Name: Dr. Sandip Debnath
Designation: Assistant Professor of Genetics and Plant Breeding
Department: Crop Improvement, Horticulture & Agricultural Botany (CIHAB)
Educational qualification:

- PhD (Agriculture) in Genetics from Bidhan Chandra Krishi Viswavidyalaya in 2013
- M.Sc (Agriculture) in Genetics and Plant Breeding from Uttar Banga Krishi Viswavidyalaya in 2009
- B.Sc. (Agriculture) Hons. from Uttar Banga Krishi Viswavidyalaya in 2007

Contact address: Department of CIHAB, Palli Siksha Bhavana, Sriniketan, Birbhum, West Bengal
Email ID: sandip22gene@yahoo.co.in
Fax:
Phone no.: Land: Mobile: 9476182361
Research areas: Molecular Markers, Gene Expression, Crop Improvement
Awards and honour:

- University Merit Scholarship during under graduate and post graduate studies
- Qualified Graduate Aptitude Test in Engineering (GATE) in Life Science
- Qualified National Eligibility Test (NET) conducted by ICAR/ASRB in the discipline “Crop Improvement”
- DST, Govt. of INDIA sponsored INSPIRE Fellowship under Assured Opportunity for Research Careers (AORC) scheme for doctoral study

Significant publications (Maximum 10):

1. Debnath S, Satya P and Saha B.C. (2012), Differential response of different stress related biochemicals and reactive oxygen species scavenging enzymes in rice-Xanthomonas interaction. Research on Crops. 13(1): 388-391
2. Sarkar S, Yelne R, Chatterjee M, Das P, Debnath S, Chakraborty A, Mandal N, Bhattacharyya K, Bhattacharyya S (2011), Screening of phosphorus tolerance and validation of Pup 1 linked markers in Indica rice. Indian Journal of Genetics and Plant Breeding. 71: 209-213.

3. Chatterjee M, Sarkar S, Debnath S, Ghosh S, Bhattacharyya S, Sanyal S.K (2011), Genetic analysis of arsenic accumulation in grain and straw of rice using recombinant inbred lines. Oryza. 48(3): 270-273
4. Chatterjee M, Sarkar S, Debnath S, Mukherjee A, Chakraborty A, Bhattacharyya S(2013), Genotypic difference in temporal variation of arsenic accumulation and expression of silicon efflux transporter (LSi2) gene in the field grown rice. Indian Journal of Genetics and Plant Breeding.73 (1):94-97
5. Debnath S, Satya P and Saha B.C. (2013), Pathotype characterization of Xanthomonas oryzae pv oryzae isolates of West Bengal and evaluation of resistance genes of bacterial blight of rice (Oryza sativa L.). Journal of Crop and Weed. 9(1):198-200
6. Satya P and Debnath S (2009), Hybrid rice: a two way solution for food security and economic improvement. International Journal of Agriculture, Environment & Biotechnology. 2(4): 489-491
7. Debnath S and Sadhukhan R (2014), Genetically Modified Crops in Agriculture: An Overview. SATSA Mukhopatra-Annual Tech Issue. 18: 117-125.
8. Saikat S, Debnath S, Ali Md. N. (2014) Genomic profile of the plants with pharmaceutical value. 3 Biotech (open access at Springerlink.com) DOI: 10.1007/s13205-014-0218-9
9. S Debnath and S Guha. 2015. Breeding methods for quality improvement in horticultural crops. In: Value addition of Horticultural crops: Recent trends and future directions. (Eds: A.B Sharangi and S. Dutta) Springer Verlag. ISBN 978-81-322-2261-3
10. Bhattacharyya S, Chatterjee M, Debnath S, Sarkar S, Mukherjee A. 2012. Genetics and physiology of elevated arsenic in grain and straw of rice. Arsenic in Water and Food Chain. pp117-129. DNGM Research Foundation, Kolkata

Teaching/Research/Extension experience

1. Assistant Professor, Department of Genetics and Plant Breeding at Uttar Banga Krishi Viswavidyalaya (9 months)

2. Subject Matter Specialist (Genetics/Plant Breeding) at Ramakrishna Mission Vivekananda University (5 months)

Number of Ph.D students guided: