



Linkages and Collaborations in India and Abroad including Outside Funded Projects

S.No.	Title	Collaborative/ Funding Agency	Date of Start	Date of Completion
International Project				
1.	Mapping and cultural authority of science across Europe and India (MACAS-EU & India)	IHD, New Delhi LSE, London, UK	01 April 2012 (IASRI association w.e.f. 18 July 2013)	30 November 2015
ICAR Institutes/ SAUs				
2.	Bioprospecting of genes and allele mining for abiotic stress tolerance	NRCPB, New Delhi (NAIP Component-IV)	04 May 2009	30 June 2014
3.	Establishment of national agricultural bioinformatics grid for ICAR	ICAR-NBPGR, New Delhi ICAR-NBAGR, Karnal ICAR-NBFGR, Lucknow ICAR-NBAIM, Maunath Bhanjan ICAR-NBAII, Bangalore (NAIP Component-I)	01 April 2010	30 June 2014
4.	Refinement of livestock feed resources and development of dynamic database information system	ICAR-NIANP, Bangaluru	01 July 2010	31 December 2014
5.	Phenomics of moisture deficit and low temperature stress tolerance in rice	ICAR-NRCPB, New Delhi ICAR-IARI, New Delhi Delhi University, New Delhi ICAR-CRRI, Cuttack; ICAR-IGKV, Raipur CAU, Barapani ICAR-RC-NEHR, Barapani	15 February 2011	30 December 2015
6.	Development of web based mushroom expert system	ICAR-DMR, Solan	01 April 2011	31 March 2015
7.	Strengthening and refinement of Maize AgriDaksh	ICAR-DMR, New Delhi	01 April 2011	31 March 2016
8.	Planning, designing and analysis of experiments planned ON-STATION under PDFSR	ICAR-PDFSR, Modipuram	01 April 2012	31 March 2017

9.	Planning, designing and analysis of ON-FARM experiments under PDFSR	ICAR-PDFSR, Modipuram	01 April 2012	31 March 2017
10.	Planning, designing and analysis of data relating to experiments conducted under AICRP on LTFE	AICRP on LTFE ICAR-IISS, Bhopal	01 April 2012	31 March 2017
11.	Information system for planning and analysis of experiments on All-India Coordinated Research Project on Vegetable Crops	AICRP, ICAR-IIVR, Varanasi ICAR-NAARM, Hyderabad	05 February 2013	31 March 2017
12.	Engaging farmers, enriching knowledge: agropedia phase-II	IIT, Kanpur (NAIP)	01 April 2013	30 June 2014
13.	Modelling network of gene responses to abiotic stress in rice	ICAR-NRCB, New Delhi, ICAR-DRR, Hyderabad, ICAR-DKMA, New Delhi, CDAC, Pune (NFBSFARA)	01 April 2013	31 March 2016
14.	Development of innovative approaches for small area estimation of crop yield, socio-economic and food insecurity parameters	ICAR, Lal Bahadur Shastri Young Scientist Award	09 December 2013	08 December 2016
15.	Network project on market intelligence	ICAR-NIAP, New Delhi (ICAR, DARE)	13 February 2014	31 March 2017
16.	Development of 16s rDNA rumen specific microb database	ICAR-NIANP, Bangalore	01 April 2014 (IASRI association w.e.f. 23 July 2014)	31 March 2017
17.	Bioinformatics approaches for data analysis and functional inferences in soil metagenome(s)	ICAR-NBAIM, Mau	01 July 2014	30 June 2017
18.	Development and application of electronic learning and diagnostic modules for health management of dogs	ICAR-IVRI, Izatnagar	01 July 2014	31 December 2015
19.	Tobacco Agridaksh: An online expert system	ICAR-CTRI, Rajahmundry	20 October 2014	20 October 2017
20.	Network project on impact assessment of agricultural research and development	ICAR-NIAP, New Delhi (ICAR)	01 January 2015 (IASRI association w.e.f. 12 January 2015)	31 March 2017
21.	ICAR network project on transgenics in crops	ICAR-NRCPB (ICAR)	27 January 2015	31 March 2017
Government of India				
22.	Whole genome association (WGA) analysis in common complex diseases: An Indian initiative	UDSC, NII, Delhi University, AIIMS, DMC (DBT)	29 September 2008	31 July 2014
23.	Experimental designs in the presence of indirect effects of treatments	DST	01 October 2011	30 September 2015
24.	Assessment of quantitative harvest and post harvest losses of major crops/ commodities in India	ICAR-CIPHET, Ludhiana (Ministry of Food Processing Industries, Government of India)	01 February 2012 (IASRI association w.e.f. 01 June 2012)	31 March 2015
25.	A new distributed computing framework for data mining	BITS, Pilani (Department of Electronics & Information Technology, Government of India)	15 October 2012 (IASRI association w.e.f. 01 November 2012)	14 October 2015

26.	Pilot study for estimation of seed, feed and wastage ratios of major food grains	National Accounts Division, Central Statistics Office, MOS&PI, Government of India	01 July 2013	30 June 2015
27.	Bioacoustics tool: A novel non-invasive approach for different monitoring of health and productivity in dairy animals	ICAR-NDRI, Karnal (DBT)	01 February 2013	31 January 2016
28.	Whole genome sequencing and development of allied genomics resources in two commercially important Fish-Labeo rohita and clarias batrachus	ICAR-NBFGR, CIFA, AAU (DBT)	28 January 2014	09 September 2016
29.	Study to test the developed alternative methodology for estimation of area and production of horticultural crops. (CHAMAN program under MIDH)	Department of Agriculture and Cooperation (DAC), Ministry of Agriculture (MoA), Government of India.	16 September 2014	15 June 2017
30.	Pilot study for developing state level estimates of crop area and production on the basis of sample sizes recommended by Professor Vaidyanthan Committee Report	Directorate of Economics and Statistics, Department of Agriculture and Cooperation, Ministry of Agriculture, Government of India, New Delhi.	16 February 2015	15 February 2017
31.	Whole genome based SNP mining and development of breed signatures for dairy and dual purpose indigenous cattle	ICAR-NBAGR, Karnal ICAR-NDRI, Karnal (DBT)	09 July 2014	08 July 2017
Consultancy Studies				
32.	Study on improving methods for estimating crop area, yield and production under mixed, repeated and continuous cropping	FAO	18 December 2014	17 June 2016

ICAR-IASRI

Volume 18 No. 4 NEWS January-March, 2015

- Research Achievements
- Human Resource Development
- Awards and Recognitions
- Forecast of Activities
- Publications
- Authors' Feedback
- Participation
- Conferences/Seminars/Workshops
- Personnel



From Director's Desk ...
This newsletter highlights salient research achievements, training programmes and workshops organized and other significant activities performed at the institute during the period under report.

A quantitative assessment of harvest and post-harvest losses for 45 major agricultural crops/commodities in 120 districts of the country was made using stratified multistage random sampling design. A comparison of losses between 2013-14 vis-à-vis 2005-2007 was made for various food grains, oilseeds, fruits and vegetables.

Development of resistance to chemical antibiotics in cattle is an unsolved ill date. Anti-Microbial Peptides (AMPs) are considered as alternative to chemical antibiotics. Different machine learning techniques such as Artificial Neural Networks (ANNs) and Support Vector Machines (SVMs) have been applied to predict AMPs in cattle. SVMs with different kernels have exhibited high accuracy of prediction and this were implemented on a web server for classification/prediction of novel AMPs of cattle. The developed server is made available in public domain for ready use by the application scientists.

Phenomics is another emerging area where the institute scientists in collaboration with ICAR-IARI and IIT-Delhi have developed a phenome data management system with several analysis modules meant for estimation of physical and biochemical traits of rice under moisture deficit and low temperature stress tolerance. A non-destructive approach involving regression methodology has been developed for estimation of leaf area and chlorophyll content of rice seedlings under pot culture conditions through image analysis. An online software 'Leaf Area Estimator' has been developed and deployed on the production server for ready use by the experimental biologists.

Two international trainings, one for officials of Ministry for Agriculture, Irrigation and Livestock, Afghanistan and the other for officials of African-Arable Rural Development Organization (AARDO), two CAPT trainings and two trainings for technical personnel of ICAR were organized at the Institute. Besides, four national workshops have also been organized.

Scientists of the institute have received various awards and recognitions. During the period, four new projects were initiated. The staff of the institute has participated in the Swachh Mission organized by ICAR as a part of Swachh Bharat Abhiyan, a national campaign by the Government of India.

Scientists of the institute have published 30 research papers in National/International Journals of repute, published 4 book chapters and delivered 18 invited lectures in various training programmes organized outside the institute. Scientists have participated in different conferences/symposia/workshops, etc. and presented several invited talks, oral/poster papers and organized different sessions in various capacities.

It is hoped that the contents of this document would be informative and useful to scientists in NARS. Any suggestions for improving the contents of the newsletter further would be highly appreciated.

IASRI
(ICAR)

IASRI ANNUAL REPORT

2013-14



INDIAN AGRICULTURAL STATISTICS RESEARCH INSTITUTE
(INDIAN COUNCIL OF AGRICULTURAL RESEARCH)
LIBRARY AVENUE, PUSA, NEW DELHI - 110 012
www.iasri.res.in



कृषि अनुसंधान डाटा पुस्तिका AGRICULTURAL RESEARCH DATA BOOK 2014



भारतीय कृषि अनुसंधान परिषद
कृषि भवन, नई दिल्ली - 110 014

INDIAN COUNCIL OF AGRICULTURAL RESEARCH
KRISHI BHAVAN, NEW DELHI - 110 014



भारतीय कृषि सांख्यिकी अनुसंधान संस्थान
लाइब्रेरी एवेन्यू, पुसा, नई दिल्ली - 110 012

INDIAN AGRICULTURAL STATISTICS RESEARCH INSTITUTE
LIBRARY AVENUE, PUSA, NEW DELHI - 110 012

2014-15

अंक 10

सांख्यिकी-विमर्श



क.कृ.अनु.प. - भारतीय कृषि सांख्यिकी अनुसंधान संस्थान
लाइब्रेरी एवेन्यू, पुसा, नई दिल्ली - 110012

