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Area of specialization : Genetics and Plant Breeding, Seed Production, Plant Tissue Culture

Areas of interest : Plant breeding, Participatory Seed production, Synthetic seed

Salient Publications :

1. **Bidhan Roy**. 2014. Farmers' participatory quality seed production of field crops-A case study. *Journal of Crop and Weed*. **10(2)**: 89-93.
2. **Bidhan Roy**, Sanjib Bhadra. 2014. Hydroponic Screening for Selection of Aluminium Tolerant Rice (*Oryza Sativa* L.) Genotypes at Seedlings Stage Using Different Indices. *Cereal Research Communication*. **42(3)**: 463-473.
3. **Bidhan Roy**, Sanjib Bhadra. 2014. Effect of Toxic Levels of Aluminium on Seedling Parameters of Rice (*Oryza sativa* L.) under Hydroponic Culture. *Rice Science*. **21(4)**: 217-223.
4. **Bidhan Roy**, Dinesh Tulsiram Surje, Shudhansu Mahato. 2013. Biodiversity of farmers' varieties of rice (*Oryza sativa* L.) At repository of Uttar Banga Krishi Viswavidyalaya: A reservoir of important characters. *The Ecoscan*. **4**: 145-151.
5. **Bidhan Roy**, Venkateshwarlu Challa. 2012. Effect of Low-temperature on Seedling Characters and Yield of *Boro* Rice (*Oryza sativa* L.). *Journal of Crop and Weed*. **8(2)**: 12-17.
6. **Bidhan Roy** and Mandal AB. 2008. Development of synthetic seeds involving androgenic embryos and pro-embryos in an elite *indica* rice. *Indian Journal of Biotechnology*, CSIR. **7(4)**: 515-519.
7. **Bidhan Roy**, Mandal AB. 2006. Rapid and recurrent mass-multiplication of androgenic embryos in *indica* rice. *Indian Journal of Biotechnology*, CSIR, New Delhi. **5(2)**: 239-242.
8. **Bidhan Roy**, Asit K. Basu and Asit B. Mandal. 2005. Genetic studies for rice improvement in humid tropics. *Tropical Agriculture, West Indies*. **82(2)**: 85-96.
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10. **Bidhan Roy**, Mandal AB. 2005. Anther culture in *indica* rice and variation in major agronomic characters in androclones of Karnal local. *African Journal of Biotechnology*. **4(3)**: 235-240.



11. **Bidhan Roy**, Mandal AB. 2005. Increased Fe-toxicity tolerance and modulation of isozyme profile in rice. *Indian Journal of Biotechnology*, CSIR, New Delhi. **4(1)**: 65-71.
12. **Bidhan Roy**, Basu AK, Mandal AB. 2002. Genetic diversity in rice under the humid tropics of Andaman based on grain yield and seed characters. *Indian Journal of Agricultural Sciences*, ICAR, New Delhi. **72(3)**: 83-86.
13. Mandal AB, Sheeja TE, **Bidhan Roy**. 2000. Assessment of androclonal variation in *indica* rice PTB 28. *Indian Journal of Experimental Biology*, CSIR, New Delhi. **38**:1054-1057.