

SCIENTIST PROFILE



1. Name & Designation : Dr. Jawahar Lal Katara
Scientist
2. Date of Birth : 12th May, 1979
3. Date of joining ICAR : 1st September, 2010
4. Date of joining the present post : 11th January, 2011
5. Qualification (highest degree) : Ph.D
6. Post Doctoral Research Experience/Training:
 - Foundation Course on Agriculture Research Service (FOCARS) from 1st Sep to 29th Dec, 2010
7. Area of Specialization/research interest: Biotechnology-Plant science
8. Significant Contribution including products and patents (Five bullets):
 - Developed two mitochondrial based markers for discrimination of CMS and Maintainer lines.
 - Screened fertility restorer genes (*Rf3* & *Rf4*) in NPTs and upland rice lines for development of hybrids.
 - Identified STMS markers for distinction of CRRRI developed hybrids.
 - Introgressed *Saltol* and *Sub1* genes both to maintainer line to be used in development of hybrids.
 - Identified five saline tolerant lines from the germplasm collected from saline areas using *Saltol* gene linked markers.
- 9 Awards/Honours:
 - DB T Fellowship (2002-2004) for M.Sc. (Ag) Biotechnology at IGAU, Raipur (CG)
 - CSIR-JRF/SRF fellowship (2007-2010) for Ph.D (Molecular Biology and Biotechnology) at IARI, New Delhi
- 10 Publications (10 best):
 - i. **Katara JL**, Deshmukh Rupesh, Singh Nagendra K and Sarvjeet Kaur (2012). Molecular typing of native *Bacillus thuringiensis* isolates from diverse habitats in India using REP-PCR and ERIC-PCR analysis. **Journal Genetics and Applied Microbiology** 58: 83-94.
 - ii. **Katara JL**, Sonah H, Deshmukh RK, Chaurasia Ravinder and Kotasthane AS (2010). Molecular analysis of QTLs associated with resistance to brown spot in rice (*Oryza sativa* L.). **Indian Journal of Genetics** 70(1): 17-21.