



*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](mailto: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.*

*No endorsement of AgEcon Search or its fundraising activities by the author(s) of the following work or their employer(s) is intended or implied.*

Vol XXXVIII  
No. 3

ISSN 0019-5014

CONFERENCE  
NUMBER

JULY-  
SEPTEMBER  
1983

# INDIAN JOURNAL OF AGRICULTURAL ECONOMICS



INDIAN SOCIETY OF  
AGRICULTURAL ECONOMICS,  
BOMBAY

# THE INDIAN SOCIETY OF AGRICULTURAL ECONOMICS, BOMBAY

## Aims and Objects:

To promote the study of social and economic problems of agriculture and rural areas and also to promote technical competence for teaching and research in Agricultural Economics and allied subjects through:

- (a) research in problems of agricultural economics and rural development;
- (b) periodical Conferences and Seminars;
- (c) publication of books, reports, papers or summaries of papers, either separately or collectively, or in a periodical which may be issued under the auspices of the Society;
- (d) co-operation with other institutions having similar objects, such as the International Association of Agricultural Economists and the Indian Economic Association, etc.

—:o:—

## EDITORIAL BOARD

Prof. M. L. Dantwala	..	<i>Chairman</i>
Shri V. M. Jakhade	..	<i>Editor</i>
Dr. P. K. Chatterjee	}	<i>Members</i>
Dr. K. C. Hiremath		
Dr. N. S. Jodha		
Dr. C. H. Shah		
Dr. V. K. Sharma		
Shri T. R. Sundaram	..	<i>Assistant Editor</i>

---

The copyright and all rights of reproduction and translation of articles, book reviews and correspondence published in the INDIAN JOURNAL OF AGRICULTURAL ECONOMICS are reserved by the Society. Application for permission to translate or reproduce any material contained in it should be made to the Honorary Secretary, The Indian Society of Agricultural Economics, 46-48, Esplanade Mansions, Mahatma Gandhi Road, Fort, Bombay-400 023 (India).

*Note:*—Individual Membership fee and Institutional Subscription to the *Indian Journal of Agricultural Economics* is Rs. 45.00 or £10.00 or \$20.00 and Rs. 90.00 or £15.00 or \$30.00 respectively and should be sent to the Hon. Secretary and Treasurer, The Indian Society of Agricultural Economics, Bombay.

# INDIAN JOURNAL OF AGRICULTURAL ECONOMICS



(Organ of the Indian Society of Agricultural Economics)

---

Vol. XXXVIII

JULY-SEPTEMBER 1983

No. 3

---

CONFERENCE NUMBER



PAPERS READ

at the

FORTY-THIRD ANNUAL CONFERENCE

of the

INDIAN SOCIETY OF AGRICULTURAL ECONOMICS

Kanpur, December 22-24, 1983

## **SUBJECTS**

1. ISSUES IN FORESTRY DEVELOPMENT IN INDIA.
2. RURAL INDUSTRIES: THEIR POTENTIAL AND CONSTRAINTS.
3. FACTOR SHARES IN INDIAN AGRICULTURE.

Rs. 35.00

# **THE INDIAN SOCIETY OF AGRICULTURAL ECONOMICS**

## **OFFICE-BEARERS FOR THE YEAR 1983**

### *President*

Prof. M. L. Dantwala

### *Vice-Presidents*

Shri H. L. Chawla

Dr. V. Rajagopalan

Dr. V. M. Rao

Dr. J. S. Sharma

Dr. Ram Iqbal Singh

### *Hon. Secretary and Treasurer*

Dr. J. N. Barmeda

### *Hon. Jt. Secretary*

Dr. (Miss) S. D. Sawant

### *President-Elect for the 43rd Annual Conference*

Dr. S. S. Johl

### *Executive Committee Members*

Dr. J. P. Bhati

Dr. A. K. Bora

Dr. R. R. Doshi

Dr. S. S. Gour

Dr. Y. P. Mahalle

Dr. T. C. Mohan

Dr. K. N. Rai

Dr. K. Sain

Dr. Iqbal Singh

Dr. Joginder Singh

Dr. Raj Pal Singh

Dr. Rajendra Singh

## CONTENTS

### ISSUES IN FORESTRY DEVELOPMENT IN INDIA

	Page
1. Trends in Area, Production and Yield of Forestry in India .. .. .	<i>Shiv Ram Dass and A. K. Vashisht</i> 279
2. A Study of Regional Distribution and Trends in Area, Production and Yield of Forests in Bihar (1957-58 to 1976-77) .. .. .	<i>Hem Chandra Lal Das</i> 285
3. Demand-Supply Management and Pricing Policy of Forest Based Raw Materials for the Paper Industry in India: Some Issues .. .. .	<i>Tirath Gupta</i> 291
4. Demand and Supply Analysis of Forest Products in India .. .. .	<i>K. N. Rai, Shri Niwas and R. K. Khatkar</i> 300
5. <i>Ex Ante</i> Assessment of Afforestation for Fuelwood on Waste Lands—A Multi-Objective Programming Approach .. .. .	<i>P. K. Joshi and A. K. Agnihotri</i> 308
6. People's Participation and Social Forestry: A Case Study of Himachal Pradesh .. .. .	<i>Kanwar Prakash Chand and Ranveer Singh</i> 317
Summaries .. .. .	323
Rapporteur's Report on Issues in Forestry Development in India ..	<i>Katar Singh</i> 334

### RURAL INDUSTRIES: THEIR POTENTIAL AND CONSTRAINTS

1. Rural Industrialisation in India ..	<i>B. L. Agarwal</i> 342
2. Constraints on the Development of Consumer Demand Based Rural Household Manufacturing Units in Arid Regions—Kutch District, Gujarat .. .. .	<i>Anjini Kochar</i> 347
3. Rural Industries in Karnataka—Trends in Employment .. .. .	<i>V. S. Satyapriya</i> 354

iv	CONTENTS	Page
4.	Rural Industrialisation in Bihar: An Analysis of Employment- Productivity Relationship between Inter-Industry Units .. ..	<i>Jagdish Prasad and Rajendra Prasad</i> 361
5.	Socio-Economic Determinants of Rural Industrialisation: An Outlook for Survival/Expansion of Rural Industries in Haryana .. ..	<i>R. P. Grover, T. M. Dak and M. L. Sharma</i> 367
	Summaries .. ..	372
	Rapporteur's Report on Rural Indus- tries: Their Potential and Con- straints .. ..	<i>R. R. Doshi</i> 383

#### FACTOR SHARES IN INDIAN AGRICULTURE

1.	Temporal and Spatial Variations in Factor Shares in Indian Agri- culture .. ..	<i>T. Haque, V. K. Sharma and M. S. Bhatia</i> 391
2.	Factor Shares in Indian Agriculture: Temporal and Spatial Variations and Their Implications .. ..	<i>M. V. George, N. J. Kurian and C. Chandra Mohan</i> 399
3.	Technological Change and Factor Shares in Cotton Production: A Case Study of Akola Cotton Farms..	<i>M. R. Alshi, P. Kumar and V. C. Mathur</i> 407
4.	Management as a Factor of Production in the Semi-Arid Tropics of Rural South India .. ..	<i>T. S. Walker, R. P. Singh and M. J. Bhende</i> 415
5.	Nature of New Farm Technology and Its Implications for Factor Shares— A Case Study in Tamil Nadu ..	<i>V. Rajagopalan and S. Varadarajan</i> 424
6.	Factor Shares in Indian Agriculture..	<i>J. P. Singh</i> 429
	Summaries .. ..	435
	Rapporteur's Report on Factor Shares in Indian Agriculture .. ..	<i>S. S. Grewal</i> 453

## P R E F A C E

This issue of the Journal contains the Papers selected for discussion at the 43rd Session of the Annual Conference of the Society scheduled to be held under the auspices of the Chandra Shekhar Azad University of Agriculture and Technology from 22nd to 24th December, 1983. The subjects selected for discussion at this Conference are:

1. Issues in Forestry Development in India.
2. Rural Industries: Their Potential and Constraints.
3. Factor Shares in Indian Agriculture.

This issue also contains the Rapporteurs' Reports on these three subjects. A large number of papers has been received on the third subject. The President-Elect of the Conference on the recommendation of the Rapporteurs has accepted 70 Papers for discussion at the Conference. Out of these, 17 Papers have been published in full in this issue along with the Summaries of the remaining 53 Papers. Owing to the steep increase in the cost of printing, we regret it has not been possible to print all the Papers in full. We do hope the contributors whose papers could not be published in full will appreciate our difficulty and kindly excuse us. We are grateful to the Rapporteurs for sending their reports covering the main points contained in the papers and also for outlining the issues for discussion.

November 10, 1983

V. M. JAKHADE  
*Editor*



## **INDIAN JOURNAL OF AGRICULTURAL ECONOMICS—REPRINTS**

Many back issues/volumes of the Indian Journal of Agricultural Economics are currently out of print. Enquiries have been received by the Society for the supply of the back volumes of the Journal. With a view to enabling the interested readers, agricultural universities, colleges and other research institutions to complete their holdings of the back issues/volumes of the Journal, the Society has entered into an agreement with the Researchco Reprints, Delhi whereby the Researchco Reprints has been given full rights of reprinting of all the issues of Volumes 1 to 29 of the Journal which are out of print now. The Researchco Reprints has brought out the reprints of the abovesaid volumes. Kindly direct your orders and enquiries for back issues/volumes of the Journal (including reprints) to the Researchco Reprints, 1865 Trinagar, Delhi-110 035 (India).

## **DOCUMENTED INDEX OF ARTICLES RELATING TO AGRICULTURAL ECONOMICS**

A documented index of over 21,000 articles relating to Agricultural Economics published in Indian and foreign periodicals, covering the period 1951-81, classified according to the Dewey Decimal System and computer-printed is available for sale to Universities and research institutions at cost (Rs. 775 per set plus forwarding charges).

A similar index of articles covering about 1000 titles relating to the year 1982 is computer printed. It is supplied at a subsidised cost of Rs. 25 per set (excluding forwarding charges) to enable a larger number of research institutions and Universities to avail of this facility. This service is rendered on non-profit basis. Orders for the supply of these indexes may be placed with the Hon. Secretary, The Indian Society of Agricultural Economics, 46-48, Esplanade Mansions, Mahatma Gandhi Road, Bombay-400 023.