

CURRICULUM VITAE

Dr. Sangram Keshori Mohanty



Designation: Guest Faculty, Department of Botany

Qualification: Ph.D. Botany

Date of Birth: 7th Jan. 1980

Date of Joining: 01/07/2024

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VIDWAN:

WOS: <https://www.webofscience.com/wos/author/record/KYO-9806-2024>

Area of Interest: Genomics, Molecular biology, Plant Breeding

Courses Taught:

Undergraduate Level: Microbiology, Plant anatomy, Economic Botany, Phycology, Molecular biology, Plant Breeding and Genetics

Career:

Research Associate, ICAR, NRRI (2016-2018)

Assistant Professor, Botany CNCB Academy of Science and Technology (2018-2019)

Assistant Professor, Botany Navajyoti +3 Science College, BBSR (2019-2021)

Assistant Professor, Botany at Regional Institute of Education, (NCERT) BBSR (2021-2024)

Guest Faculty, Rama Devi Women's University, Bhubaneswar, (2021- present):

Teaching Experience:

Undergraduate level: 6 years

Research Experience:

Post doc.: 2 years (NRRI, Cuttack)

Publications

Total publications: 11

Journal publications

1. Barik J, Panda D, **Mohanty SK**, Lenka SK (2019). Leaf photosynthesis and antioxidant response in selected traditional rice landraces of Jeypore tract of Odisha, India to submergence. *Physiol Mol Biol Plants* 25(4):847–863

2. Padhan B , Mukherjee AK, **Mohanty SK**, Lenka SK, Panda D.(2019). Genetic variability and inter species relationship between wild and cultivated yams (*Dioscorea* spp.) from Koraput, India based on molecular and morphological markers. *Physiol Mol Biol Plants* 25(5):1225–1233.
3. Chakraborty K, Chattaopadhyay K, Nayak L, Ray S, Yeasmin L, Jena P, Gupta S, **Mohanty SK**, Swain P, Sarkar RK (2019). Ionic selectivity and coordinated transport of Na⁺ and K⁺ in flag leaves render differential salt tolerance in rice at the reproductive stage. *Planta* (<https://doi.org/10.1007/s00425-019-03253-9>).
4. Panda D, Mishra SS, **Mohanty SK**, Behera PK, Lenka SK (2019). Data on genetic potentiality of folk rice (*Oryza sativa* L.) genotypes from Koraput, India in reference to drought tolerance traits. Data in brief 25.104363
5. **Mohanty SK**, Panda RS, Mohapatra SL, Nanda A, Behera L, Jena M, Sahu RK, Sahu SC, Mohapatra T (2017). Identification of novel quantitative trait loci associated with brown planthopper resistance in the rice landrace Salkathi. *Euphytica*, 213(2): 38-53.
6. Chattopadhyay K, **Mohanty SK**, Marandi BC, Sarkar RK (2017). Main, epistatic and additive environment interaction QTLs of contributing traits for salt tolerance at flowering stage in rice. XIII Agriculture Science Congress for ‘Climate Smart Agriculture , Feb 21-24, UAS Bangaluru, India. (Abstract)
7. **Mohanty SK**, Panda RS, Nanda A, Das G, Behera L, Jena M and Sahu SC (2011). Assessment of genetic diversity of rice brown plant hopper populations using molecular markers. *Oryza*, 48 (1): 347-352.
8. Panda RS, **Mohanty SK**, Behera L, Sasmal S and Sahu SC (2012). Diversity analysis of rice yellow stem borer populations of Orissa using RAPD markers. *Journal of Insect Science*, 25 (4): 373-379.
9. Jena M, **Mohanty SK**, Panda RS, Bose LK, Behera L and Sahu SC (2012). Two Breeding Lines of rice resistant to the rice root-knot nematode. *Nematologia Mediterranea*, 40: 207-208.
10. Nanda A, Kausal L, Jena M, **Mohanty SK**, Panda RS, Behera L, Sahu SC (2011). Host reaction and molecular genotyping to identify pathotype variability in rice root-knot nematode (*Meloidogyne graminicola*) populations. *Oryza*, 48(2): 154-159.
11. Nanda A, **Mohanty SK**, Panda RS, Behera L, Prakash A, Sahu SC (2010). Flanking microsatellite markers for breeding varieties against Asian rice gall midge. *Tropical Plant Biology*, 3(4): 219-226.

Full paper in conference proceedings

1. Chattopadhyay K, Mohanty SK, Marandi BC, Sarkar RK (2017). Main, epistatic and additive environment interaction QTLs of contributing traits for salt tolerance at flowering stage in rice. XIII Agriculture Science Congress for ‘Climate Smart Agriculture , Feb 21-24, UAS Bangaluru, India.
2. **Mohanty SK**, Panda RS, Jena Mayabini, Behera L, Sahu RK and Sahu SC (2012). Genetic Analysis of brown plant hopper resistance in the rice cultivar Salkathi. *Applied Zoologists*

Research Association (AZRA) Abstract no.33.National Conference on Applied Zoological Research for National food security and environmental protection 15-16 February, 2012, CRRI, Cuttack.

3. Panda RS, **Mohanty SK**, Behera L, Sasmal S, Sahu SC (2011). Molecular analysis of rice yellow stem borer populations of Orissa . 3rd congress on insect science “Pest management for food security and environment health” April 18-20, 2011, Punjab Agricultural University, Ludhiana.