

Vol. 69  
No. 1

ISSN 0019-5014

JANUARY-  
MARCH  
2014

✓

# INDIAN JOURNAL OF AGRICULTURAL ECONOMICS



INDIAN SOCIETY OF  
AGRICULTURAL ECONOMICS,  
MUMBAI





# INDIAN JOURNAL OF AGRICULTURAL ECONOMICS

(Organ of the Indian Society of Agricultural Economics)

Vol. 69	JANUARY-MARCH 2014	No. 1
---------	--------------------	-------

## CONTENTS

		Page
Dr. N.A. Mujumdar: In Memoriam	<i>S.S. Tarapore</i>	1
OBITUARY : Dr. N.A. Mujumdar	.. ..	4
SUPPLEMENT TO THE CONFERENCE NUMBER: JULY-SEPTEMBER 2013		
Presidential Address:		
Challenges of Food Security in India: Role of Food Policy and Technology	<i>Karam Singh</i>	5
Conference Keynote Papers		
Agricultural Research and Extension in India: Reflection on the Reality and a Roadmap for Renaissance	<i>R. Balasubramanian</i>	14
Growth and Transformation of the Agribusiness Sector: Drivers, Models and Challenges	<i>Vasant P. Gandhi</i>	44
Summaries of Group Discussion		
Development of Dryland Agriculture: Technological, Institutional, Infrastructural and Policy Imperatives	<i>N. Nagaraj</i>	75
Agricultural Research and Extension in India: Achievements and Failures and Direction for the Future	<i>M.H. Wani</i>	81
Agribusiness/Exports Opportunities for Inclusive Growth	<i>R.S. Sidhu</i>	85

	Page
<b>ARTICLES</b>	
Irrigation Difference and Productivity Variations in Paddy Cultivation: Field Evidences from Udalguri District of Assam	<i>Phanindra Goyari</i> 89
Crop Diversification and Agricultural Growth in West Bengal	<i>Suranjana Dasgupta and Sankar Kumar Bhaumik</i> 107
Competitiveness of Major Crops in Post-WTO Period in Andhra Pradesh	<i>Usha Rani, G.P. Reddy, Y.E. Prasad and A. Amarender Reddy</i> 125
Revisiting Rural Infrastructure Development Fund (RIDF) Scheme	<i>C.L. Dadhich</i> 142
<b>RESEARCH NOTE</b>	
Changing Climate Pattern and Its Impact on Paddy Productivity in Ludhiana District in Punjab	<i>D.K. Grover and Deepak Upadhya</i> 150
BOOK REVIEW (see below)	.. .. 163
PUBLICATIONS RECEIVED	.. .. 166
INDICATIVE OUTLINES OF SUBJECTS SELECTED FOR DISCUSSION AT THE 74TH ANNUAL CONFERENCE OF THE INDIAN SOCIETY OF AGRICULTURAL ECONOMICS	.. .. 168
<b>SECOND ANNOUNCEMENT</b>	
Inter-Conference Symposium of IAAE on Revisiting National Agricultural Policy in the Light of Globalisation Experience : The Indian Context	.. .. 178
OBITUARY: Dr. G.K. Chadha	.. .. 182
<b>BOOK REVIEW</b>	
Dadabhoy, Bakhtiyar K.	<i>Barons of Banking: Glimpses of Indian Banking History</i> <i>A. Vasudevan</i> 163



# INDIAN JOURNAL OF AGRICULTURAL ECONOMICS

(Organ of the Indian Society of Agricultural Economics)

Vol. 69	APRIL-JUNE 2014	No. 2
---------	-----------------	-------

## CONTENTS

ARTICLES		Page
Agriculture-Industry Relation and the Question of 'Home Market': Towards Closing a Century's Old Debate	<i>Saumya Chakrabarti</i>	183
Agricultural Growth and Economic Convergence in Indian Agriculture	<i>Shiv Kumar, Kamble Ankush Lala and Khyali Ram Chaudhary</i>	211
Foodgrains Production in India – How Serious is the Shortage of Water Supply for Future Growth	<i>Joydeb Sasmal</i>	229
Magnitude and Determinants of Indebtedness among Farmers in Punjab	<i>Sukhpal Singh, Shruti Bhogal and Randeep Singh</i>	243
BOOK REVIEWS (see next page)	.. ..	257
PUBLICATIONS RECEIVED	.. ..	269

**BOOK REVIEWS**

			Page
Bisaliah, S., Dev, Mahendra S. and Saifullah, Syed	<i>Investment in Indian Agriculture: Macro and Micro Evidences</i>	A. Narayanamoorthy	257
Mujumdar, N.A.	<i>Reinventing Development Economics – Explorations from the Indian Experiment</i>	K. Kanagasabapathy	260
Suman Chandra, K., Suresh Babu, V, and Nath, Pradip Kumar	<i>Agrarian Crisis in India – The Way Out</i>	K.G. Karmakar	263



Vol. 69  
No. 3

ISSN 0019-5014

CONFERENCE  
NUMBER

JULY-  
SEPTEMBER  
2014

# INDIAN JOURNAL OF AGRICULTURAL ECONOMICS



INDIAN SOCIETY OF  
AGRICULTURAL ECONOMICS,  
MUMBAI

## CONTENTS

**LIVESTOCK MARKETING AND SUPPLY MANAGEMENT OF  
LIVESTOCK PRODUCTS**

		Page
Functioning of Livestock Markets and Buyers Perspectives on Voluntary versus Mandatory Disclosure of Information: Evidence from Cattle Markets in Uttar Pradesh	<i>Rakesh Singh, Tribhuvan Nath, P.K. Singh, Kamlesh Kumar</i>	271

Value Chains for Livestock Products in Himalayan Mountains: Studies from Jammu and Kashmir	<i>S.A. Wani, F.A. Shaheen, S.H. Baba, Farheen Naqash and Muzaffer Manzoor</i>	280
--	--	-----

Performance of Organised Animal Fairs of Rajasthan	<i>Goutam Das, D.K. Jain and Arun Pandit</i>	290
--	--	-----

Summaries	.. .. .	300
-----------	---------	-----

**LABOUR SCARCITY IN AGRICULTURE AND MECHANISATION**

Farm Mechanisation, MGNREGS and Labour Supply Nexus: A State-Wise Panel Data Analysis on Paddy and Wheat Crop	<i>A. Narayanamoorthy, M. Bhattarai, R. Suresh and P. Alli</i>	320
---	--	-----

Farm Mechanisation and Rationality of Labour Use in Indian Agriculture: A Frontier Analysis of Cost of Cultivation Data	<i>Dipika Basu and Arun Kr. Nandi</i>	336
---	---	-----

Labour Scarcity and Farm Mechanisation: A Cross State Comparison	<i>A Amarender Reddy, Ch. Radhika Rani and G.P. Reddy</i>	347
--	---	-----

Summaries	.. .. .	359
-----------	---------	-----

**SUBSIDIES IN AGRICULTURE AND THEIR IMPLICATIONS ON TRADE  
AND ENVIRONMENT**

Sugar Sector: Is it Sustained by Subsidies?	<i>Sangeeta Shroff and Jayanti Kajale</i>	375
---	---	-----



	Page
Emerging Scenario of Farm Subsidies in New Trade Regime in India : An Economic Analysis	385
	<i>Madan Mohan, Arti Katiyar, Archna Shukla, Pankaj Pandey and Shanti Sachan</i>
Impact of Farm Sector Electricity Subsidy on Water Use Efficiency and Water Productivity in India	404
	<i>O.P. Singh, Rakesh Singh and Manish Kumar Singh</i>
Green Technologies for Sustainable Agriculture: Policy Options Towards Farmer Adoption	414
	<i>P. Indira Devi, Sebin Sara Solomon and M.G. Jayasree</i>
Summaries	426
	.. .. .
<b>RAPPORTEURS' REPORTS</b>	
Rapporteur's Report on Livestock Marketing and Supply Chain Management of Livestock Products	432
	<i>Pratap S. Birthal</i>
Rapporteur's Report on Labour Scarcity in Agriculture and Mechanisation	438
	<i>D.K. Grover</i>
Rapporteur's Report on Subsidies in Agriculture and Their Implications on Trade and Environment	450
	<i>A. Ganesh Kumar</i>
<b>ANNOUNCEMENT</b>	
Thematic Seminars as Part of the Platinum Jubilee Celebrations of the Indian Society of Agricultural Economics in 2015	456
	... .. .

#### ACKNOWLEDGEMENT

We are grateful to National Bank for Agriculture and Rural Development for providing financial support for publication of this Conference Number (July-September 2014) of the Journal which contains the papers accepted for discussion on the three themes at the 74th Annual Conference of the Indian Society of Agricultural Economics.





SUBSCRIBED



# INDIAN JOURNAL OF AGRICULTURAL ECONOMICS

(Organ of the Indian Society of Agricultural Economics)

Vol. 69	OCTOBER-DECEMBER 2014	No. 4
---------	-----------------------	-------

## CONTENTS

ARTICLES		Page
Economic Analysis of Leaf Rust Management by Chemical Controls: Evidence and Implications for Household Coffee Farmers in India	<i>M.R. Narayana</i>	459
How Sensitive is Indian Agriculture to Climate Change?	<i>P.S. Birthal, Digvijay S. Negi, Shiv Kumar, Shaily Aggarwal, A. Suresh, Md. Tajuddin Khan</i>	474
BOOK REVIEW (see next page)	... ..	488
PUBLICATIONS RECEIVED	... ..	494
PH.D. THESES IN AGRICULTURAL ECONOMICS COMPLETED IN UNIVERSITIES IN INDIA: 2013-2014	... ..	498
ABSTRACT OF PH.D. THESIS IN AGRICULTURAL ECONOMICS	... ..	500
INTER-CONFERENCE SYMPOSIUM OF INTERNATIONAL ASSOCIATION OF AGRICULTURAL ECONOMISTS (IAAE) ON RE-VISITING AGRICULTURE POLICIES IN THE LIGHT OF GLOBALISATION EXPERIENCE: THE INDIAN CONTEXT - A BRIEF REPORT	... ..	501

	Page
NEWS ... ..	504
INDICATIVE OUTLINES OF SUBJECTS SELECTED FOR DISCUSSION AT THE 75TH ANNUAL CONFERENCE OF THE INDIAN SOCIETY OF AGRICULTURAL ECONOMICS ... ..	509
INDEX TO IJAE, Vol. 69, 2014 ... ..	522
<b>BOOK REVIEW</b>	
Chakravorty, Sanjoy	488
<i>The Price of Land: Acquisition, Conflict and Consequence</i> M.G. Chandrakanth	