rural-women/>

### **Conference/ Seminar paper**

1. Vinayak Nikam, Shiv Kumar and Kingsly I M (2018) Impact assessment of mobile app using economic surplus approach. In AFITA/WCCA International conference on Research Frontiers in Precision Agriculture at IIT Bombay from Oct 22-24 2018.

2. Nikam V, A. R Chinchmalatpure, Kad S., Rao G.G., Prasad I, Kumar S. and D. Camus (2017) “Performance and impact of salt tolerant wheat varieties on saline Vertisols of Gujarat in the 5th National Seminar on “Climate Resilient Saline Agriculture: Sustaining Livelihood Security”, during 21 – 23 January 2017 at SK Rajasthan Agricultural University, Bikaner (Rajasthan).
3. Nikam V and S. Kumar (2016). Agriculture and extension policies in India: connect and disconnect with nutrition. In AERA Annual Conference 2016 during 15-17 December, 2016 at ICAR-Indian Veterinary Research Institute, Izatnagar-243122, Uttar Pradesh.
4. Kumar S, Kingsly I., Nikam V. R., Balaji, S.J., Joshi V., S. A. Shah and A. Kumar (2016) An Econometric Analysis of Structural Factors of Pulse Production in India: A Case of Gram in Maharashtra. In AERA Annual Conference 2016 during 15-17 December, 2016 at ICAR-Indian Veterinary Research Institute, Izatnagar-243122, Uttar Pradesh.
5. Vinayak Nikam, Shiv Kumar, Mrinmoy Ray and Arathy Ashok. (2018). Sources of information and role of information in decision making: A study of grape growers of Maharashtra. In Abstract book of International Extension Congress on New horizons of extension: challenges and opportunity at Bhuvaneshwar, Odisha, Feb 1-3, 2018.
6. Vinayak Nikam, Shiv Kumar, P S Birthal, Amit Kumar and Premlata Singh. (2017) Effect of Social Network on Adoption of Modern ICT Technology. In abstract book of National conference of Indian society of extension education on doubling farmers' income and farm production through Skill development and technology application at BAU, Sabour, Bihar, Nov 28-30, 2017.
7. Nikam Vinayak Ramesh, R. K. Singh, Indivar Prasad, Shrvan Kumar, D. K. Sharma. (2015). Dynamics of Varietal Performance and Replacement by Farmers, Technological Gap in Saline and Sodic Environment. In The second international conference on bio-resource and stress management, held at PJTSAU, Hyderabad during 7-10 Jan 2015.
8. Nikam Vinayak Ramesh, R. K. Singh, Indivar Prasad, Shrvan Kumar, and Anil Chinchmalatpure (2014). Salt Tolerant Varieties: Performance and Replacement by

Farmers in Saline and Sodic Environment of Haryana. In 4th National Seminar on Innovative Saline Agriculture Changing Environment held at Gwalior during 12-14 Dec 2014.

### **Training conducted**

1. Coordinator from NIAP for the international training on policy formulation and evaluation at MANAGE sponsored by USAID under Feed the Future India Triangular Training program for Asian and African nationals from 21 Jan to 4<sup>th</sup> Feb 2020.
2. Conducted international training under Training program under India Africa Summit Forum-III for African Nationals at ICAR-NIAP New Delhi 16-25 August 2019.
3. Conducted ICAR summer school on "Quantitative methods for social sciences" from 21 Sept to 11<sup>th</sup> Oct 2019 at ICAR-NIAP New Delhi.
4. Conducted one-week training program for Indian Economic Service Officers on core issue related to agricultural sector in June 2018.
5. Conducted ICAR summer school on "Advanced analytical techniques for decision making in agriculture from July 10-30, 2017 at ICAR-NIAP New Delhi.

### **Specialized trainings attended**

1. Training on forecast modeling analytics in crops at IASRI, New Delhi, From 30 May to 19th June 2014.
2. Training on Science technology and emerging trends in governance at IIPA, New Delhi from 23-27 Feb 2015.
3. Training on analytical techniques of decision making in agriculture at NIAP, New Delhi from 16th July to 5th August 2015.
4. Training on Communication for policy research and impact at Dhaka Bangladesh from 29-31st March 2016.
5. Training Programme on "Competency Enhancement Programme for Effective Implementation of Training Functions by HRD Nodal Officers of ICAR" from February 23-25, 2017 at ICAR – National Academy of Agricultural Research Management Rajendranagar, Hyderabad 500 030.

## **Foreign Exposure**

1. Participated in international Workshop on Smart Agriculture Extension Models from 17- 21 September, 2018, at Colombo, Sri Lanka.
2. Dhaka, Bangladesh during 28-31st March 2016 to attend Training workshop on Communication for policy research and impact, organized by IFPRI, South Asia.

## **Membership of scientific societies / associations:**

1. Life member of International society of Extension Education, Nagpur, Maharashtra
2. Life member of Indian society of Extension Education, New Delhi
3. Life member of Society of extension education Agra
4. Life member of Indian society of soil salinity and water quality, Karnal
5. Life member of Society for mobilization for sustainable development, New Delhi
6. Life member of Indian society of agricultural sciences, New Delhi.

## **Teaching**

1. Taught Entrepreneurship Development course at College of Agriculture, Bharuch, NAU Gujarat.
2. Teaching courses *viz.* Advanced Management Techniques (AG EXT 604) and Organisational Behaviour (AG EXT 556) at Division of Agricultural Extension, IARI, New Delhi.