



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

Introduction:

The Division of Agricultural Economics, a constituent of School of Social Sciences of IARI, was established in 1960. Since its inception, the Division has been making contributions in basic and applied research with significant implications for agricultural policy. The Division modified and adapted its research programmes from time to time. Currently, socio-economic policy research on technology assessment, demand-supply scenarios, development of indicators for measurement of sustainability, management of water resources and impact of changing global trade regimes on agricultural exports are some of the priority areas of research. Development of human resources to undertake and manage agricultural economics research and education functions in the country has been the second major responsibility of the Division.

Objective of CAFT:

1. Human resource development
2. Research on current issues of national importance, and
3. Development of infrastructural facilities for the upgrade of post-graduate education and research.

Faculty : Name & Designation (as on 30.09.2011)

Sl. No.	Name of Faculty	Designation
1	Dr. Suresh Pal	Principal Scientist, Head & Director CAFT
2	Dr. V. C. Mathur	Principal Scientist & Professor
3	Dr. B. C. Barah	NABARD Chair Professor
4	Dr. B. R. Atteri	Principal Scientist
5	Dr. V. P. Tyagi	Principal Scientist
6	Dr. Amit Kar	Principal Scientist
7	Dr. Alka Singh	Principal Scientist
8	Dr. I. Sekar	Principal Scientist
9	Dr. Girish Kumar Jha	Senior Scientist
10	Dr. Pramod Kumar	Senior Scientist
11	Dr. Geeta Bisaria	Senior Scientist
12	Dr. N. P. Singh	Senior Scientist (on deputation to ICRISAT)
13	Mrs. Shaloo Punia	Scientist
14	Dr. P. Anbukkani	Scientist

Human Resource Development:

Particulars of Short Courses / Training program for HRD conducted during XI plan period

Sl. No	Name of the Program	Period	No. of Participants		
			Internal	External	Total
1	NIL	2007-08			
2	i) Advances in Agriculture and Food Marketing	2008-09	4	9	13
	ii) Sustainable Agricultural Development for Food Security	2008-09	0	17	17
3	Climate Change, Environmental Sustainability and Agricultural Development	2009-10	0	14	14
4	Institutional Change for Inclusive Agriculture Growth	2010-11	2	16	18
5	Agricultural Growth, Diversification and Food Security	2011-12	2	11	13

Infrastructure facilities created, equipment/ works/ Library from institute and CAFT funds 2007-11 :

Sl. No.	Description	Quantity purchased (Nos.)
1	Personal Computers	20
	Printers	12
2	<u>Software procured:</u>	
	i) SPSS	10 users
	ii) E-views	20 users
	iii) MS-office	10 users
	iv) SAS	10 users
3	Renovations:	i) Seminar room ii) Computer room iii) Library iv) Office v) Committee room vi) PG Lab
4	Audio visual facilities	Seminar room
		Committee room
5	Books:	
	i) Text Books	168
	ii) Data Books	75

Awards/Recognitions:

Year	Name of Scientist	Name of Award
2007-08	Dr. I. Sekar	UMass Research Fellowship, USA
	Dr. N. P. Singh	Awarded Associate ship of National Academy of Agricultural Sciences (NAAS), India for 2008-2012
2008-09	Dr. G. K. Jha	BOYCAST Fellowship awarded by DST, Government of India for advanced research / specialized training at the Department of Computer Science, University of Manitoba, Canada from July 2008 to June 2009.
	Dr. Amit Kar	Awarded Commonwealth Academic Staff Fellowship from 1/10/2008 to 31/03/2009 at University of Sussex, U. K.
2009-10	Dr. Suresh Pal	The Norman E Borlaug Fellowship of the USDA
	Dr. Pramod Kumar	The DK Desai award of the Indian Society of Agricultural Economics
2010-11	Dr. Suresh Pal	DT Doshi Award of AERA for Second Best Paper
	Dr. Alka Singh	IARI Best Teacher Award -2010
	Dr. I. Sekar	The DK Desai award of the Indian Society of Agricultural Economics

Publications:

2007-08

International Journal

1. Sekar, I. and Randhir, T. O., 2007. Spatial assessment of conjunctive water harvesting potential in watershed systems. *Journal of Hydrology* 334 (1-2): 39-52.
2. Sekar, I. and Randhir, T. O., 2007. Policies for sustaining groundwater resources. *Water International, International Water Resources Association* 32 (1).

Indian Journal

3. Bhakar, R., K. N. S. Banafar, N. P. Singh and A. K. Gauraha 2007. Income and employment pattern in rural areas of Chattisgarh: A micro view, *Agricultural Economics Research Review*, 20(2): 395-406.
4. Kumar, Anjani, Steven J. Staal, N.P. Singh and Dhiraj K. Singh 2007. Livestock sector trade of India: Surging momentum in the new liberalised regime, *Indian Journal of Agricultural Economics*, 62(2): 395-410.
5. Kumar, Shiv, Devender, Kavita Chakravarty, Puran Chand and J. P. S. Dabas 2007. Mode of operation and performance of contract farming of cottonseed in Haryana. *Agricultural Economics Research Review*, 20(1): 99-116.

6. Kumari, Jyoti, R. N. Gadag and G. K. Jha 2007. Genetic analysis and correlation in sweet corn (*Zea mays*) for quality traits, field emergence and grain yield. *Indian Journal of Agricultural Science*, 77(9): 613-615.
7. Patil, S. A. and V. C. Mathur 2007. Food security: Linking farmers to markets, *Sustainability Tomorrow*, 2 (4): 32-37.
8. Patil, S. A. and V. C. Mathur 2007. Biotechnology – Promising benefits of small farmers, *Hindu Survey of Indian Agriculture*: 25-28.
9. Singh, Alka, Ranjit Kumar, P. K. Jain and A. K. Mangal 2007. An economic evaluation of environmental risk of pesticides use: A case study of paddy, vegetables and cotton in irrigated ecosystem, *Indian Journal of Agricultural Economics*, 62(3): 492-502.
10. Singh, Alka, V.C. Mathur and G. K. Jha 2007. Potential of *Jatropha* biofuel: An emerging agri-business opportunity, *Agricultural Economics Research Review* 20: 607.
11. Singh, N.P., Parmatma Singh and R.P. Singh 2007. Sugar industry in Uttar Pradesh: Efficiency still holds the key, *Agricultural Economics Research Review*, 20(1): 157-170
12. Singh, N. P., Parmatma Singh and Suresh Pal 2007. Estimation of economic efficiency of sugar industry in Uttar Pradesh: A frontier production approach, *Indian Journal of Agricultural Economics*, 62(2): 232-243.

2008-09

1. Kumar, Pramod, P.S. Mandal, N.P. Singh and R.P. Singh 2008. Tea industry in India: Problems and prospects, *Indian Journal of Agricultural Economics*, 63(1): 84-96.
2. Reddy, Vishwanatha and Pramod Kumar 2008. An economic appraisal of mango processing plants in Chittoor district of Andhra Pradesh, *Indian Journal of Agricultural Economics*.
3. Sekar, I., Ramasamy C 2008. Econometric analysis of farmers' participation in tank modernization: Evidence from south India, *Agricultural Situation in India*, 15(11): 555-562.
4. Shinoj, P and V. C. Mathur 2008. Comparative advantage of India in agricultural exports with respect to Asia: A post-reforms analysis, *Agricultural Economics Research Review*, 21 (1): 60-66.
5. Singh, Alka, A. K. Vasisht, Ranjit Kumar and D.K. Das 2008. Adoption of integrated pest management practices in paddy and cotton – A case study of Haryana and Punjab, *Agricultural Economics Research Review*, 21(2): 221-226.
6. Singh, Mahendra and V. C. Mathur 2008. Structural changes in the horticultural sector in India: Retrospect and prospects for 11th Five year plan, *Indian Journal of Agricultural Economics*, 63(1):332-348.

2009-10

International Journal

1. Jyoti Kumari, R. Ahmad, S. Chandra and G K Jha 2009. Determination of morphological attributes imparting resistance against aphids (*Aphis craccivora*)

Koch) in lentil (*Lens culinaris* Medik). *Archives of Phytopathology and Plant protection*, 42, 52 - 57.

2. Sekar, I., Randhir, T.O., 2009. Arsenic contamination in Water Resources: Mitigation and Policy Options. *Water Policy, Volume 11*, Pg. 67-78.

Indian Journal

3. Pal, Suresh and Harbir Singh 2009. Delivering seeds of potato and groundnut in India, *Outlook in Agriculture*, 38 (4): 375-382.
4. Siddaya, S. and Alka Singh 2009. Adoption pattern of improved pigeonpea varieties in Gulbarga district, Karnataka abstracted in *Agricultural Economics Research Review*, 22:495.
5. Sarkar, S.K., Krishan Lal and G.K. Jha 2009. Non-linear growth models for pigs, *Indian Veterinary Journal*, 86: 769-799.
6. Sekar, I., K. McGarigal, J.T. Finn, R. Ryan, T.O., Randhir 2009. Water quality response to economic development: Quantifying environmental kuznets curve, *Indian Journal of Agricultural Economics*, 64 (91): 73-88.
7. Sekar, I., 2009. Conjunctive Water Productivity and Water Transaction in Tank Irrigation Rice Cropping System. *Agricultural Situation in India*. Vol. LXV (6) Pg. 429-436.
8. Sekar, I., 2009. Risk and Sources of output variability in Rice crop in North East India. *Agricultural Situation in India*. Vol.LXVI (8) Pg. 491-496.
9. Singh, M. and Puran Chand 2009. Synergy and trade-off between urbanization and agricultural development in Delhi: A policy perspective, *Indian Journal of Agricultural Economics*, 64(3): 473-474.
10. Ram Bahal, B.R. Atteri and J.P.S. Dabas 2009. "Successful rural Institution-A case study of a Co-operative Society in Delhi" *Indian Journal of Agricultural Marketing*, Jan.- April 2009. Vol 23 (1): 20-27.
11. S. K. Sarkar, Krishan Lal and G K Jha 2009. Non-linear growth models for pigs. *Indian Veterinary Journal*, 86, 796-799.

2010-2011

1. Srivastava, S. K., N. Sivaramane and V. C. Mathur 2010. "Diagnosis of Pulses Performance of India", *Agricultural Economics Research Review*, 23 (1): 137 - 148.
2. H. Tanveer, P. R. Choudhury, G.P. Dixit and G.K. Jha 2010. Detection of Molecular Divergence and Development of DNA Fingerprints in Fieldpea Cultivars using Polymorphic DNA Markers, *Indian Journal of Genetics and Plant Breeding*. 70(2), 132-139.
3. Vishwanatha Reddy K. and Pramod Kumar 2010. "An Economic Appraisal of Mango Processing Plants of Chittoor District in Andhra Pradesh", *Indian Journal of Agricultural Economics*, Vol. 65 (2): 277- 297.
4. Sekar, I. (2009), "Risk and Sources of Output Variability in Rice Crop in North-east India". *Agricultural Situation in India*. Vol. LXVI (8) Pg. 491-495.

5. A. Thavaneswaran and G. K. Jha (2011). Possibility Theory with an Application to Volatility Estimation. *Journal of the Indian Society of Agricultural Statistics*, 65(1), 1-8.
6. G. K. Jha, N. Sivaramne, R. N. Padaria, N.P. Singh and Ranjit Kumar (2011). Identifying the determinants of poverty in rural and urban India. *Indian Journal of Extension Education*. Accepted for publication.
7. Mahendra Singh 2010. Projection of Potatoes Export from India : A Markov Chain Approach. *Potato Journal*, 37 (1-2): 48-55, 2010.
8. Mahendra Singh 2010. Structural Changes in Cropping Pattern and Production Constraints in Rice-Wheat System : Evidences from Eastern Uttat Pradesh, *Journal of Agricultural Development and Policy*, 20 (2) 73-84,

Discussion Paper

1. Gupta, H.S., Suresh Pal, Alka Singh and I. Sekar 2010. Agricultural Growth and Diversification for Food and Nutritional Security, Discussion Paper 2010-01, Division of Agricultural Economics, IARI, New Delhi.

Books / Book chapter:

1. Reddy, A. A., V. C. Mathur and S. S. Yadav. 2007. "Commercial Cultivation and Profitability in Chickpea", in S. S. Yadav, R. Redden, W. Chen and B. Sharma (eds.), Chickpea Breeding and Management, CABI, Oxford, U.K.
2. R.P. Singh, Ranjit Kumar and N.P. Singh (2007) "Economic Upliftment through Watershed Development in North Eastern Regions of India" *In Agricultural Development in Northeast India: Issues and Options* (Ed. K.K. Bagchi). Accepted for publication by Abhijeet Publications, Delhi.
3. R.P. Singh, Ranjit Kumar and N.P. Singh (2007), "Economic Upliftment through watershed development in North Eastern Regions of India: In, Agricultural Development in North east India: Issues and Options (Eds. K.K.Bagchi), Accepted for publication by Abhijeet Publications, Delhi.
4. Reddy, A. A., V. C. Mathur and S. S. Yadav. 2007. "Commercial Cultivation and Profitability in Chickpea", in S. S. Yadav, R. Redden, W. Chen and B. Sharma (eds.), Chickpea Breeding and Management, CABI, Oxford, U.K.
5. Alka Singh, Ranjit Kumar and A.K.Mangal "Integrated Pest Management : Farming of Paddy and Vegetables" (2007) in edited book "Ecology and human well being" edited by Pushpum Kumar and B. Sudhakar Reddy, Sage Publications, 398 p.
6. Puran Chand (2008). Agriculture Economics, 'Advances in Post-Graduate Research: For Improving Agricultural Growth and Prosperity': 321-335.

7. Sekar, I., 2008. Agri-Business Enterprises and pressure on Natural Resources and Environment. Eds. Agrawal, B., and Agrawal, A., 'Social Responsibility of Business Enterprises'. ABD Publishers, India.
8. Sekar, I., 2008. Urbanization in Rural Areas: Sustenance of Agriculture and Natural Resources. Ed. Agrawal, B., 'Urbanization of Rural Areas', ABD Publishers, India.
9. Alka Singh and Suresh Pal (2009) "The Changing Pattern and Sources of Agricultural Growth in India", Centre for Agriculture and Rural Development, Iowa State University, USA, Forthcoming.
10. Atteri, B.R. and Alka Singh (2009) Empowering small farmers' through market led developments-A case study of market intelligence for Horticultural produce, edited Food security and Sustainable Agriculture, U-Day publishers, New Delhi.
11. Singh, M and Puran Chand (2009): Sustainability of Agricultural System in North-Eastern Region, Food Security and Sustainability (Edn). P.K. Jain and B.S. Hansra. Uday Publishers and Advertisers 221-236.
12. Sekar, I., 2009. Watershed and Commercial Agriculture Linkage for Transitioning Rural India. Ed. Agrawal, B., 'Changing Rural India'. ABD Publishers, India.
13. Sekar, I., Shivkumar, B.G., 2009. Stretching the Frontiers in Indian Agriculture in a Changing Milieu of Rural India. Ed. Agrawal, B., 'Changing Rural India', ABD Publishers, India.
14. Sekar, I., Shivkumar, B.G., 2009. Community Level Collective Action Imperatives for Sustainable Agriculture. Eds. Agrawal, C.A and Agrawal, B., 'Education and Society', ABD Publishers, India.
15. Shivkumar, B.G., Sekar, I., Thenna, O.V.S., 2009. Role of Agricultural Education in Upliftment of Rural Society. Eds. Agrawal, C.A and Agrawal, B., 'Education and Society', ABD Publishers, India.
16. Tripp R, R Hu and S. Pal (2010), Rice Seed Provision and the Evolution of Seed Markets. Rice in Global Economy , In S Panday, D Byerlee, D Dawe, A Doberman, S Mohanty, S Rozelle and B Hardy, IRRI, P 213-230.
17. Singh, Alka and Suresh Pal (2010) "The Changing Pattern and Sources of Agricultural Growth in India", in Julian M. Alston, Bruce A. Babcock and Philip G. Pardey (eds), The Shifting pattern of Agricultural production and productivity worldwide, The Midwest Agri-business Trade Research and Information Centre, IOWA State University, USA.
18. Singh, Mahendra and V. C. Mathur. (2011), "Horticulture Development in and Sustainable Growth of Agriculture Sector in India: A Critical Analysis, in Nath, Prem and Gaddagimath, P. B. (Eds), Horticulture and Livelihood Security, Scientific Publishers (India).

19. Koundal K. R., J. P. Saxena and Pramod Kumar (2011), Public- Private Partnership in Agricultural Technologies at IARI" In: Relevance of IPR: Status and Prospects, (2011) Edited by: Dominic Keating, Abha Agnihotri and Ajit Varma Published by: IK International, New Delhi, India (in press).
20. Sekar, I., Kumar, B. G. S. (2011), Innovations in Agriculture and Natural Resources Management. Edited Agrawal, B., 'Poverty Eradication and Development through Innovations', New Century Publishers, New Delhi.
21. Puran Chand, Geeta Bisaria, Balraj Singh and Mahindra Singh (2011). Package of practices of Vegetables Crops "Study on Peri-urban Agriculture and its Management in Delhi", undertaken in the Division of Agricultural Economics, IARI, New Delhi.
22. Suresh Pal (2011), 'Agriculture for Inclusive Growth', published by Indian Agricultural Research Institute, New Delhi, India

Training Manuals

1. Mathur, V.C. , Atteri, B.R. , Puran Chand 2008. Advances in Agriculture and Fodd Marketing, Centre for Advanced Faculty Training (CAFT), Division of Agricultural Economics, Indian Agricultural Research Institute, New Delhi.
2. Mathur, V.C., Singh A., Sekar, I. 2009. Sustainable Agriculture Development for Food Security, Centre for Advanced Faculty Training (CAFT), Division of Agricultural Economics, Indian Agricultural Research Institute, New Delhi.
3. Pal, S., Kar, A., Sekar, I., Bisaria, G., 2010. Climate Change, Environmental Sustainability, Agricultural Development. Centre for Advanced Faculty Training (CAFT), Division of Agricultural Economics, Indian Agricultural Research Institute, New Delhi.
4. Pal, S., Tyagi, V.P. Jha, G.K., Anbukkani, 2011. Institutional Change for Inclusive Agricultural Growth, Centre for Advanced Faculty Training (CAFT), Division of Agricultural Economics, Indian Agricultural Research Institute, New Delhi.
5. Pal, S., Jha, G.K., Pramod Kumar, 2011. Agricultural Growth, Diversification and Food Security, Centre for Advanced Faculty Training (CAFT), Division of Agricultural Economics, Indian Agricultural Research Institute, New Delhi.

Any other

Technical / Popular Articles / Research Reports

1. Patil, S. A. and V. C. Mathur 2007. "Biotechnology – Promising Benefits to Small Farmers", *Hindu Survey of Indian Agriculture*: 25 - 28.
2. Singh, Alka, V. C. Mathur, G. K. Jha and K. K. Singh 2008. "Kal ka Edhan - Jatropha" *Krishi Chayanika*, Vol 29 (2): 3 – 6.

3. Singh, N.P., Sharma R. K, R.P.Singh, Ranjit Kumar, A.K. Vasisht, AK Sharma and KS Babu 2008. "Adoption and Impact of Resource Conserving Technologies on Farm Economy of Indo-Gangetic Plains of India, Project Report-01/2008 (ICAR- AP Cess), Division of Agricultural Economics, IARI, New Delhi.

Financial Statement

Expenditure under CAFT during XI plan

(Rs.)

Head	2007-08	2008-09	2009-10	2010-11	2011-12
Operating cost of Training	-	1,89,354	1,56,500	3,47,390	3,99,802
Recurring Contingency	-	-	-	-	88,850
Non- Recurring Contingency T.A.	-	28,388	49,190	73,694	-
Library	-	19,418	-	-	-
Total		237160	205690	421084	488652