


### Staff Details

Title	<b>Sardar</b>	FirstName	<b>Suchinnata</b>	LastName	<b>Swapnasarita</b>	Photograph
Designation	lecturer					
Department	Botany					
PhoneNumber(Office)	8144149523					
Email	sardarsuchinnata@gmail.com					
<b>Educational Qualifications</b>						
Subject	Institution	Year	Details			
<b>Ph. D, Botany</b>	P G Dept of Botany, Utkal University	2012	Title: "Morphological and Molecular Characterisation, and Germplasm evaluation in mungbean, (Vigna radiata L.Wilczek)."			
<b>M.Sc, Botany</b>	P G Dept of Botany, Utkal University	2001	Botany (spl- Biochemistry)			
<b>NET, Life Science</b>	UGC-CSIR	2001,2003	Life Science			
<b>Professional Experiences</b>						
Organisation /Institution	Designation	Duration	Role			
Dept of Botany, Dept of Higher education, Govt of Odisha	Lecturer, Botany	10.06.2016 to till date	Academic, Administrative			
Dept. of Botany CBSH, OUAT	Asst.Prof, Botany	09.07.2009 to 09.06.2016	Academic, Administrative			
Dept. of Biotech CBSH, OUAT	Asst.Prof, Biotech	10.04.2006 to 09.07.2009	Academic, Administrative			

Teaching Experience (Subjects/Courses Taught)
<b>20 yrs</b> , Genetics, Plant breeding, Mol. biol, Bio-tech, Bio-chem, Plant diversity
Honors & Awards
1. Best Teacher Award (OUAT)
Publications
<ol style="list-style-type: none"> <li>1. <b>Sardar SS*</b>, Suman S, Barik S, Tripathy S (2025) Nutritional Perspective of Untapped Indigenous Finger Millet [Eleusine Coracana (L.) Gaertn.] Accessions in Millet Hotspot of Eastern Ghats, India. African Journal of Agriculture and Food Science (AJAFS). 8 (2):116-138. ISSN: 2689-5331 DOI: <a href="https://doi.org/10.52589/AJAFS-EHGJGEIO">10.52589/AJAFS-EHGJGEIO</a></li> <li>2. <b>Sardar SS*</b>, Priyadarsini P, Suman S (2024) Micro-propagation and Appraisal of Hereditary Constancy through RAPD Analysis of Eclipta alba: A Significant Curative Plant Species. Asian Journal of Biotechnology and Bioresource Technology 10(4): 1-11. ISSN: 2457-0125. <a href="https://doi.org/10.9734/ajb2t/2024/v10i4213">https://doi.org/10.9734/ajb2t/2024/v10i4213</a>.</li> <li>3. <b>Sardar SS*</b>, Dalei D (2021) Tolerance Response of Sunflower (<i>Helianthus annuus</i> L.) Cultivar NSSH-1084 to Water Logging Stress. Int.J.Curr.Microbiol.App.Sci. 10(08): 219-233 ISSN: 2319-7706. <a href="https://doi.org/10.20546/ijemas.2021.1008.026">https://doi.org/10.20546/ijemas.2021.1008.026</a></li> <li>4. <b>Sardar SS*</b>, Dalei D, Pradhan C (2019) NaCl Induce Oxidative Stress on Two Different Cultivars of Sunflower (<i>Helianthus annuus</i> L.). Int.J.Curr.Microbiol.App.Sci 8(8): 2607-2619 ISSN: 2319-7706. <a href="https://doi.org/10.20546/ijemas.2019.808.303">https://doi.org/10.20546/ijemas.2019.808.303</a></li> <li>5. Tripathy S.K., <b>Sardar SS</b>, Das AB, Rout GR., Das S, Pal S, Acharya T, Ray B (2014). .Rapid markers for genetic characterization in mungbean (<i>Vigna radiata</i> (L.) Wilczek). Legume Research. 38 (3): 279-288. ISSN:0250-5371. DOI: <a href="https://doi.org/10.5958/0976-0571.2015.00023.5">10.5958/0976-0571.2015.00023.5</a></li> <li>6. Tripathy S.K., <b>Sardar SS.</b>, Lenka D., Rajesh Ranjan &amp; Mishra D.R. (2011). Identification of Germplasm lines for stable morphological marker traits and selection strategy for high productivity in mungbean (<i>Vigna radiata</i> L. Wilczek). Environment and Ecology: 29 (3A): 1376-1379. ISSN: 0970-0420</li> <li>7. Tripathy S.K., <b>Sardar SS.</b>, and Mishra P.K., (2010). Analysis of Seed storage protein pattern : A method of studying genetic variation and diversity among <i>Vigna</i> genotypes Indian Journal of Genetics and Plant Breeding: 70(2) : 140-144. ISSN:0019-5200</li> <li>8. Tripathy S.K., <b>Sardar SS.</b>, Lenka D., and Sahoo S., (2010) Genetic diversity of mungbean (<i>Vigna radiata</i> L. Wilczek) genotypes of based on SDS- PAGE of albumin seed storage protein. Legume Research: 33(1) : 54-57. ISSN:0250-5371</li> <li>9. Tripathy S.K., <b>Sardar SS.</b>, Mishra D.R., and Sahoo S., (2010) Genetic diversity of mungbean (<i>Vigna radiata</i> L. Wilczek) genotypes based on SDS-PAGE of globulin seed storage proteins. Environment and Ecology: 28 (3A: 1798-1800). ISSN: 0970-0420</li> <li>10. <b>Sardar SS.</b>, Mohapatra P.K., Patro L., and Biswal B. (2005) Photosynthetic changes during leaf senescence of <i>Arabidopsis thaliana</i>. Indian Photo Biology Society Newsletter-2005 P- 30 Regd no-</li> </ol>

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**Full paper in Conference Proceedings:**

1. **Sardar SS**, Mohapatra PK., Biswal UC., and Biswal B (2005). Photosynthetic decline as a signal for expression of senescence associated genes in green leaves. XVII National Symposium of Indian Photo Biology Society. School of Life Sciences, Sambalpur University, Odisha.19-21 February,2005. IPS Newsletter: pg no 53-58.
2. **Sardar SS** (2016) Reclamation and Revegetation of Nickeliferous mines for sustainable Development in Odisha. UGC Sponsored National Level Seminar on Biotechnological Intervention for Abatement of Industrial and Mining Pollution, P G Department of Botany, Dhenkanal Autonomous College, Dhenkanal, Odisha. 10-11 December,2016. Seminar proceedings: pg no 58-61

**Book Chapters:**

1. **Sardar SS\***, Sudha Suman, Pattnaik S, Biswal A K (2025) Bioremediation as a Greener Solution for Marine Plastic Pollution: Microbiome Approach Towards Efficient Marine Ecosystem Restoration: Edited by Dr A.P Das; Elsevier
2. **Sardar SS\***, Nayak SS, Biswal AK (2025) Evaluating the Environmental Footprint of E-Waste Recycling Methods: Recovery & Recycling of Critical Metals from Electronic Waste for Environmental Sustainability: Edited by Dr A.P Das; Springer Nature
3. 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.
4. **Sardar SS**, Khilar AK, Upadhyay RC (2022) Practical Botany: V K Publication, New Delhi. (Full Book) ISBN:978-93-5612-0358

PublicService/UniversityService/CollegeService/ConsultingActivity/College Committee members

- ✓ Presiding Officer (Election Duty), General Election - 2024 for Parliamentary and Assembly Constitution, Election Commission of India (24-25 May 2024)
- ✓ HOD, Dept. of Botany, Rama Devi Women's University, Bhubaneswar (July 2023 -December 2024)
- ✓ OIC, ECO Club, Rama Devi Women's University, Bhubaneswar (July 2023 -June 2025)
- ✓ Coordinator, Department of Botany, Rama Devi Women's University, Bhubaneswar (October 2024-December 2024).
- ✓ Member, Board of Studies for Botany, EVS & DM, Rama Devi Women's University, Bhubaneswar for the session 2024-25, 2025-26 and a special BOS for NEP - 2020 implementation for 2024-25
- ✓ Member, PG Council, Rama Devi Women's University, Bhubaneswar (July 2023 -October 2024)
- ✓ Member, Science Society, Rama Devi Women's University, Bhubaneswar (July 2023-December 2024)
- ✓ H.O.D, Dept. of Botany, R. D. Women's Junior College, Bhubaneswar (September 2017- January 2023)
- ✓ Assistant/Deputy Hostel Superintendent, Aseema Hostel for visually challenged and disabled girls' students, R D Women's University Campus (2018-2020)
- ✓ H.O.D, Dept. of Botany, Dhenkanal Junior College, Dhenkanal, Odisha, India (July,2016-September,2017)

ProfessionalSocietiesMemberships

<ul style="list-style-type: none"> <li>✓ Member of Odisha Bigyan Academy</li> <li>✓ Member of Odisha Government College Teacher Association (OGCTA) -2016</li> <li>✓ Life member of Society of Biotechnology and Bioinformatics -2016</li> <li>✓ Life member of Odisha Botanical Society -2011.</li> <li>✓ Member of Indian Society of Genetics and Plant Breeding – 2010</li> <li>✓ Member of Indian Photo Biological Society - 2005.</li> <li>✓ Member of Teacher’s Association, OUAT-2010-2015</li> <li>✓ Member of Indian Science Congress</li> </ul>					
Projects( MajorGrants/Collaborations)					
Sl No	Title of the project	Funding Agency	Amount	Sanction year & Duration	
	<b>Biochemical and Molecular Characterization of Drought Tolerant Indigenous Finger Millet [<i>Eleusine coracana</i> (L.) Gaertn.] Genotypes from Malkanagiri Hotspot of Odisha</b>	Odisha State Higher Education Council, Dept of Higher Education, Odisha, India	Rs 4,97,000/-	2022 (Two Years) Completed	
	<b>Isolation, Identification and Characterization of Seed Endophytic Bacteria in Indigenous Little Millets of Odisha towards Sustainable Agriculture</b>	Odisha State Higher Education Council, Dept of Higher Education, Odisha, India	Rs 8,58,000/-	Approved	
Other Details if any					
<ul style="list-style-type: none"> <li>✓ Recommended for appointment as <b>ad hoc Junior Lecturer</b>, Botany by Selection Committee of Directorate of Higher Education under Department of Higher Education, Odisha in 2014.</li> <li>✓ Recommended for appointment as <b>ad hoc Senior Lecturer</b>, Botany by Selection Committee of Directorate of Higher Education under Department of Higher Education, Odisha in 2014.</li> <li>✓ Selected as <b>Assistant Professor, Botany</b> in the College of Basic Science and Humanities, OUAT through Standing Selection Committee in 2009.</li> <li>✓ Selected as <b>Assistant Professor, Biotechnology</b> in the College of Basic Science and Humanities, OUAT in the year 2006.</li> <li>✓ Selected as <b>JRF in DBT</b>, India sponsored project in the School of Life science, Sambalpur university, Jyoti Vihar, Sambalpur.</li> <li>✓ Appointed as Botany Hons paper evaluator (BOC (T)-2037) of +3 2<sup>nd</sup> year ,3<sup>rd</sup> semester by Orissa University of Agriculture &amp; Technology for the year 2016,2017,2018.</li> <li>✓ Appointed as evaluator of M.Sc. (Sem-IV) exam 2016 for the paper Bot-402 (C,D) &amp; Bot-403 (C,D) by Ranchi University, Ranchi,Jharkhand.</li> <li>✓ Appointed as <b>paper setter</b> for annual <b>M.Sc. (Sem-IV)</b> exam 2014-16 by <b>Ranchi University</b>, Ranchi, Jharkhanda.</li> <li>✓ Appointed as <b>paper setter</b> for annual <b>M.Phil .(Sem-I)</b> exam 2016 by <b>Ranchi university</b>, Ranchi, Jharkhanda.</li> </ul>					