

SCIENTIST PROFILE



1. Name & Designation : Dr. Bhaskar Chandra Patra
Pr. Scientist (Eco. Botany)
2. Date of Birth : 11th June, 1961
3. Date of joining ICAR : 2nd February, 1990
4. Date of joining the present post : 2nd February, 2007
5. Qualification (highest degree) : Ph.D
6. Post Doctoral Research Experience/Training:
 - Subject Matter Training on Plant Genetic Resources at NBPGR, New Delhi during July-December, 1990
7. Area of Specialization/research interest : Rice Genetic Resources, Plant Taxonomy and Biosystematics
8. Significant Contribution including products and patents (Five bullets):
 - More than 40 Exploration programmes conducted for collection of rice genetic resources including weedy / wild rices
 - Morpho-agronomical characterization of thousands of rice germplasm of both native and exotic collections
 - *Ex situ* conservation of rice germplasm in MTS/LTS, wild species in field gene bank
 - Collection of rice weed flora from different rice ecologies, their identification, correct nomenclature and preservation
 - More than 3000 accessions of rice genetic resources have been added to the National Active Germplasm Site (NAGS)
9. Awards/Honours:
 - State school merit scholarship, Govt. of Orissa, 1972-76
 - State junior college merit scholarship, Govt. of Orissa, 1976-78
 - Junior Research Fellowship, Botanical Survey of India, Govt. of India, 1984-86
 - Senior Research Fellowship, Botanical Survey of India, Govt. of India, 1986-87
 - Secured second position in All India Agricultural Research Service, 1986
10. Publications (10 best):
 - i. Das S, Nayak M, **Patra BC**, Ramakrishnan B and Krishnan P (2010). Characterization of seeds of selected wild species of rice (*Oryza*) stored under high temperature and humidity conditions. **Indian Journal of Biochemistry & Biophysics** 47: 178-184.
 - ii. **Patra BC**, Mishra P and Patnaik SSC (2010). Genetic variability and improvement of long awned rice genotypes for areas vulnerable to elephant depredation. **Oryza** 47 (2): 148-150.
 - iii. Saha S and **Patra BC** (2009). Effect of variety and weed management practices on productivity of deepwater rice. **Oryza** 46(1): 45-47.
 - iv. **Patra BC**, Dhua SR, Marndi BC, Nayak PK, Swain P, Kumar GAK and Singh K (2008). Exploration, collection, characterization, evaluation and conservation of wild rice germplasm of east India. **Oryza** 45(2): 98-102.
 - v. **Patra BC** and Marndi BC (2006). Rice genetic resources of Mayurbhanj district, Orissa. **Bioversity International** 146: 43-48.
 - vi. **Patra BC** and Dhua SR (2003). Agro-morphological diversity scenario in upland rice germplasm of Jeypore tract. **Genetic Resources and Crop Evolution** 50: 825-828.

- vii. **Patra BC** (2000). Collection and characterization of rice genetic resources from Keonjhar district of Orissa. **Oryza** 37(4): 324-326.
- viii. **Patra BC** and Dhua SR (1998). Collecting and evaluating rice germplasm from Orissa, India. **Plant Genetic Resources Newsletter** 113: 53-55.
- ix. **Patra BC**, Sharma SD, Roy DN and Misra RK (1997). Conservation and utilization of eco- genetic resources of Panchpatmali hill in Orissa. **Journal of Bombay Natural History Society** 94(1): 36-39.
- x. **Patra BC** and Dhua SR (1996). Exploration, collection and characterization of Basmati rice germplasm in India. **Genetic Resources and Crop Evolution** 43: 481-484.