**Publications**

**Call VII**

**Project Title**: Utilization and refinement of haploid/doubled haploid induction systems in rice, wheat and maize involving molecular and in-vitro strategies

**Project Code**: 7002

**PI Name**: Dr. Sanghamitra Samantaray

**Lead Centre**: NRRI, Cuttack

**Publications**:


**Project Title**: Genetic improvement of rice for yield, NUE, WUE, abiotic and biotic stress tolerance through RNA Guided Genome Editing (CRISPR-Cas9/Cpf1)

**Project Code**: 7003

**PI Name**: Dr. Viswanathan Chinnusamy, Dr. M. K. Reddy

**Lead Centre**: IARI, New Delhi, ICGEB, New Delhi

**Publications**:


**Project Title**: Production of multiple copies of elite buffalo bulls using animal cloning technology

**Project Code**: 7004
**PI Name**: Dr. Prem Singh Yadav

**Lead Centre**: CIRB, Hisar

**Publications**:


Project Title : Improving the usability of buffalo spermatozoa by sperm surface remodelling and immune acceptance in female reproductive tract.

Project Code : 7005

PI Name : Dr. Rakesh Kumar

Lead Centre : NDRI, Karnal

Publications :


Project Title : Development of a rapid and robust high throughput reporter cell based bioassay for detection of xenobiotics in milk

Project Code : 7006

PI Name : Prof. Surya Pratap Singh

Lead Centre : BHU, Varanasi

Publications :


Project Title : Production and Processing of Microalgal Biomass for Biodiesel and Other Industrially Important Co-products: An Algal Refinery Approach

Project Code : 7007

PI Name : Dr. Nirupama Mallick
Lead Centre : IIT, Kharagpur

Publications :


Project Title : To elucidate the unique biochemical adaptational strategies that allow two air-breathing catfishes (*Clarias batrachus* and *Heteropeustes fossilis*) to survive in ammonia enriched toxic waste

Project Code : 7011

PI Name : Prof. Nirmalendu Saha

Lead Centre : NEH University, Shilong
Publications:


Project Title: Identification of super donors and alleles for spikelet fertility and low chalkiness under thermal stress in rice

Project Code: 7014

PI Name: Dr. Anil Grover

Lead Centre: University of Delhi, South Campus, Delhi

Publications:

**Project Title**: Epigenomics of drought acclimatization and stress memory in rice

**Project Code**: 7016

**PI Name**: Dr. Suresh Kumar

**Lead Centre**: IARI, New Delhi

**Publications**:


**Project Title**: Targeted immobilization of Y-bearing spermatozoa and modulation of oviduct milieu for skewing sex ratio towards female offspring in dairy cattle

**Project Code**: 7017

**PI Name**: Dr. A. Kumaresan

**Lead Centre**: NDRI (SRS), Bengaluru
Publications:


Project Title: Identifying the genomic regions and genes for drought and heat tolerance in groundnut

Project Code: 7020

PI Name: Dr. Ramesh Bhat

Lead Centre: UAS, Dharwad

Publications:


Project Title: Identification of host factors responsible for infection and development of nano-particle based dsRNA delivery system for imparting resistance to begomoviruses

Project Code: 7021

PI Name: Dr. P.N. Sivalingam

Lead Centre: NIBSM, Raipur

Publications:


**Project Title**: Long-term conservation agriculture impact on microbiome and soil health indicators for resource efficiency and resilience in maize systems

**Project Code**: 7022

**PI Name**: Dr. Shankar Lal Jat

**Lead Centre**: IIMR, New Delhi Unit

**Publications**:


Project Title: Re-designing rice crop for improvised grain micronutrient quality using CRISPR-Cas9/Cpf1 genome editing

Project Code: 7025

PI Name: Dr. Tanushri Kaul

Lead Centre: ICGEB, New Delhi

Publications:


Project Title: Development and Validation of Smart Aquaculture Model (SAM): Application of ICT and Data analytics for sustainable shrimp aquaculture

Project Code: 7027

PI Name: Dr. M. Kumaran

Lead Centre: CIBA, Chennai

Publications:


Project Title: Developing climate resilient adaptive strategies for empowerment of farmers

Project Code: 7029

PI Name: Dr Bheemappa Anjinappa

Lead Centre: UAS, Dharwad

Publications: