

SCIENTIST PROFILE



1. Name & Designation : Dr. Sharat Kumar Pradhan
Principal Scientist
2. Date of Birth : 6th January, 1967
3. Date of joining ICAR : 3rd December, 1997
4. Date of joining the present post : 15th July, 2013
5. Qualification (highest degree) : Ph.D (Major-Genetics & Plant Breeding;
Minor-Molecular Biology & Genetic Engineering)
6. Post Doctoral Research Experience/Training: Training at IRRI, Manila, Philippines
7. Area of Specialization/research interest: Rice Breeding
8. Significant contribution including products and patents (Five bullets):
 - Development and release of deep water rice varieties, CR Dhan 500, Jala Mani, Jayanti Dhan and CR Dhan 505
 - Development and release of rainfed shallow lowland rice varieties, CR Dhan401, Sumit and Reeta
 - Development and release of irrigated rice varieties, CR Dhan 300, Hue (CR Dhan 301), CR Dhan 601 (Boro), CR Dhan 303, CR Dhan 304 and CR Dhan 305.
 - Development and release of drought tolerant upland rice variety--Satyabhama
 - Development and release of aerobic rice variety--Pyari, CR Dhan 201, CR Dhan 202 and CR Dhan 204
9. Awards/Honours:
 - CRRI best scientist award-2006
 - CRRI best scientist award-2010
 - Qualified ICAR NET-1996
 - Recognised Ph.D guide of Utkal and Ravenshaw University
10. Publications (10 best):
 - i. Behera L, Mohanty S, **Pradhan SK**, Singh S, Singh ON, Sahu RK, Sahu SC, Dash SK and Mohapatra T (2013). Assessment of genetic diversity of rainfed lowland rice genotypes. **Indian Journal of Genetics** 73(2): 142-152.
 - ii. Tyagi JP, Singh Tejbir, Singh S, Goel Nitika, **Pradhan SK** and Singh VP (2010). Identification of genotypes with High resistance genes for bacterial blight. **Indian Journal of Agricultural Sciences** 80(1): 63-68.
 - iii. Singh AK, Singh S, **Pradhan SK**, Singh A, Tyagi JP, Ram PC and Singh Alok (2009). Identification of Physiological Marker traits Associated with submergence tolerance of Lowland rice. **Indian Journal of Agricultural Sciences** 63(09): 687-693.
 - iv. Singh S, **Pradhan SK**, Singh NK, Tyagi JP, Singh PK, Singh VN, Singh AK and R Chandra (2009). Genetic analysis of agromorphologic traits under normal and delayed planting in rainfed lowland rice. **Indian Journal of Agricultural Sciences** 63(01): 1030-1035.
 - v. Singh S, **Pradhan SK** and Virk P (2008). Genetic divergence in new plant type rice under shallow lowland ecosystem. **SABRAO Journal of Breeding and Genetics** 40(1): 1-2.

- vi. Chandra R, Singh S, **Pradhan SK**, Singh ON and Das TR (2008). Comparison among different classificatory analysis methods in some upland rice genotypes. **Indian Journal of Agricultural Sciences** 78(12): 1078-1081.
- vii. **Pradhan SK**, Bose LK, Singh S, Chandra R and Singh ON (2007) Estimation and association of genetic diversity and heterosis in basmati rice. **Journal of Crop Science and Biotechnology** 10(2): 86-91.
- viii. Bose LK, Das S, **Pradhan SK**, Subudhi HN, Singh S and Singh ON (2007). Genetic variability of quality characters and grain yield in lowland rice genotypes of Eastern India. **Korean Journal of Breeding Science** 39(1): 39-44.
- ix. **Pradhan SK**, Bose LK and Mani SC (2006). Basmati type restorers and maintainers for two cytotsterile lines of rice. **Indian Journal of Genetics** 66(4): 335-336.