



AgEcon SEARCH
RESEARCH IN AGRICULTURAL & APPLIED ECONOMICS

The World's Largest Open Access Agricultural & Applied Economics Digital Library

This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.

Help ensure our sustainability.

Give to AgEcon Search

AgEcon Search
<http://ageconsearch.umn.edu>
aesearch@umn.edu

*Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.*

**INDIAN JOURNAL
OF AGRICULTURAL
ECONOMICS**



(Organ of the Indian Society of Agricultural Economics)

Vol. 68	JULY-SEPTEMBER 2013	No. 3
----------------	----------------------------	--------------

CONFERENCE NUMBER

- * * * -

PAPERS READ

AT THE

SEVENTY THIRD ANNUAL CONFERENCE

OF THE

INDIAN SOCIETY OF AGRICULTURAL ECONOMICS

Department of Agribusiness Management,
National Academy of Agricultural Research Management,
Rajendranagar, Hyderabad-500 030
(Andhra Pradesh)

December 18-20, 2013

SUBJECTS

1. Development of Dryland Agriculture: Technological, Institutional, Infrastructural and Policy Imperatives
2. Agricultural Research and Extension in India : Achievements and Failures and Directions for the Future
3. Agribusiness/Trade Opportunities for Inclusive Growth

CONTENTS

DEVELOPMENT OF DRYLAND AGRICULTURE: TECHNOLOGICAL,
INSTITUTIONAL, INFRASTRUCTURAL AND POLICY IMPERATIVES

		Page
Raising Agricultural Productivity, Reducing Groundwater Use and Mitigating Carbon Emissions: Role of Energy Pricing in Farm Sector	<i>M. Dinesh Kumar</i>	275
Hydrological and Farming System Impacts of Agricultural Water Management Interventions in North Gujarat, India	<i>O.P. Singh</i>	292
Technological and Institutional Interventions in Enhancing Livelihood of Farmers in Semi-Arid Tropics (SAT) Areas: Experience of ICRISAT-HOPE Project	<i>N. Nagaraj, M.C.S. Bantilan, A. Ashok Kumar, Sharma Rajan, R. Anusha and Surajit Haldar</i>	313
Economic Benefits from Micro Irrigation for Dry Land Crops in Karnataka	<i>M.G. Chandrakanth, C.N. Priyanka, P. Mamatha and Kiran Kumar Patil</i>	326
Maize Composites Enhance Economic Returns from Dry Land Farming: Evidences from Uplands of Kashmir Valley	<i>M.H. Wani, S.H. Baba, P. Ramasundaram, Shoaib Yousuf and Shahid Yousuf</i>	339
Summaries	354

**AGRICULTURAL RESEARCH AND EXTENSION IN INDIA-
ACHIEVEMENTS AND FAILURES AND DIRECTIONS FOR THE FUTURE**

Research Priorities for Faster, Sustainable and Inclusive Growth in Indian Agriculture	<i>Sant Kumar, Sonia Chauhan and Mywish K. Maredia</i>	373
Land Shaping Models for Enhancing Agricultural Productivity in Salt Affected Coastal Areas of West Bengal – An Economic Analysis	<i>Subhasis Mandal, S.K. Sarangi, D. Burman, B.K. Bandyopadhyay, B. Maji, U.K. Mandal and D.K. Sharma</i>	389

	Page
Delivery Competence and Penetration of Extension Services among Fish Farmers of Assam	402
	<i>Parag Saikia, M. Krishnan, P.S. Ananthan, Sheela Immanuel and Dinesh Hazarika</i>
Summaries	412
AGRIBUSINESS/TRADE OPPORTUNITIES FOR INCLUSIVE GROWTH	
Behaviour of Premium Paid by Supermarket and Trade-off Facing Farmers	422
	<i>D. Suganthi</i>
Food Safety Regulatory Compliance in India: A Challenge to Enhance Agri-businesses	431
	<i>M.S. Jairath and Purnima Purohit</i>
Contractual Arrangements and Enforcement in India: The Case of Organic Basmati Paddy Farming	449
	<i>Shiv Kumar, Subhash Chandra, D.R. Singh and Khyali Ram Chaudhary</i>
Do Dairy Co-operatives Enhance Milk Production, Productivity and Quality? Evidences from the Indo-Gangetic Plain of India	457
	<i>Anjani Kumar, P. Shinoj and Shiv Jee</i>
Summaries	469
RAPPORTEURS' REPORTS	
Rapporteur's Report on Development of Dryland Agriculture: Technological, Institutional, Infrastructural and Policy Imperatives	498
	<i>N. Nagaraj</i>
Rapporteur's Report on Agricultural Research and Extension in India: Achievements, Failures and Directions for Future	514
	<i>M.H. Wani</i>
Rapporteur's Report on Agribusiness/Trade Opportunities for Inclusive Growth	523
	<i>R.S. Sidhu</i>

ACKNOWLEDGEMENT

We are grateful to National Bank for Agriculture and Rural Development for providing financial support for publication of this Conference Number (July-September 2013) of the Journal which contains the papers accepted for discussion on the three themes at the 73rd Annual Conference of the Indian Society of Agricultural Economics.