

**MANDATE**

- Researches on field and horticultural crops, livestock, and fisheries relevant to natural resource base of coastal India for sustainable productivity.
- Develop climate resilient land use and farming systems for improved and sustainable livelihood through coastal agriculture.
- Act as a centre of agro-eco-tourism.

**MISSION**

Introduction and improvement of all potential crops and various species / breeds of livestock and scientific exploitation of various aquatic resources for improving fish production”.

**VISION**

To spread the knowledge on agriculture, horticulture, livestock and fish farming for increasing productivity and livelihood security of farming community.

**SIGNIFICANT ACHIEVEMENTS**

- GIS and GPS based soil fertility mapping state of Goa
- Development of integrated farming system (IFS) models (upland and low land) for west coast of India
- Integrated nutrient management for rice production in coastal saline soils of Goa
- Grafting of cultivated brinjal on wild brinjal - A promising technology to manage bacterial wilt
- Biological control of bacterial wilt using antagonistic bacteria
- Development of microbial inoculant based INM Package for cashew
- Goa Benuolim Pani a coconut selection with desirable tender coconut qualities was identified
- Three promising new cashew selections - Tiswadi-3 (Goa Cashew-2); Ganje-2 (Goa Cashew-3); KN 2/98 (Goa Cashew-4) submitted to SVRC.
- Post harvest studies in fruits and spices
- Standardized polyhouse production technologies for high value flower and vegetable crops in Goa.
- Agonda Goan – A local pig breed identified and registered with NBAGAR as coastal breed.
- Evaluation and preservation of boar semen
- Characterization of *Listeria monocytogenes* using PFGE

- Package of practice for backyard poultry (Vanaraja, Srinidhi and Gramapriya) production standardized
- Exploration of fish biodiversity in Goa
- Satellite based Potential Fishing Zone (PFZ) advisories and validations in Goa
- Standardization of low cost mussel culture in Goa
- Development of web portal – Soil Health Management
- WASP: The first Web Based Agricultural Statistics Software Package developed

**FIVE BEST TECHNOLOGIES/PRODUCTS**

- Korgut: a rice landrace from Goa, registered as Unique Germplasm, for tolerance to salinity stress at seedling stage
- Goa cowpea -3: A grain cowpea variety for Goa identified.
- Identified the Goan germplasm of pig (Agonda Goan) and registered under id INDIA\_PIG\_3500\_AGONDAGOAN\_09003
- Technology for production and feeding of hydroponics fodder to dairy animals introduced and feeding strategy developed.
- Technology for production of bypass fat indigenously for feeding of dairy animals developed.

**NEW INITIATIVES**

- Online web portal for crop wise fertilizer recommendations.
- Launched fertilizer calculator Goa- app. for mobile users
- Integrated insect pest and disease management in crop plants with emphasis on sustainable and eco friendly approach.
- Development of coastal agriculture
- Protocols for processing of nutmeg pericarp for making candy, jam and syrup standardized.
- Production of hydroponics fodder by low cost devices for feeding of dairy animals.
- Introduced livestock - Gir, Konkani Kanyal goat, Kuttinad ducks and duroc pig and evaluation for their performance under coastal climatic conditions.
- Developing diagnostic assays to detect animal pathogens such as ORF virus and *E. coli* O157:H7 from goats, *Pasteurella multocida* from dairy cows and Cryptosporidiosis from pigs and cattle.
- Standardized AI in pigs

- Developed a boar semen extender and obtained preliminary patent.

**COLLABORATIVE PARTNERS**

Institute has established linkages with IRRI, PDFSR, DSR, IISR, CSSRI, CPCRI, DCR, NRC on Pig, IGFRI, CIFE, CMFRI, IVRI, NIVEDI, DPR and other SAUs.

**FLAGSHIP PROGRAMMES**

Integrated farming system for livelihood security and sustainability for agricultural farmers.

**THRUST AREAS FOR XII PLAN**

- Management of coastal salinity and mine reject areas to improve the productivity of different crops.
- Collection, conservation, characterization and sustainable management of region specific genetic resources in major field and horticultural crops.
- Population dynamics and virulence of insect pests and plant pathogens in the emerging scenario of climate change to design appropriate management strategies.
- Nutritional and managerial interventions for economic milk and meat production.
- Development of fresh, marine and brackish water fish production through different enhancement and culture techniques.

**EXTERNALLY FUNDED PROJECTS/CONSULTANCY**

Foreign aided projects: 1  
Other sponsored projects: 23 (ICAR, DBT, NFDB, DSTE,Goa, Noni Foundation, RKVY etc.)

**STAFF STRENGTH**

	Sanctioned	Filled	Vacant
Scientific	21	22	--
Technical	18	16	2
Administrative	21	16	5
Supporting	32	26	6
<b>Total</b>	<b>92</b>	<b>80</b>	<b>13</b>

**QRT**

**Period:** 1st January, 2007 to 30th April, 2013.  
**Chairman :** Dr. Vijay Mehta  
**Next QRT due** for 1st May, 2013 to 31st March, 2018.

**RAC**

**Period:** 30th January, 2014 to 29th Jaurary, 2017.  
**Chairman :** Dr. R. B. Deshmukh  
**RAC held:** 29-30 October, 2015  
**Next RAC Committee due** for : - Jan 2017

**IMC**

**Period:** September, 2013 to September, 2016.  
**Chairman :** Dr. Narendra Pratap Singh  
**Next IMC due** for : -October 2016

**RFD 7 COMPOSITE SCORE FOR 4 YEARS**

Year	2011-12	2012-13	2013-14	2014-15
Score	<b>96.4</b>	<b>93.39</b>	<b>96.64</b>	<b>98.70</b>

**STAUS OF ISO 9001**

Certified: International Certification Services Pvt. Ltd

**PUBLICATIONS (PREVIOUS YEAR)**

No. of papers in NAAS rated journals:  
(a) No. of paper in score < 6: 14  
(b) No. of papers in score > 6: 15  
**Total 29**  
Per scientist per year papers: **1.61**

**FINANCIAL OUTLAY (Rs. in lakh)**

	XI Plant actual utilization	XII Plant actual utilization	Last year budget (2015-16)		
			RE	Actual expenditure	% utilization
Plan	1361.20	2185.00	395.00	394.74	99.93 %
Non-plan	2681.79	5000.00	960.00	948.61	98.81%

**RESOURCE GENERATION FOR LAST 3 YEARS (RS. IN LAKHS)**

2012-13	2013-14	2014-15
73.86	69.74	106.69

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