

ICAR - NIAP DIARY**RESEARCH**

On-going projects focus on agricultural price and forecasting, research priorities and policies for climate resilient agriculture, village household survey, water management, sustainable intensification of agriculture, farm mechanization, technology foresight in agriculture, Farmers FIRST Program, farmer producer organizations, value chains and exports, price volatility, outlook models for pulses and oilseeds, Direct Benefit Transfer, fertilizer price policies and crop insurance, Doubling Farmers' Income, export growth and policy reforms. Some new initiatives are:

- Institutions and technology for agricultural water management,
- Agricultural price analysis and forecasting,
- Progress of crop insurance, farmers' willingness to pay, and role of information to examine risk, and
- Village household survey for standardizing data collection methods/database development for agricultural rural households with special focus on weaker sections under SCSP.

Structural Transformation, Regional Disparity and Institutional Reforms in Agriculture

In less than a decade (2011-12 to 2019-20), the share of crops in total agricultural GVA has fallen from 65% to 56%, and livestock sector's share has risen from 22% to 29%. In other words, while growth was just 1.3% in crops, it has been 7.6% in livestock sector.

Fisheries sector has grown impressively by 9% at the national level. Crop sector has performed well in Madhya Pradesh, Andhra Pradesh, Chhattisgarh and West Bengal, and horticulture contributes 36% of crop sector output.

Consistent growth in horticulture, especially in fruits and vegetables, and in crops like pulses, coarse cereals, wheat, and groundnut had been the major sources of growth. Expansion of technologies such as micro-irrigation has played a crucial role in ensuring the growth. More than 11 million hectare of land has been brought so far under micro-irrigation in the country. Investment (public & private) in agriculture has grown by 6-8% during 2018-20, and expected positive growth in the coming years shall further enhance farmers' investment in improved technologies and high-value agriculture. Improvement in institutional lending shall support the private investment. With the recovering economic growth and household income, one can expect market-driven growth of high-value agriculture.

Dynamics in Global Crustaceans' Exports and Competitiveness: What it Holds for India?

The study discussed the pre and post-WTO trends in crustacean exports, trends in competitiveness and its linkages with the export performance. The study tried to examine the linkages and revealed comparative advantages of major exporters (India, Ecuador and Canada), the unit value realized for Indian crustaceans and Indian crustacean exports.

Crop Insurance in India: Progress, Farmers' Willingness to Pay and Role of Information

Annual number of farmers registered under National Agricultural Insurance Scheme (NAIS), 2000-01 to 2015-16 were 169.53 lakhs, while under Pradhan Mantri Fasal Bima Yojana (PMFBY), 2016-17 to 2019-20 the number was 425.16 lakhs. The number of farmers benefitted annually under NAIS and PMFBY were 53.16 lakhs (29.88% of total registered farmers) and 147.33 lakhs (32.67% of total registered farmers). The sum insured to farmers premium ratio was 38.70 under NAIS and 51.57 under PMFBY suggests there is higher sum insured under PMFBY with given rupees. It is visible that the performance of PMFBY is higher over NAIS in terms of farmers insured, area covered, claims reported and paid. By creating the awareness and timely payment of claims, the coverage of PMFBY can be improved further.

Agroecosystem Diversity Index

Institute has developed the Agroecosystem Diversity Index (ADI) which encompasses three broad aspects, viz. diversity status at multi-levels (ecosystem, landscape, species and genetic), drivers of agrobiodiversity threats/losses, and societal response to reverse these losses. The ADI is the first of its kind to measure the diversity of agro-ecosystems at a regional level and it helps the policymakers to understand the opportunities to improve agrobiodiversity. The proposed index can also be used to identify agrobiodiversity hotspots and monitor agrobiodiversity targets at global, national and ecosystem levels. The model was validated with a case study of the Indo-Gangetic Plains of India.

Evaluation of ILSP Interventions

Initiated a project "Evaluation of successful interventions of the Integrated Livelihoods Support Project (ILSP) of Uttarakhand and the lessons for out-scaling" sponsored by the Government of Uttarakhand.

Rural Non-Farm Sector in India: Trends, Structural Changes, Farm Sector Growth and Poverty Linkages

Based on the latest Periodic Labour Force Survey 2018-19, the percentage of households self-employed in agriculture decreased from 37.8% in 2017-18 to 36.6% in 2018-19. This indicates a continuing shift in employment from agriculture to non-farm activities. The worker population ratio (usual status) was 52.1% for rural males and 19.0% for rural females. It has increased from 51.7% for rural male and 17.5% in rural female in 2017-18. This shows a positive improvement of employment in rural India.

Assessment of Ecosystem Services and Institutions in Watershed Management Programmes

The monetary value of environmental services delivered by watersheds in India was assessed using a meta-analysis approach. The total value of environmental watershed ecosystem services is Rs. 34113/ha/year, 60% of which is contributed by water augmentation. The stakeholder's participation in the planning and management of watersheds significantly enhances environmental watershed services. Macro-watersheds are more effective in generating ecosystem services.

PUBLICATIONS

Agricultural Development Report 2020-21

The report broadly covers performance of Indian agriculture and progress of various development schemes. The report has highlighted some of these developments and issues. Impact of COVID-19 on agriculture and rural economy and measures to revive the economy are special features of the report. Recent policy reforms of the Government, future outlook and budget expectations are other important features of the report.

CAPACITY BUILDING

Training

The ICAR-NIAP conducted a training program for probationary Officer Trainees of the Indian Economic Service 2019 batch from 12-16 April 2021 on 'Core Issues Related to Agricultural Sector'. The purpose is to familiarize the officers with emerging issues in India's agricultural and rural economy. About 30 officer-trainees have attended this program.



PRESTIGIOUS AWARDS AND RECOGNITION

- Dr. Uma Lele AERA India- Agriculture and Applied Economics Association Fellowship 2021, Subash S.P.
- AERA's Young Agricultural Economist Award 2020, Balaji S.J.

EVENTS

International Women's Day

ICAR-NIAP celebrated International Women's Day on March 8, 2021. Prof. Neetha N., Centre for Women's Development Studies, Indian Council of Social Science Research, New Delhi delivered a lecture on the occasion. She highlighted various issues in gender studies, women in agriculture, challenges and opportunities for women during lock-down. Dr Suresh Pal, Director, NIAP emphasized the need of more gender oriented research in academic institutions and more gender inclusive decisions from administrative side.

Workshop

The workshop of research network partners was held during May 10-13, 2021 at ICAR-NIAP, New Delhi in virtual mode under the chairmanship of Dr. Suresh Pal, Director, ICAR-NIAP to discuss the detailed work plan and activities of the newly initiated network project at ICAR-NIAP with the collaborative and expected research partners.

Anti-Terrorism Day

Anti-terrorism pledge on May 21, 2021.

World No Tobacco Day

The pledge on World No Tobacco Day on May 31, 2021.

International Yoga Day

International Yoga Day on June 21, 2020.

Webinar on Agricultural Development Report 2020-21

ICAR-NIAP organized a webinar on Release of Agricultural Development Report 2020-21 and panel discussion on June 22, 2021. The session was moderated by Dr Mruthyunjaya, Dr PK Joshi and Dr Ramesh Chand, Former Directors, ICAR-NIAP.

हिंदी कार्यशाला

संस्थान में हिंदी अनुवाद-कार्य कुशलता बढ़ाने हेतु वर्चुअल कार्यशाला का आयोजन 23 जनवरी 2021 को किया गया, जिसमें संस्थान के समस्त वैज्ञानिकों, अधिकारियों एवं कर्मचारियों ने हिस्सा लिया और अनुवाद किया।

राजभाषा समिति की बैठक

राजभाषा समिति की तिमाही बैठक, 30 जनवरी, 2021 को संपन्न हुई।

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