

MANDATE

- Basic and strategic research on physical, chemical and biological processes in soils related to management of nutrients, water and energy.
- Advanced technologies for sustainable soil health and quality.
- Coordinate the network research with State Agricultural Universities, National, International and other Research Organizations.

MISSION

To provide scientific basis for enhancing and sustaining productivity of soil resources with minimal environmental degradation

VISION

Basic and strategic research on physical, chemical and biological processes in soils for improving soil health and crop productivity

SIGNIFICANT ACHIEVEMENTS

- Developed Soil fertility maps of N, P, K and S based on GIS and nutrient index.
- Developed Mini Soil Lab – Mridaparikshak, to provide rapid soil testing service at farmer's doorsteps.
- Developed low-cost Integrated Nutrient Management (INM) and Balanced Fertilization Technology for Soybean-Wheat cropping System.
- Developed nano-rock phosphate from indigenous sources.
- Developed enriched compost production technology.
- Rapo-Composting Technique for Recycling Farm and City Wastes.
- Developed mixed consortium of bio-fertilizers for cereals, legumes and oilseeds.
- Identified plant growth promoting bacteria and rhizobia in Vertisols.

FIVE BEST TECHNOLOGIES/PRODUCTS

- Mini Soil Lab – Mridaparikshak for rapid soil testing service.

- Soil fertility maps based on GIS and nutrient index.
- INM technologies for cereals, pulses and oilseeds
- Enriched rapid compost production technology
- Maximum permissible limits of heavy metals loading in soils

NEW INITIATIVES

- Conservation agriculture for dominant crops and cropping systems of India.
- Nano technology in nutrient delivery to plants.
- Critical limits of heavy metals for major soil orders of India
- Soil quality assessment in major crop production regions of India
- In-situ residue decomposition of rice-wheat and sugarcane
- Prediction of soil properties through MIR spectroscopy

FLAGSHIP PROGRAMMES

- Soil health management.
- Conservation agriculture and carbon sequestration
- Soil pollution and remediation of polluted soil

COLLABORATIVE PARTNERS

Three AICRPs and one Network Project co-operating units located at IISS Bhopal have 58 cooperating centers spread across almost all the SAUs.

THRUST AREAS

- Soil health management and input-use efficiency
- Conservation agriculture and carbon sequestration
- Soil microbial diversity and genomics
- Soil pollution and remediation

EXTERNALLY FUNDED PROJECTS/CONSULTANCY

Foreign aided projects: 01
Externally funded Projects: 10 Nos. (01 No. AMAAS, 01 No. No. DBT, 01 No. Network

project on organic farming, 01 No. CRP on conservation agriculture), 3 No. Extra Mural Projects, ICAR and 1 No NASF, 1 No. NICRA, 1 No. CRP on Nanotechnology

Other sponsored projects - 9 Nos (Nagarjuna Agro Pvt. Ltd., Hyderabad, BASF Pvt. Ltd. (Mumbai), NUALGI, Biotech, Bangalore, PRII, Gurgaon, Zuari Agro Chemicals Ltd, Indofil Industries Ltd, IIPR Research Station, Phanda, NBAIM, MAU).

STAFF STRENGTH

	Sanctioned	Filled	Vacant	% Vacant
Scientific	57	46	11	19.29
Technical	19	17	2	10.52
Administrative	28	19	9	32.14
Supporting	25	20	5	20.00
Total	129	102	27	20.93

QRT

Period : 2007 to 2012

Chairman: Dr. Pratap Narain, Ex. VC SKRAU, Raj Vihar, P.O. New Forest, Dehradun – 248 006

Next QRT due for: 2012 to 2017

RAC

Period: 30-31 January 2015 (Completed)

Current RAC: 22/10/2014 to 21/10/2017

Chairman: Dr. C.L. Acharya

Next RAC due for: 2017 to 2020

IMC

Period: 14 July 2015 (completed)

Chairman: Dr. Ashok K. Patra, Director, IISS, Bhopal.

Next IMC due for July 2016 to Dec. 2017

RFD & COMPOSITE SCORE FOR 4 YEARS

Year	2010-11	2011-12	2012-13	2013-14
Score	100	89.30	92.00	98.00

STATUS OF ISO 9001

Certified/Not certified, if yes, from where (Name of agency)

Yes, it is already certified by M/s Global Certification Services, LF-4, Mansarovar Complex, Bhopal. (Renewal is in process).

PUBLICATIONS (previous year)

No. of papers in NAAS rated journals

(a) No. of papers in score < 6 = 44

(b) No. of papers in scores > 6 = 55

(c) Total = 99

Per scientist per year papers = 99/46 = 2.15

FINANCIAL OUTLAY

For Main Institute (Rs. in lakh)

	XI Plan actual utilization	XII Plan proposed	Last year budget		
			RE	Actual Expenditure	% Utilization
Plan	1213.32	1850.00	285.00	275.40	97
Non Plan	2581.39	4851.00	1029.00	1018.43	99
Total	3794.71	6701.00	1314.00	1293.83	

For AICRP Institute (Rs. in lakh)

	XI Plan actual utilization	XII Plan proposed	Last year budget		
			RE	Actual Expenditure	% Utilization
Plan	5528.16	18955.00	2244.60	2244.54	100
Non Plan	262.88	357.00	80.00	79.23	99
Total	5791.04	19312.00	2324.60	2323.77	

For Main Institute + AICRP (Rs. in lakh)

	XI Plan actual utilization	XII Plan proposed	Last year budget		
			RE	Actual Expenditure	% Utilization
Plan	6741.48	20805.00	2529.60	2519.94	99.62
Non Plan	2844.27	5208.00	1109.00	1097.66	98.98
Total	9585.75	26013.00	3638.60	3617.60	

Resource generation for last year's 3 years (Rs. in lakhs)

	2013-14	2014-15	2015-16
	51.85	109.16	107.84

Director: Dr. A K Patra

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