

# Indian Crop Phenome Database

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Project Record  
ID: PPJ\_100007

## Project Details

Analysis of diversity in yield components (seed size and weight) at transcriptome and epigenome levels for association/genetic mapping of selected loci in rice and chickpea Component 1: Sub project II: Transcriptome and small RNA diversity analysis of developing seed in contrasting rice varieties

| Project Information       |                                                                                                                                                                                                                                                                                                           |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project ID                | PPJ_100007                                                                                                                                                                                                                                                                                                |
| Uploaded By               | Pinky Agarwal                                                                                                                                                                                                                                                                                             |
| Project Title             | Analysis of diversity in yield components (seed size and weight) at transcriptome and epigenome levels for association/genetic mapping of selected loci in rice and chickpea Component 1: Sub project II: Transcriptome and small RNA diversity analysis of developing seed in contrasting rice varieties |
| Description               | Morphological, cytological, transcriptome and miRNome analyses of five seed development stages, from two rice genotypes contrasting for grain size, SN and LGR                                                                                                                                            |
| Grant Number              | BT/AB/NIPGR/SEED BIOLOGY/2012, SB/WEA-02/2014, CRG/2018/000501 and SPG/2021/002899                                                                                                                                                                                                                        |
| Funding Agency            | Department of Biotechnology (DBT), Ministry of Science & Technology, Govt. of India and Science and Engineering Research Board (SERB), Govt. of India                                                                                                                                                     |
| Publications (DOI / PMID) | Cytological, transcriptome and miRNome temporal landscapes decode enhancement of rice grain size                                                                                                                                                                                                          |
| Release Date              | April 19, 2023                                                                                                                                                                                                                                                                                            |
| Project Type              | Individual                                                                                                                                                                                                                                                                                                |
| Consortium Details        |                                                                                                                                                                                                                                                                                                           |

No consortium members registered for this project.

## Crop Details



**Oryza sativa**

Taxon ID: 4530

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