

## CURRICULUM VITAE



**Name:** Dr Suchinnata Swapnasarita Sardar

**Designation:** Jr Lecturer (OES)

**Qualification:** M.Sc, NET(UGC-CSIR), Ph.D

**Date of Birth:** 08.07.1979

**Date of joining:** 27.01.2023

**Email:** [sardarsuchinnata@gmail.com](mailto:sardarsuchinnata@gmail.com)

**ORCID:** <https://orcid.org/0000-0002-7255-4577>

**VIDWAN:** <https://vidwan.inflibnet.ac.in/profile/381233>

**WOS:** <https://www.webofscience.com/wos/author/record/IQS-2886-2023>

### Area of interest:

Plant Biotechnology, Biochemistry & Molecular Biology

### Courses Taught:

Cell & Molecular Biology, Genetics & Plant Breeding, Biotech & Genetic Engineering of Plants, Plant Diversity, Biochemistry & Molecular Biology

### Career:

- Assistant Professor, Biotechnology, CBSH, OUAT (UG level)
- Assistant Professor, Botany CBSH, OUAT (UG & PG level)
- Jr Lecturer, Botany (OES) in Dept of Higher Education, Govt of Odisha ,

**Teaching Experience:** 17 years

**Research Experience:** 17 years

- JRF DBT, India 2004 in School of Life Sciences, Sambalpur University
- Teacher Fellow (Ph.D) Dept of Genetics & Plant Breeding, CA, OUAT, BBSR
- Supervisor of M.Sc students for dissertation in CBSH, OUAT, BBSR

### Administrative Experience:

- HOD, Dept of Botany, R D Women's Jr College, BBSR
- Member of Admission committee, Disciplinary committee, Cultural & Dramatic society, Purchase committee, Tabulation Committee etc.

### Awards & Honors:

- Best Teacher Award by OUAT,
- Best poster presentation Award by NASPOM, 2005 & in NSPGB 2016
- Best seminar presentation award (Parijatak Seminar Award) 2001
- Award of outstanding Intelligence (Bright Group of publication, New Delhi) 2003

### Research Guidance:

M.Phil thesis supervised: 01

M.Sc thesis supervised: 06

### Research Grants:

Sl no	Title of the Project	Funding Agency	Amount	Sanction year & duration
1.	Biochemical and Molecular Characterization of Drought Tolerant Indigenous Finger Millet [ <i>Eleusine coracana</i> (L.) Gaertn.] Genotypes from Malkanagiri Hotspot of Odisha	OSHEC, DHE, Odisha	5 lakhs	2022, 2yrs

### Publications:

Journal publication: 07

Book Chapter: 01

### List of Publications (National/ International):

1. Dalai D., **Sardar S.S.** (2021). Tolerance Response of Sunflower (*Helianthus annuus* L.) Cultivar NSSH – 1084 to Water Logging Stress. *International Journal of Current Microbiology and Applied Sciences* 10 (8): 219-233 .ISSN:2319-7706
2. Dalai D., **Sardar S.S.**, Pradhan C. (2019). NaCl Induce Oxidative Stress on Two Different Cultivars of Sunflower (*Helianthus annuus* L.). *International Journal of Current Microbiology and Applied Sciences* 8(8):2607-2619. ISSN:2319-7706
3. Tripathy S.K., **Sardar S.S.**, Das A.B., Rout G.R., Das S., Pal S., Acharya T., Ray B. (2015). RAPD markers for genetic characterization in mungbean (*Vigna radiata* (L.) Wilczek). *Legume Research*. 38(3):279-288 . ISSN:0250-5371 4.

4. Tripathy S.K., **Sardar S.S.**, Lenka D., Rajesh Ranjan & Mishra D.R. (2011). Identification of Germplasm lines for stable morphological marker traits and selection strategy for high productivity in mungbean (*Vigna radiata* L. Wilczek). *Environment and Ecology*: 29 (3A: 1376-1379). ISSN: 0970-0420 6.
5. Tripathy S.K., **Sardar S.S.**, and Mishra P.K., (2010). Analysis of Seed storage protein pattern: A method of studying genetic variation and diversity among *Vigna* genotypes *Indian Journal of Genetics and Plant Breeding*: 70(2) : 140-144. ISSN:0019-5200 7.
6. Tripathy S.K., **Sardar S.S.**, Lenka D., and Sahoo S., (2010) Genetic diversity of mungbean (*Vigna radiata* L. Wilczek) genotypes of based on SDS- PAGE of albumin seed storage protein. *Legume Research* : 33(1) : 54-57. ISSN:0250-5371 8.
7. Tripathy S.K., **Sardar S.S.**, Mishra D.R., and Sahoo S., (2010) Genetic diversity of mungbean (*Vigna radiata* L. Wilczek) genotypes based on SDS-PAGE of globulin seed storage proteins. *Environment and Ecology*: 28 (3A: 1798-1800). ISSN: 0970-0420.

#### List of Book Chapters:

1. Rout G.R., Sardar S.S., Aparajita S. (2011) Microsatellite and its application: a review *Plant tissue culture: Totipotency to Transgenic* : Edited by H.P. Sharma, Agrobios India, Jaipur, Rajasthan, P.223-241. ISBN;978-81-7754-4435.

#### Participation in Conference & Seminars: 16

##### (Invited talk/Oral/Poster Presentations):

1. Sardar S.S (2020) Mitigating Climate Change by Carbon Sequestration- Capacities and Limitations, International Webinar on Climate Change and Sustainability 2020, Narasingh Choudhury Autonomous College, Jajpur, Odisha, India in association with Ekiti State University, Nigeria, 2020
2. Sardar S. S (2020) Role of histone proteins in engineering plant tolerance to abiotic stress, National Conference on Biotechnological approaches towards Crop Improvement, School of Applied Sciences, Centurion University of Technology, Odisha, India, 4 July, 2020
3. **Sardar S.S**, P Priyanka Priyadarshennee (2019) Standardization of *in-vitro* Techniques For Sustainable Production And Conservation Of *Eclipta alba* .National Workshop On Emerging Trends in Life Sciences for Sustainable Development ,R.D. Women's University,BBSR,Odisha.8-9 February,2019.
4. **Sardar S.S** ,Samal P,Rout JR,Jagatee S,Panda S,Sahoo SL (2019) Gas Chromatography and Mass Spectrometry Analysis of Bioactive Compounds from Rhizome of *Maranta arundinacea* L. for Identification of Vibriocidal Compounds .International Conference on Biodiversity and Sustainable Development Strategies for Future N.C. Autonomous college,Jajpur,Odisha. 29-30 January 2019.
5. **Sardar S.S**, Panda S,Rout J R,Samal P,Ranjit M R,Sahoo S L (2019) Anti-malarial and Mosquitocidal Activity of *Artemisia nilagirica* (C.B.Cl) Pamp. 14<sup>th</sup> International

- Conference on Vectors and Vector Borne Diseases. ICMR-RMRC, BBSR. 9-11 January,2019.
6. **Sardar S. S** (2018) Reclamation of Nickel Rich Soil by *Sachharum spontaneum*. National Seminar on Plants for Sustainable Development And Clean Environment & 43<sup>rd</sup> Annual Conference Of Orissa Botanical Society ,Centurion University Of Technology &Management.23-24 December 2018.
  7. **Sadar S. S.** (2017) Evaluation of Nickel Toxicity on Germination, Seedling Growth, Physiological & Biochemical Changes in *Macrotyloma Uniflorum* (Lam)verdc. International conference on Plant Developmental Biology, NISER, BBSR. 12-16 December,2017.
  8. **Sardar S.S,** Samal K.C (2016) Phytochemical Screening for Anti-Bacterial Activities of *Laggera alata* L. National Conference on Bioprospecting in Life Sciences Research For Human Welfare & 41<sup>st</sup> Annual Conference Of Orissa Botanical Society, School of Life Sciences, Sambalpur University, Odisha. 24-26 December,2016.
  9. **Sardar S.S**(2016) Reclamation and Revegetation of Nickeliferrous mines for sustainable Development in Odisha. UGC Sponsored National Level Seminar on Biotechnological Intervention for Abatement of Industrial and Mining Pollution, Dhenkanal Autonomous College, Dhenkanal, Odisha. 10-11 December,2016.
  10. **Sardar S.S,** Priyanka Priyadarshinee (2016) *In Vitro* Micropropagation, Acclimatization and Assesment of Genetic Fidelity Through RAPD Analysis of *Eclipta alba* (L.): An Important Medicinal Plant. National Seminar on Plant Genomics and Biotechnology: Challenges and Opportunities In 21st century, OUAT, BBSR .23-24 January,2016.
  11. **Sardar S. S,** Panda S, Sahoo S. L. (2015) Anti-Bacterial Activity of *Artemisia nilagirica* (C.B.Cl) Pamp. National Seminar on Microbial Technology: Prospects And Applications , OUAT,BBSR. 25-26 December,2015.
  12. **Sardar S.S,**Samal K.C. (2015) Morphological and Phytochemical Characterization of some Important *Curcuma* Species. National Conference on Biodiversity assessment, Monitoring and Conservation: Application of Biotechnological Tools RPRC, BBSR, Odisha. 22-23 February,2015.
  13. **Sardar S.S.,** Dalai D. (2015) Effect of Salinity on Defense Mechanism of Sunflower (*Helianthus annuus* L.). 39<sup>th</sup> Annual Conference of Orissa Botanical Society. RPRC, BBSR, Odisha.22-23 February,2015.
  14. Rout J.R.,**Sardar S.S.,**Sahoo S.S.(2012) Reactive Oxygen Scavenging Enzymes in *Withania somnifera* L. under Zinc Stress. International Conference on Biotechnology advances, SOA University, BBSR.20-22 December,2012.
  15. **Sardar S.S** (2012) Effect of Ni on Nodule Formation of *Macrotyloma uniflorum*. National Seminar on Utilization of Microbes for Sustainable development, OUAT, BBSR, Odisha. 14-15 December,2012
  16. **Sardar S.S.,** Mohapatra P.K., Patro L., and Biswal B. (2005) Photosynthetic changes during leaf senescence of *Arabidopsis thaliana*. XVII National Symposium of Indian Photo Biology Society: School of Life Sciences, Sambalpur University, Odisha.19-21 February,2005.

#### Other Information(s):

### *Academic Relevant Information*

- Paper setter and paper evaluator of UG & PG courses in OUAT, Bhubaneswar & Ranchi University, Ranchi
- Invited Resource Person for online classes by OSEPA, Govt of Odisha
- Member of societies like OBS, IPBS, SBB, ISGPB, OGCTA etc

### *Selections in various organizations*

- Recommended by **OPSC** for **Odisha Education Service** (Group-II) under Higher Education Department in 2016.
- Recommended for appointment as **ad hoc Junior Lecturer, & ad hoc Senior Lecturer** Botany by Selection Committee of Directorate of Higher education under Department of Higher Education, Odisha in 2014.
- Selected as **Assistant Professor, Botany** in the College of Basic Science and Humanities, OUAT through Standing Selection Committee in 2009.
- Selected as **Assistant Professor, Biotechnology** in the College of Basic Science and Humanities, OUAT in the year 2006.

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