ICAR-National Bureau of Fish Genetic Resources
Canal Ring Road, Dilkusha PO, Lucknow-226002, India

Name	**Ms. Tanwy Dasmandal**
Designation	Scientist
Date of Birth	20-11-1994
Professional experience	2 months
Qualification (PG and above)	MSc (Agriculture) in the discipline of Bioinformatics
Current area of Research	▪ Machine Learning ▪ Genomics and Transcriptomics
Area of Research Expertise	▪ Circular RNA identification and characterization ▪ Development of models using Machine learning algorithms
Awards/ Recognitions(only National and International)	▪ 2017: ICAR-JRF Fellowship to pursue MSc at ICAR-IARI, New Delhi ▪ 2020: Nehru Memorial Gold Medal Award (2017-2019) ▪ 2020: Qualified CSIR-UGC-NET in Life Sciences ▪ 2021: Qualified ICAR-NET in Bioinformatics
Publication (no.)	▪ **Research papers: 1** ▪ **Review articles: 1** ▪ **R-package: 1**

Important Research Publications

1. **Dasmandal, T.,** Rao, A. R., & Sahu, S. (2020). Identification and characterization of circular RNAs regulating genes responsible for drought stress tolerance in chickpea and soybean. *INDIAN JOURNAL OF GENETICS AND PLANT BREEDING*, 80(01), 1-8.

2. **Dasmandal, T.,** Mishra, D. C., & Rai, A. (2022). Role of Bioinformatics in the Development of Plant Genetic Resources.

3. R-package;

   CRAN link: https://cran.r-project.org/package=EpiSemble

   Sinha, D., Archak, S., Mishra, D. C., **Dasmandal, T.,** & Yeasin, M. (2022). R-package EpiSemble: Ensemble Based Machine Learning Approach for Predicting Methylation States.