

**CENTRES OF ADVANCED FACULTY TRAINING
DIVISION OF AGRICULTURAL ECONOMICS IARI, NEW DELHI-12**

Introduction:

In 1960, the Division of Agricultural Economics, a constituent of School of Social Sciences of ICAR-Indian Agricultural Research Institute was established. From the beginning, the Division has been working on basic and applied research with its significant implications for agricultural policy. With time to time, the research programmes in the division have been modified and adapted accordingly. At present, impact assessment of improved ICAR and IARI technologies, performance of different marketing institutions in raising farmer's income, agricultural growth, eco system services and its key determinants, role of technology intervention in agriculture to enhance nutritional security are some areas of research of main concern. The division is also working for the development of human resource in the discipline of Agricultural economics, research and education.

Objectives of CAFT:

1. Imparting skill and holistic knowledge development of faculties in the discipline of Agricultural Economics.
2. Advanced analysis of contemporary issues of rural economy of national importance.
3. Up-gradation of infrastructural facilities for post-graduate education and research.

Faculty: Name & Designation (as on 31.12.2019)

Sl. No.	Name of Faculty	Designation
1	Dr Amit kar	Principal Scientist, Head & Director CAFT
2	Dr Alka Singh	Principal Scientist & Professor
3	Dr Harbir Singh	Principal Scientist
4	Dr Girish K Jha	Principal Scientist
5	Dr Pramod Kumar	Principal Scientist
6	Dr D R Singh	Principal Scientist
7	Dr P Venkatesh	Senior Scientist
8	Mrs. Nithyashree M. L.	Scientist (S.S.)
9	Dr P Anbukkani	Scientist
10	Mr Aditya	Scientist
11	Dr M. Balasubramanian	Scientist
12	Dr Renjini V R	Scientist
13	Mr. Utkarsh Tiwari	Scientist

Human Resource Development:

Particulars of Short Courses / Training program for HRD conducted during 2017-20

S. No	Name of the Program	Period	No. of Participants		
			Internal	External	Total
1	Technological and Policy Options for Enhancing Farmers' Income (September 23- October 13, 2017)	2017-18	3	16	19
	Quantitative Methods for Agricultural Policy Analysis (January 23- February 12, 2018)	2017-18	2	14	16
2	Emerging Issues in Markets, Institutions and Resource Use Planning for Sustainable Agriculture (July 12 - August 1, 2018)	2018-19	3	12	15
3	Analytical Approaches on Doubling Farmers' Income (October 1-21, 2019)	2019-20	2	13	15

Infrastructure facilities created, equipment/ works/ Library from institute and CAFT funds 2017-20:

Sl. No.	Description	Quantity purchased (Nos.)
1	Personal Computers	3
	Printers	5
	Scanners	11
2	STATA	10 users
	Arc GIS	1 user
	MS Office	20 users
	Antivirus	65 users
3	Renovations:	Seminar room Computer room Library Office Committee room PG Lab Divisional corridor & stairs Scientist rooms
4	Audio visual facilities	Seminar room
		Committee room
5	Books:	
	i) Text Books	06
	ii) Data Books	14
	iii) Journals	64

Awards/Recognitions:

Year	Name of Scientist	Name of Award
2018-19	Dr. Alka Singh	Bharat Ratna Dr. C. Subramanian Award for outstanding Teachers 2017 (Social Sciences)
	Mr. K. S. Aditya	Dr. N. A. Muzumdar Prize Award as a co-author for best paper presented under Subject III “Social and Community Organizations for Agricultural Development and Coping with Limited Non-Renewable Resources”
	Dr. P. Venkatesh	Dr.N.A.Mujumdar Prize Award for Best oral presentation on “Crop Residue Production and Bioenergy Potential in India: Crop and Regional Level Analysis”
2019-20	Dr. P. Venkatesh	Young Agricultural Economist Award 2019 for outstanding contribution in Agricultural Economics
	Mr. K. S. Aditya	Best Oral Presentation Award for the paper on “Regression Discontinuity Design for measuring Impact of a natural Experiment: Case of short-term impact of demonetization on price of essential commodities
	Mrs. Nithyashree, M. L	Awarded Uma Lele AERA India/AAEA Mentorship Program Grant, 2020.

Publications:**2017-18**

1. Mondal, B., Alka Singh, S.D. Singh, B.S. Kalra, P. Sama, M.K. Sinha, D. Ramajayam and Suresh Kumar (2018), Augmentation of water resources potential and cropping intensification through watershed programs, *Water Environment Research*, 83-91.
2. Ankhila R. Handral, Alka Singh, D.R. Singh, A Suresh and G.K. Jha (2017), Scenario of changing dynamics in production and productivity of major crops in India, *Indian Journal of Agricultural Sciences*, 87 (1): 108-113
3. K.R.Kakumanu, K. Yella Reddy, M. Balasubramanian, U.S.Nagothu, K. Sunitha (2017) Adaptation to climate change: Impact of Capacity Building, India, *Journal of Irrigation and Drainage*, conference issue, 23rd International Congress on Irrigation and Drainage 8-14 October 2017, Mexico, R.60.1
4. Kumara, Kiran T. M., Shiv Kumar, D. R. Singh and Kingsly I. (2018). Participation in Community Based Tank Irrigation System in a Rainfed Region of India, *The Indian Journal of Agricultural Sciences*, 88(4): 596–600
5. Risk Sources and Adaptation Strategies: A Perception Based Study of Farmers in Rainfed Region of India (K.V. Praveen, Suresh A., A. Reddy, D.R. Singh) accepted for publication in *The Indian Journal of Agricultural Sciences*.
6. Girish K. Jha, G. Singh, S. Vennila, M. Hegde, M. S. Rao and H. Panwar (2017). Multi-layer perceptron based neural network model predicting maximum severity of *Spodoptera litura* (Fabricius) on groundnut in relation to climate for Dharwad region of Karnataka (India). *Mausam*, 68(3), 537-542.
7. S. Vennila, G. Singh, Girish K. Jha, M. S. Rao, H. Panwar and M. Hegde (2017). Artificial neural network techniques for predicting severity of *Spodoptera litura* (Fabricius) on groundnut. *Journal of Environmental Biology*, 38(3), 449-456.
8. Sangeetha V, P Singh, G S Mahra, S Sarkar, P. Venkatesh, Satyapriya, B S Tomar, M Wason (2017). Assessment of food consumption pattern in Uttar Pradesh: A dietary diversity study. *Indian Journal of Agricultural Sciences*, 87 (6): 846–52

9. Baliwada H, Sharma J. P., Burman R. R, Nain M. S., Kumar.A and Venkatesh P. (2017) A study on institutionalization of farmer-led innovations for their scaling up. *Indian Journal of Agricultural Sciences*, 87 (12): 1725–1729.
10. Murmu, D. K., Das, B., Yonzone, R., Mazumder, C. and Das, A. Assessment of genetic diversity of green and ripe chilli under the Alluvial zone of West Bengal. *Research in Environment and Life Science* (2017), 10(2), 54-57.

2018-19

1. Suresh Kumar, D. K. Sharma, D. R. Singh, H. Biswas, K. V. Praveen & Vikas Sharma (2019): Estimating loss of ecosystem services due to paddy straw burning in North-west India, *International Journal of Agricultural Sustainability*, <https://doi.org/10.1080/14735903.2019.1581474>
2. Sanjeev Kumar, Shiv Kumar, V.P. Chahal and D. R. Singh (2018). Trends and determinants of crop diversification in Uttar Pradesh, *Indian Journal of Agricultural Sciences*, 88(11): 1704–1708.
3. Praveen, K.V., Suresh A., A. Reddy, D.R. Singh (2018). Risk and Adaptation Strategies in Rainfed Agriculture in India: An Analysis, *Indian Journal of Agricultural Sciences*, 88(6): 958–963.
4. Suresh, A., Aditya K.S, Jha, G., & Pal, S. (2018). Micro-irrigation development in India: an analysis of distributional pattern and potential correlates. *International Journal of Water Resources Development*, 1-16.
5. Qureshi, N. W., Krishnan, M., & Srinivasa, Aditya K.S (2018). Use of Delphi approach to develop indicators and preferences for restoration of balance in Dal Lake fisheries. *Lakes & Reservoirs: Research & Management*.
6. Renjini V. R. and Girish K Jha (2019) Oilseeds sector in India: A trade policy perspective, *Indian Journal of Agricultural Science* 89(1):73-78.
7. Ravindra, Alka Singh, Anbukani Perumal (2019) Innovations and Investments for Transforming India's Rice Economy: The Case of Submergence Tolerant Rice Varieties in Rain-fed Lowlands of North Eastern Uttar Pradesh, *Indian Journal of Agricultural Sciences*. (Accepted).
8. Anbukani P., Shaloo and Suresh Pal (2019) Productivity Trends and Impact of Technology in The Rice-Wheat System of the Indo-Gangetic Plains, *Indian Journal of Agriculture science* (accepted).
9. K.R.Kakumanu, K. Yella Reddy, M. Balasubramanian, U.S.Nagothu, K. Sunitha (2017) Adaptation to climate change: Impact of Capacity Building, India, *Journal of Irrigation and Drainage*, 68:50–58 (2019), DOI: 10.1002/ird.2275
10. Subash N, Harbir Singh, Simina Nishat, Guillermo Baigorria, Vinod Kumar, Alex Ruane, Kenneth Boote, Roberto Valdivia, Cynthia Rosenzweig and Carolyn Mutter (2019). Integrated modelling for assessing climate change impact on future agricultural production system -A farm level multi-modelling approach to assess food security and livelihoods in future, *Journal of Agrometeorology* 21, 104-111.
11. Mondal, B., Alka Singh, S.D. Singh, B.S. Kalra, P. Sama, M.K. Sinha, D. Ramajayam and Suresh Kumar (2018), Augmentation of water resources potential and cropping intensification through watershed programs, *Water Environment Research*, 83-91.

2019-20

1. Suresh Kumar, D. K. Sharma, D. R. Singh, H. Biswas, K. V. Praveen & Vikas Sharma (2019): Estimating loss of ecosystem services due to paddy straw burning in North-west India, *International Journal of Agricultural Sustainability*. *International Journal of Agricultural Sustainability*, <https://doi.org/10.1080/14735903.2019.1581474>
2. Vikram Yogi, Pramod Kumar, P. Prakash, Amit Kar, D. R. Singh, Rashmi Singh, Prawin Arya and O P Awasthi (2019). An economic evaluation of *kinnow* cultivation in north western India, *Indian Journal of Agricultural Sciences* 89 (10): 1684–1687.
3. Renjini V. R. and Girish K Jha (2019) Oilseeds sector in India: A trade policy perspective, *Indian Journal of Agricultural Science* 89(1):73-78.
4. Subash N, Harbir Singh, Simina Nishat, Guillermo Baigorria, Vinod Kumar, Alex Ruane, Kenneth Boote, Roberto Valdivia, Cynthia Rosenzweig and Carolyn Mutter (2019). Integrated

modelling for assessing climate change impact on future agricultural production system -A farm level multi-modelling approach to assess food security and livelihoods in future, *Journal of Agrometeorology* 21, 104-111.

5. **Girish K Jha**, A Suresh, Bhoopesh Punera and P Supriya (2019). Growth of horticulture sector in India: Trends and prospects. *Indian Journal of Agricultural Sciences*, 89(2), 314-321.
6. Kapil Choudhary, **Girish K. Jha**, R. R. Kumar and D. C. Mishra (2019) Agricultural commodity price analysis using ensemble empirical mode decomposition: A case study of daily potato price series, *Indian Journal of Agricultural Sciences*, 89(5), 882-886.
7. Sherry R Jacob, **Girish K Jha**, Gajab Singh and Arun Kumar M B (2019). A viable mathematical model for seed moisture prediction in multiple species, *Indian Journal of Agricultural Sciences*, 89(9), 1518-22.
8. B H Manaswi, Pramod Kumar, P Prakash, Amit Kar, Anbukani. P, G K Jha, D U M Rao, V Lenin (2020) Impact of farmer producer organization on organic chilli production in Telangana, India, *Indian Journal of Traditional Knowledge* 19 (1), 33-43
9. B. H. Manaswi, Pramod Kumar, P. Prakash, Amit Kar, P. Anbukani, G. K. Jha, D. U. M. Rao (2019) Impact of Farmer Producer Organisations on Organic Chilli (*Capsicum Frutescens*) production in Telangana *Indian Journal of Agricultural Sciences*, 89(11):1850-1854
10. Amit Kar, E. Shegiwal, Pramod Kumar and P. Prakash (2020) Impact of contract farming on basmati rice in India, *Indian Journal of Agricultural Sciences*, (Accepted)

Books / Book chapter:

1. Alka Singh, Suresh Pal, and **P. Anbukani** (2017) Technological Innovations, Investments, and Impact of Rice R&D in India, *Future rice strategies for India*, 259-276, IRRI, published by Elsevier
2. Punia Shaloo, **P. Anbukani** and Suresh Pal (2017) Recent productivity trends and impact of technology in the rice-wheat system of the Indo-Gangetic plains, *Agricultural research and development policy in India*, ICAR-NIAP, New Delhi
3. Subash S.P, Aditya K.S, Pavithra K.S., 2018. Role of e-NAM in Realizing Remunerative Price to Farmers. In book: Compendium of Training on Strengthening Value Chain in Wheat and Barley for Doubling Farmers Income. ICAR- Indian Institute of Wheat and Barley Research, Karnal, India.
4. Harbir Singh, B. Gangwar (2018). Economic Aspects of Conservation Agriculture, In: VK Singh and B. Gangwar (Eds), *System Based Conservation Agriculture*, Westville Publishing House, New Delhi, 272p. (pp.242-249).
5. **Aditya K.S** and Subash S.P., Propensity Score Matching in book: "Quantitative Methods for Social Science" Eds Nikam V, Abhimanyu and Pal.S, ICAR- National Institute of Agricultural Economics and Policy Research.
6. Subash S.P. and Aditya K.S., Regression Discontinuity Method in book: "Quantitative Methods for Social Science" Eds Nikam V, Abhimanyu and Pal.S, ICAR- National Institute of Agricultural Economics and Policy Research
7. Girish Kumar Jha and Achal Lama (2019) Volatility Models
8. Amit Kar, Pramod Kumar, R. R. Burman, M. S. Nain, S. K. Dubey, Harbir Singh, Satish Gowda, M. Balasubraminan, Prakash P and J. P. Sharma in book: "Impact of Cluster Frontline Demonstration on Pulses in Northern India" published by Division of Agricultural Economics, ICAR- Indian Agricultural Research Institute, New Delhi.

Training Manuals

1. Kar. A, Singh. D. R. AND Venkatesh. P (2017). Technology and Policy option for Enhancing Farmers Income, Centre for Advanced Faculty Training, Division of Agricultural Economics (CAFT), ICAR- Indian Agricultural Research Institute, New Delhi.
2. Kar. A, Singh H, Jha. G.K., Asha Devi. S. S. and Mazumdar C (2018). Quantitative Method for Agricultural Policy Analysis, Centre for Advanced Faculty Training, Division of Agricultural Economics (CAFT), ICAR- Indian Agricultural Research Institute, New Delhi.
3. Kar. A and Venkatesh. P (2018). Emerging Issues in Markets, Institutions and Resource Use Planning for Sustainable Agriculture, Centre for Advanced Faculty Training, Division of Agricultural Economics (CAFT), ICAR- Indian Agricultural Research Institute, New Delhi.

- Kar. A and Kumar. P (2019). Analytical Approaches on Doubling Farmers Income, Centre for Advanced Faculty Training, Division of Agricultural Economics (CAFT), ICAR- Indian Agricultural Research Institute, New Delhi.

Any other

Technical / Popular Articles / Research Reports

- Bisen.J ,Shivkumar, P. Venkatesh, Aditya K.S. and Meena.N.K. (2018) Institutional Risks: Its Effects on Stakeholders in Agriculture Sector in Context of Demonetization in India. In *Agricultural Development: Technology and Policy*. Eds: Singh,R, Yunnam.A, Roy. A and Choudhury.A, Published by Biotech books ,NewDelhi.pp 307-317.
- Sukanya Som, P.Venaktesh, Aditya, K.S.R.Roy Burman and A.Suresh (2017) Feminization of Indian Agriculture, *Agriculture World*, October, 2017 :12-21.
- P.Venkatesh, Nithyashree.M.L. and Suresh Pal (2017) Indian Seed industry in the Era of Intellectual Property Rights. In : Suresh Pal Eds. *Agricultural R&D policy in India*, Published by ICAR-National Institute of Agricultural Economics and Policy Research. pp 73-100.
- V.Sangeetha, Premlata Singh, Satyapriya, Sitaram, G.S.Mahra, V.Lenin and P.Venkatesh (2017) Pulses for Nutrition Security, *Agriculture World*, May, 2017 : 28-33.
- Renjini V R, ManmeetAjmani&Devesh Roy (2017) The elephant and the dragon, *BusinessStandard*, June 3, 2017.
- K.S. Aditya, S.P. Subash, K.V. Praveen, M.L. Nithyashree, N. Bhuvana and Akriti Sharma. 2017. A failing safety net? India's minimum support price for agricultural crops. Policy forum. Asia & the Pacific Policy Society. 13 November 2017. <https://www.policyforum.net/failing-safety-net/>.
- Sukanya Som, P Venkatesh, K S Aditya, R Burman and Suresh A, 2017. Feminization of Indian Agriculture. Cover story, *Agriculture World*, 3(10):12-22.
- Vikram Yogi, Pramod Kumar, Amit Kar, R.B. Meena and Arvind Nagar (2017) *Kinnowkikhetikaarthikaankalan,Prasar Doot*, June 2017 Pp 49-52.
- A.K. Indoria, K.L. Sharma, K. Sammi Reddy, K.V. Praveen, and K.S. Aditya, 2018. Recognising Boron in Indian Agriculture. *Fertilizer Focus*. November/December 2018. Pp 34-39
- Ajmani, Manmeet; Joshi, Pramod Kumar; Roy, Devesh; and Renjini, V. R. 2019. Assessing agricultural market integration of Cambodia within and beyond ASEAN. IFPRI Discussion Paper 1845. Washington, DC: International Food Policy Research Institute (IFPRI).
- AjmaniManmeet, Joshi P.K., V.R. Renjini and Roy Devesh (2018) Market Integration with ASEAN and Beyond: The case of Myanmar. IFPRI discussion Paper 1773. International Food Policy Research Institute, Washington D C.
- V.Sangeetha, **P.Venkatesh** and Monika Yadav. 2019. Processing and Packaging-Modern Harvesting and Cold Chain-Key Challenges. *Food and Beverage News*. March 1-15, 2019. Pp 10.
- Renjini V R (2019) Status of Coconut Products Export from India, *Indian Coconut Journal*. Dec 2019: 15-18. <https://www.coconutboard.in/images/icj-2019-12.pdf>

Financial Statement

Expenditure under CAFT during 2017-20 (Rs. /-)

Head	2017-18	2018-19	2019-20
Operating cost of Training	-	-	-
Recurring Contingency	437318	497148	898965
Non- Recurring Contingency T.A.	277120	98050	-
Library	30000	35000	-
Total	744438	630198	898965