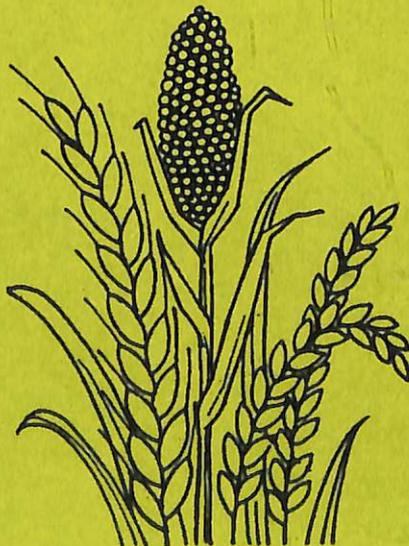


Vol. 72
No. 1

ISSN 0019-5014

JANUARY-
MARCH
2017

INDIAN JOURNAL OF AGRICULTURAL ECONOMICS



INDIAN SOCIETY OF
AGRICULTURAL ECONOMICS,
MUMBAI

SUBSCRIBED

INDIAN JOURNAL OF AGRICULTURAL ECONOMICS



(Organ of the Indian Society of Agricultural Economics)

Vol. 72	JANUARY-MARCH 2017	No. 1
---------	--------------------	-------

CONTENTS

	Page
SUPPLEMENT TO THE CONFERENCE NUMBER: JULY-SEPTEMBER 2016	
Presidential Address:	
Doubling Farmers' Income: Strategy and Prospects <i>Ramesh Chand</i>	1
Conference Keynote Papers	
Disruptive Innovations in Food Value Chains and Small Farmers in India <i>N. Chandrasekhara Rao</i> <i>Rajib Sutradhar and</i> <i>Thomas Reardon</i>	24
Farm Income in India: Myths and Realities <i>A. Narayanamoorthy</i>	49
Summaries of Group Discussion	
Agro-Industry, Agricultural Marketing, Entrepreneurship, Agri-Business, Trade and Innovations <i>Parmod Kumar</i>	76
Agrarian Distress, Family Farming, Land Management and Other Issues <i>B.V. Chinnappa Reddy</i>	81
Farm Income, Productivity and Methodology of Farm Income Estimation <i>N.P. Singh</i>	86

SUBSCRIBED

INDIAN JOURNAL OF AGRICULTURAL ECONOMICS



(Organ of the Indian Society of Agricultural Economics)

Vol. 72	APRIL-JUNE 2017	No. 2
---------	-----------------	-------

CONTENTS

	Page
ARTICLES	
Crossbred Cattle Adoption and Its Impact on Income and Household Milk Consumption among Dairy Farmers: Empirical Evidence from Assam	<i>Baban Bayan and Mrinal Kanti Dutta</i> 153
Economics and Factors Affecting Rainbow Trout (<i>Oncorhynchus mykiss</i>) Production in Kashmir	<i>Stanzin Gawa and Nalini Ranjan Kumar</i> 166
What Constrains Agriculture Credit in India? How to Improve the Outreach? An Essay on Current Approach and Practices	<i>R. Bhaskaran</i> 177
BOOK REVIEWS (next page)	.. .. . 195
PUBLICATIONS RECEIVED	.. .. . 209
ANNOUNCEMENT	
30th International Conference of Agricultural Economists	.. .. . 210

INDIAN JOURNAL OF AGRICULTURAL ECONOMICS



(Organ of the Indian Society of Agricultural Economics)

Vol. 72	JULY-SEPTEMBER 2017	No. 3
---------	---------------------	-------

CONFERENCE NUMBER

- * * * -

PAPERS READ

AT THE

SEVENTY SEVENTH ANNUAL CONFERENCE

OF THE

INDIAN SOCIETY OF AGRICULTURAL ECONOMICS

Central Agricultural University (Imphal),

at

College of Post Graduate Studies, Barapani (Umiam)

October 12-14, 2017

SUBSCRIBED



SUBJECTS

1. Input Delivery System Including Irrigation and Other Services and their Efficiency – Role of Financial Sector.
2. Relationship between Farm and Allied Non-Farm Sectors – Issues Relating to Linkages and Future of Agriculture.
3. Risks in Agriculture and Coping with Vulnerability including Vulnerable or Disaster Prone Regions.
4. Agriculture and Farm Livelihood in Disadvantaged Areas: Introspection of Socio-Economic Issues

CONTENTS

INPUT DELIVERY SYSTEM INCLUDING IRRIGATION AND OTHER SERVICES AND THEIR EFFICIENCY – ROLE OF FINANCIAL SECTOR

	Page
Dynamics of Input Use Efficiency in Selected Crops Cultivation in India: A Temporal and Spatial Analysis	215
	<i>A. Narayanamoorthy, R. Suresh and P. Alli</i>
How Inclusive and Effective are Farm Machinery Rental Services in India? Case Studies from Punjab	230
	<i>Sukhpal Singh</i>
Costs and Benefits of Collective Action: An Economic Inquiry into Canal Water Institutions in Kerala	251
	<i>A.R. Durga, K. Chandran and D. Suresh Kumar</i>
Role of Private Investments in Groundwater Irrigation and Emerging Changes in Seasonal Land Leasing Contract during Boro Rice Cultivation in West Bengal Since 1990s: An Application of Game Theory	262
	<i>Prosenjit Mukherjee</i>
Summaries	272

RELATIONSHIP BETWEEN FARM AND ALLIED NON-FARM SECTORS – ISSUES RELATING TO LINKAGES AND FUTURE OF AGRICULTURE

Livestock Holdings and Informal Contract Arrangements: A Case Study of Haryana	287
	<i>Devesh Birwal</i>
Analysing Farm Profitability and Horizontal and Vertical Integration of Supply Chain for Grapes in Maharashtra	300
	<i>Deepak Shah</i>
Does 'Space' Have a Say on Agricultural Households' Income Choices?	312
	<i>S.J. Balaji and Suresh Pal</i>

Changing Consumption Pattern of Agricultural Commodities in Uttar Pradesh: An Inter Regional Analysis	<i>Rooba Hasan and H.P. Singh</i>	326
Summaries	.... ....	335

RISKS IN AGRICULTURE AND COPING WITH VULNERABILITY INCLUDING VULNERABLE OR DISASTER PRONE REGIONS

Vulnerability of Tribal Rural Households in India: Measuring the Current Status, Risks of Climate Shocks and Impact of Potential Interventions for Improving Rural Livelihoods	<i>Kamal Vatta, Parisha Budhiraja and Sandeep Dixit</i>	341
Risks in Rainfed Agriculture and Farmers' Adaptation Practices: A Case of Cotton Farmers of Maharashtra	<i>A. Suresh, K.V. Praveen, A. Amarender Reddy and D.R. Singh</i>	362
Assessing Vulnerability and Adaptation of Agriculture to Climate Change in Andhra Pradesh	<i>C.A. Rama Rao, B.M.K. Raju, A.V.M. Subba Rao, K.V. Rao, Josily Samuel, Kausalya Ramachandran, K. Nagasree, R. Nagarjuna Kumar and K. Ravi Shankar</i>	375
Natural Calamities, Crop Losses and Coping Strategies: An Economic Analysis from Odisha	<i>Anchal Arora and Devesh Birwal</i>	385
Regional Dimensions in Crisis of Agriculture: A Case Study of Uttar Pradesh	<i>Khursheed Ahmad Khan</i>	396
Summaries	.... ....	409

AGRICULTURE AND FARM LIVELIHOOD IN DISADVANTAGED AREAS: INTROSPECTION OF SOCIO-ECONOMIC ISSUES

Participation Behaviour of Dairy Farmers in Dairy Co-operative Societies in Manipur: A Double Hurdle Approach	<i>Laishram Priscilla, A.K. Chauhan, Lalrinsangpuii, Arsha Balakrishnan and M. Gururaj</i>	420
---	--	-----

		Page
Agricultural Growth, Disadvantaged Regions and Social Groups: Some Evidences from Madhya Pradesh	<i>Elumalai Kannan</i>	429
Adaptation to Climate Change and Factors Affecting It in Assam	<i>Asfika Begum and Ratul Mahanta</i>	446
Disadvantaged Mountain Farmers of Gurez Valley in Kashmir: Issues of Livelihood, Vulnerability, Externality and Sustainability	<i>F.A. Shaheen, S.A. Wani, S.H. Baba and Farheen Naqash</i>	456
Summaries	.... .... ....	475

RAPPORTEURS' REPORTS

Rapporteur's Report on Relationship between Farm and Allied Non-Farm Sectors: Issues Relating to Linkages and Future of Agriculture	<i>Niti Mehta</i>	484
Rapporteur's Report on Risks in Agriculture and Coping with Vulnerability: Including Vulnerable or Disaster Prone Areas	<i>Rajendra Prasad Mamgain</i>	496
Rapporteur's Report on Agriculture and Farm Livelihood in Disadvantaged Areas: Introspection of Socio-Economic Issues	<i>S.M. Feroze</i>	500

ACKNOWLEDGEMENT

We are grateful to Indian Council of Social Science Research for providing financial support for publication of four issues of Vol. 72 of the Journal for the year 2017.

We are grateful to National Bank for Agriculture and Rural Development for providing financial support for publication of this Conference Number (July-September 2017) of the Journal which contains the papers accepted for discussion on the three themes at the 77th Annual Conference of the Indian Society of Agricultural Economics.

INDIAN JOURNAL OF AGRICULTURAL ECONOMICS



(Organ of the Indian Society of Agricultural Economics)

Vol. 72	OCTOBER-DECEMBER 2017	No. 4
---------	-----------------------	-------

CONTENTS

ARTICLES		Page
Analysing Varying Crop Productivity in Canal Irrigation: A Case Study of Damodar Valley Corporation (DVC) in West Bengal	<i>Raj Kumar Kundu and Apurba Kumar Chattopadhyay</i>	513
Total Factor Productivity Growth in Indian Crop Sector	<i>Rajni Jain, Ramesh Chand and Amarjeet Singh</i>	535
Export Performance and Factors Affecting Competitiveness of Plantation Commodities in India	<i>M.G. Deepika</i>	555
RESEARCH NOTE		
Measuring the Intensity of Factors Accelerating Crop Diversification using Heckman Two Stage Model: A Micro Level Study in Thoubal District of Manipur	<i>Monika Aheibam and Ram Singh</i>	576
BOOK REVIEWS (see next page)	... ..	588
PUBLICATIONS RECEIVED	... ..	598

SUBSCRIBED



	Page
NEWS	600
INDICATIVE OUTLINES OF SUBJECTS SELECTED FOR DISCUSSION AT THE 78TH ANNUAL CONFERENCE OF THE INDIAN SOCIETY OF AGRICULTURAL ECONOMICS	605
INDEX TO IJAE, Vol. 72, 2017	614

BOOK REVIEWS

Bishnoi, T.R. and Devi, Sofia	<i>Banking Reforms in India, Consolidation, Restructuring and Performance</i>	C.L. Dadhich 588
Chatterjee, Biswajit and Karmakar, Asim K.	<i>Rural Livelihoods in India: Issues, Measurement and Policies</i>	Pallavi Chavan 590
Gupta, Kamal R. and Angadi, V.B. (Eds.)	<i>Smart Farming: Problems and Prospects</i>	Vijaya Venkatesh 593
Zhou, Zhang-Yue	<i>Achieving Food Security in China: The Challenges Ahead</i>	Heena Kapoor 595

ACKNOWLEDGEMENT

We are grateful to Indian Council of Social Science Research for providing financial support for publication of four issues of Vol. 72 of the Journal for the year 2017.