

## FACULTY PROFILE

Title	Dr.	First Name	SUBHASWARAJ	Last Name	PATTNAIK	Photograph	
Department	ZOOLOGY, Assistant Professor in Zoology (OES-I)-College Branch						
Address	AT- Bhima Bhoi Nagar; PO- Budharaja Sambalpur, Odisha, 768004						
Mobile	+91-8763777859						
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<b>Education</b>							
Subject	Institution		Year	Details			
Post-Doctoral (National Post-Doctoral Fellow)	Department of Biotechnology and Bioinformatics, Sambalpur University		2022-23	<b>Project Title:</b> “Development of Plants-based Natural Products from the Gandhamardan Hills, Odisha for Inhibition of Biofilm Producing and Efflux Pump Mediated Drug-Resistant Bacteria: Bioactive-guided Fractionation and Mechanistic Study”			
Ph.D.	Department of Microbiology, School of Life Sciences, Pondicherry University		2021	<b>Thesis Title:</b> “Deciphering the Anti-Infective Potential of Bioactive Metabolites of <i>Diaporthe phaseolorum</i> SSP12 and <i>Aspergillus ochraceopetaliformis</i> SSP13 in Down-Regulation of Quorum Sensing Regulatory Network in <i>Pseudomonas aeruginosa</i> PAO1”			
M.Phil.	School of Life Sciences, Sambalpur University		2015	<b>Dissertation Title:</b> “Assessment of Radioprotective Potential of Ethanolic Leaf and Stem Extract of <i>Bryophyllum pinnatum</i> against Gamma Radiation Induced Hepatotoxicity in Swiss Albino Rats”			
M.Sc.	School of Life Sciences, Sambalpur University		2013	<b>Dissertation Title:</b> “Studies on Anti-mitotic Activity of <i>Nostoc sp.</i> in <i>Allium sativum</i> ”			
B.Sc.	Gangadhar Meher (Autonomous) College, Sambalpur University		2011	Hons.: ZOOLOGY Pass.: BOTANY Major Elective: BIOTECHNOLOGY			
+2 (I.Sc.)	Gangadhar Meher Junior College, Sambalpur		2008	PCBM (Physics, Chemistry, Biology, Mathematics)			
Matriculation (10 <sup>th</sup> Board)	S.A.I.I.E&R, Sambalpur		2006	FLO, SLE, TLS, MTA, MTG, SCP, SCL, SSG, SSH			
<b>Career Profile</b>							
Organization/ Institution	Designation			Duration	Role		
Govt. Women's College, Sambalpur	Assistant Professor in Zoology (OES-I), College Branch			11 <sup>th</sup> January 2024 onwards	TEACHING		
Department of Biotechnology and Bioinformatics, Sambalpur University	Post-Doctoral Research Fellow (N-PDF)			01 <sup>ST</sup> January, 2022 to 31 <sup>ST</sup> December, 2023	RESEARCH		

Department of Microbiology, School of Life Sciences, Pondicherry University	Ph.D Research Scholar (SRF)	27 <sup>TH</sup> August 2015 to 22 <sup>ND</sup> January, 2021	RESEARCH
Govt. Women's College, Sambalpur	Guest Faculty in Zoology	08 <sup>th</sup> September 2014 to 31 <sup>st</sup> January 2015	TEACHING
Bhima Bhoi College, Rairhakhol, Sambalpur	Guest Faculty in Zoology	12 <sup>th</sup> August 2013 to 07 <sup>th</sup> February, 2014	TEACHING

#### **Research/ Interests/ Specialization**

- Natural Products in Drug Discovery and Development
- Microbial Drug Discovery, Quorum Sensing and Biofilm Dynamics
- Antimicrobial and Anti-Infective Therapies
- Drug Repurposing targeting Microbial infections
- Nanotherapeutics and Drug Delivery System
- Understanding the Molecular Mechanisms Involved in Microbial Infections in Hosts

#### **Teaching Experience (Subjects/ Courses Taught)**

- Have experience in teaching different aspects of Zoology in Undergraduate (U.G) and Post-Graduate (P.G) courses;
- **UG Courses taught:**
  - I. Core II: Principles of Ecology
  - II. Core III: Non-Chordates II: Coelomates
  - III. Core IV: Cell Biology
  - IV. Core VIII: Comparative Anatomy of Vertebrates
  - V. Core IX: Physiology: Life-Sustaining Systems
  - VI. Core X: Biochemistry of Metabolic Processes
  - VII. Core XIV: Evolutionary Biology
  - VIII. DSE III: Wildlife Conservation and Management
  - IX. GE II: Food, Nutrition and Health
  - X. GE IV: Cell and Molecular Biology
- **PG Courses taught:**
  - I. ZOOL 411: Animal Diversity
  - II. ZOOL 413: Inheritance Biology
  - III. ZOOL 421: Biophysical Chemistry
  - IV. ZOOL 422: Enzyme Technology and Microbiology
  - V. ZOOL 423: Molecular Biology
  - VI. ZOOL 424: Animal Physiology and Endocrinology
  - VII. ZOOL 511: Immunology
  - VIII. ZOOL 513: Bioinstrumentation
  - IX. ZOOL 521: Genetic Engineering
  - X. ZOOL 522: Ecology and Conservation Biology

Honors & Awards				
1. Selected for <b>Assistant Professor in Zoology (Stage I), College Branch</b> in Govt. Degree Colleges in Odisha conducted by Odisha Public Service Commission (OPSC) and secured <b>Rank 1</b> .				
2. Selected for <b>DST-SERB National Post-Doctoral Fellowship (NPDF)</b> program to pursue Post-Doctorate research work from 1 <sup>st</sup> January 2022.				
3. Selected for coveted Council of Scientific and Industrial Research (CSIR)-Senior Research Fellowship ( <b>CSIR- SRF</b> ) in <b>January 2019</b> .				
4. Qualified <b>CSIR-UGC NET (LS), June-2018</b> with <b>AIR 27</b> .				
5. Qualified for <b>GATE-2013</b> examination in March 2013 with a GATE SCORE OF 373 with an <b>AIR 562</b> .				
<b>Publications: Articles</b>				
S. No.	Articles	Publisher	Year	ISSN/ISBN
1.	Cheruvanachari P, <b>Pattnaik S</b> , Mishra M, Pragyandipta P, Pattnaik A, Naik PK. <b>2023</b> . Deciphering the antibiofilm potential of 2-Phenylethyl methyl ether (PEME), a bioactive compound of Kewda essential oil against <i>Staphylococcus aureus</i> . <i>Microbial Pathogenesis</i> . 179:106093. <a href="https://doi.org/10.1016/j.micpath.2023.106093">https://doi.org/10.1016/j.micpath.2023.106093</a>	ELSEVIER	2023	eISSN:1096-1208
2.	Cheruvanachari P, Mishra M, <b>Pattnaik S</b> , Naik PK. <b>2023</b> . Determination of antibacterial and anti-biofilm potential of Kewda essential oil against <i>Staphylococcus aureus</i> and <i>Klebsiella pneumoniae</i> . <i>Biologia</i> . 78: 2253-2260. <a href="https://doi.org/10.1007/s11756-023-01360-3">https://doi.org/10.1007/s11756-023-01360-3</a>	SPRINGER NATURE	2023	eISSN:1336-9563
3.	Anju VT, Busi S, Imchen M, Kumavath R, Mohan MS, Salim SA, <b>Subhaswaraj P</b> , Dyavaiah M. <b>2022</b> . Polymicrobial biofilms: Clinical significance and eradication strategies. <i>Antibiotics</i> . 11(12):1731. <a href="https://doi.org/10.3390/antibiotics11121731">https://doi.org/10.3390/antibiotics11121731</a>	MDPI	2022	eISSN:2079-6382
4.	Imchen M, Anju VT, Busi S, Mohan MS, <b>Subhaswaraj P</b> , Dyavaiah M, Kumavath R. <b>2022</b> . Metagenomic insights into taxonomic, functional diversity and inhibitors of microbial biofilms. <i>Microbiological Research</i> . 265:127207. <a href="https://doi.org/10.1016/j.micres.2022.127207">https://doi.org/10.1016/j.micres.2022.127207</a>	ELSEVIER	2022	eISSN:1618-0623
5.	<b>Pattnaik S</b> , Imchen M, Kumavath R, Prasad R, Busi S. <b>2022</b> . Bioactive microbial metabolites in Cancer therapeutics: Mining, Repurposing, and their molecular targets. <i>Current Microbiology</i> . 79(10):300. <a href="https://doi.org/10.1007/s00284-022-02990-7">https://doi.org/10.1007/s00284-022-02990-7</a>	SPRINGER NATURE	2022	eISSN:1432-0991
6.	Jit BP, <b>Pattnaik S</b> , Arya R, Dash R, Sahoo SS, Pradhan B, Bhuyan PP, Behera PK, Jena M, Sharma A, Agrawal PK, Behera RK. <b>2022</b> . Phytochemicals: A potential next-generation agent for radioprotection. <i>Phytomedicine</i> . 106:154188. <a href="https://doi.org/10.1016/j.phymed.2022.154188">https://doi.org/10.1016/j.phymed.2022.154188</a>	ELSEVIER	2022	eISSN:1618-095X
7.	Pala R, <b>Pattnaik S</b> , Busi S, Nauli SM. <b>2021</b> . Nanomaterials as novel cardiovascular theranostics. <i>Pharmaceutics</i> . 13:348. <a href="https://doi.org/10.3390/pharmaceutics13030348">https://doi.org/10.3390/pharmaceutics13030348</a>	MDPI	2021	eISSN:1999-4923
8.	Ahmed T, <b>Pattnaik S</b> , Khan MB, Ampasala DR, Busi S, Sarma VV. <b>2020</b> . Inhibition of quorum sensing associated virulence factors and biofilm formation in <i>Pseudomonas aeruginosa</i> PAO1 by <i>Mycoleptodiscus indicus</i> PUTY1.	SPRINGER NATURE	2020	eISSN:1678-4405

	<i>Brazilian Journal of Microbiology.</i> 51:467-487. <a href="https://doi.org/10.1007/s42770-020-00235">https://doi.org/10.1007/s42770-020-00235</a>			
9.	<b>Subhaswaraj P</b> , Syed A, Siddhardha B. <b>2020</b> . Novel nanotherapeutics as next-generation anti-infective agents: Current trends and future prospectives. <i>Current Drug Discovery Technologies.</i> 17:455-467. <a href="https://doi.org/10.2174/157016381666190715120708">https://doi.org/10.2174/157016381666190715120708</a>	BENTHAM SCIENCE	2020	eISSN:1875-6220
10.	Jalli N, Santhi Sri KV, Hnamte S, <b>Pattnaik S</b> , Paramananthan P, Siddhardha B. <b>2019</b> . Antioxidant, anti-quorum sensing, and anti-biofilm potential of ethanolic leaf extract of <i>Phrynum capitatum</i> and <i>Dryptes indica</i> . <i>Asian Pacific Journal of Tropical Biomedicine.</i> 9(8):323-332. <a href="https://doi.org/10.4103/2221-1691.262082">https://doi.org/10.4103/2221-1691.262082</a>	Wolters Kluwer	2019	eISSN:2588-9222
11.	<b>Pattnaik S</b> , Barik S, Muralitharan G, Busi S. <b>2018</b> . Ferulic acid encapsulated chitosan tripolyphosphate nanoparticles attenuate quorum sensing regulated virulence and biofilm formation in <i>Pseudomonas aeruginosa</i> PAO1. <i>IET Nanobiotechnology.</i> 12(8):1056-1061. <a href="https://doi.org/10.1049/iet-nbt.2018.5114">https://doi.org/10.1049/iet-nbt.2018.5114</a>	WILEY	2018	eISSN:1751-875X
12.	<b>Subhaswaraj P</b> , Barik S, Macha C, Chiranjeevi PV, Siddhardha B. <b>2018</b> . Anti quorum sensing and anti biofilm efficacy of cinnamaldehyde encapsulated chitosan nanoparticles against <i>Pseudomonas aeruginosa</i> PAO1. <i>LWT Food Science and Technology.</i> 97:752-759. <a href="https://doi.org/10.1016/j.lwt.2018.08.011">https://doi.org/10.1016/j.lwt.2018.08.011</a>	ELSEVIER	2018	eISSN:1096-1127
13.	<b>Pattnaik S</b> , Hnamte S, Sudharshan SJ, Dyavaiah M, Busi S. <b>2018</b> . Determination of antioxidant potential of selected wild edible mushrooms from India in a <i>Saccharomyces cerevisiae</i> model system. <i>International Journal of Medicinal Mushroom.</i> 20(6):569-580. <a href="https://doi.org/10.1615/IntJMedMushrooms.2018026531">https://doi.org/10.1615/IntJMedMushrooms.2018026531</a>	BEGELL HOUSE	2018	eISSN:1940-4344
14.	Pala R, Zeng Y, <b>Pattnaik S</b> , Busi S, Alomari N, Nauli SM, Liu G. <b>2018</b> . Functionalized Silver Nanoparticles for Sensing, Molecular Imaging, and Therapeutic Applications. <i>Current Nanomedicine.</i> 8:1-17. <a href="https://doi.org/10.2174/2468187308666180508144919">https://doi.org/10.2174/2468187308666180508144919</a>	BENTHAM SCIENCE	2018	eISSN:2468-1881
15.	<b>Pattnaik S</b> , Ranganathan S, Ampasala DR, Ahmed T, Sarma VV, Busi S. <b>2018</b> . <i>Aspergillus ochraceopetaliformis</i> SSP13 modulates quorum sensing associated virulence and biofilm formation in <i>Pseudomonas aeruginosa</i> PAO1. <i>Biofouling.</i> 34(4):410-425. <a href="https://doi.org/10.1080/08927014.2018.1460748">https://doi.org/10.1080/08927014.2018.1460748</a>	TAYLOR & FRANCIS	2018	eISSN:1029-2454
16.	<b>Pattnaik SS</b> , Ranganathan S, Ampasala DR, Syed A, Ameen F, Busi S. <b>2018</b> . Attenuation of quorum sensing regulated virulence and biofilm development in <i>Pseudomonas aeruginosa</i> PAO1 by <i>Diaporthe phaseolorum</i> SSP12. <i>Microbial Pathogenesis.</i> 118:177-189. <a href="https://doi.org/10.1016/j.micpath.2018.03.031">https://doi.org/10.1016/j.micpath.2018.03.031</a>	ELSEVIER	2018	eISSN:1096-1208

17.	<b>Subhaswaraj P</b> , Sowmya M, Jobina R, Sudharshan SJ, Dyavaiah M, Siddhardha B. <b>2017</b> . Determination of antioxidant potential of <i>Acacia nilotica</i> leaf extract in oxidative stress response system of <i>Saccharomyces cerevisiae</i> . <i>Journal of the Science of Food and Agriculture</i> . 97:5247-5253. <a href="https://doi.org/10.1002/jsfa.9366">https://doi.org/10.1002/jsfa.9366</a>	WILEY	2018	eISSN:1097-0010
18.	<b>Subhaswaraj P</b> , Sowmya M, Bhavana V, Dyavaiah M, Siddhardha B. <b>2017</b> . Determination of antioxidant activity of <i>Hibiscus sabdariffa</i> and <i>Croton caudatus</i> in <i>Saccharomyces cerevisiae</i> model system. <i>Journal of Food Science and Technology</i> . 54(9): 2728-2736. <a href="https://doi.org/10.1007/s13197-017-2709-2">https://doi.org/10.1007/s13197-017-2709-2</a>	SPRINGER NATURE	2018	eISSN:0975-8402
19.	Anil Kumar V, Ammani K, Jobina R, <b>Subhaswaraj P</b> , Siddhardha B. <b>2017</b> . Photo-induced and phytomediated synthesis of silver nanoparticles using <i>Derris trifoliata</i> leaf extract and its larvicidal activity against <i>Aedes aegypti</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> . 171: 1-8. <a href="https://doi.org/10.1016/j.jphotobiol.2017.04.022">https://doi.org/10.1016/j.jphotobiol.2017.04.022</a>	ELSEVIER	2017	eISSN:1873-2682
20.	<b>Pattnaik S</b> , Rajkumari J, Paramanandham P, Busi S. <b>2017</b> . Indole Acetic Acid Production and Growth-Promoting Activity of <i>Methylobacterium extorquens</i> MP <sub>1</sub> and <i>Methylobacterium zatmanii</i> MS <sub>4</sub> in Tomato. <i>International Journal of Vegetable Science</i> . 23(4):321-330. <a href="https://doi.org/10.1080/19315260.2017.1283381">https://doi.org/10.1080/19315260.2017.1283381</a>	TAYLOR & FRANCIS	2017	eISSN:1931-5279

#### Publications: Book Chapter

S. No.	Articles	Publisher	Year	ISSN/ISBN
1.	<b>Pattnaik S</b> , Mishra M, Naik PK. <b>2024</b> . Computational approaches for the inhibition of ESKAPE pathogens. In: ESKAPE Pathogens virulence factors and biofilm components: Synthesis, Structure, Function and Inhibitors. Busi S., and Prasad R. (Eds.). pp.. Springer Nature. pp. 503-544. <a href="https://doi.org/10.1007/978-981-99-8799-3_19">https://doi.org/10.1007/978-981-99-8799-3_19</a>	SPRINGER NATURE	2024	978-981-99-8801-3
2.	<b>Pattnaik S</b> , Mishra M, Naik PK. <b>2024</b> . Phytochemicals as potential antibacterial agents against ESKAPE pathogens. In: ESKAPE Pathogens virulence factors and biofilm components: Synthesis, Structure, Function and Inhibitors. Busi S., and Prasad R. (Eds.). pp. Springer Nature. pp. 379-419. <a href="https://doi.org/10.1007/978-981-99-8799-3_14">https://doi.org/10.1007/978-981-99-8799-3_14</a>	SPRINGER NATURE	2024	978-981-99-8801-3
3.	<b>Pattnaik S</b> , Mishra M, Naik PK. <b>2023</b> . Alternative strategies for combating antibiotic resistance in microorganisms. In: Antimicrobial Photodynamic Therapy: Concepts and Applications. Busi S., and Prasad R. (Eds.). pp. 65-109. <a href="https://doi.org/10.1201/9781003345299-5">https://doi.org/10.1201/9781003345299-5</a>	CRC PRESS	2023	978-100-33-4529-9
4.	<b>Pattnaik S</b> , Mishra M, Singh H, Naik PK. <b>2023</b> . Novel perspectives on phytochemicals-based approaches for mitigation of biofilms in ESKAPE pathogens: Recent trends	ELSEVIER	2023	978-0-443-19143-5

	and future avenues. In: Recent Frontiers of Phytochemicals: Applications in Food, Pharmacy, Cosmetics and Biotechnology. Pati S. et al., (Eds.). pp. 433-454. <a href="https://doi.org/10.1016/B978-0-443-19143-5.00005-0">https://doi.org/10.1016/B978-0-443-19143-5.00005-0</a>			
5.	Mishra M, <b>Pattnaik S</b> , Singh H, Naik PK. <b>2023</b> . Exploring the role of Mahua as a functional food and its future perspectives. In: Recent Frontiers of Phytochemicals: Applications in Food, Pharmacy, Cosmetics and Biotechnology. Pati S. et al., (Eds.). pp. 109-121. <a href="https://doi.org/10.1016/B978-0-443-19143-5.00030-X">https://doi.org/10.1016/B978-0-443-19143-5.00030-X</a>	ELSEVIER	2023	978-0-443-19143-5
6.	<b>Subhaswaraj P</b> , Siddhardha B. <b>2022</b> . Molecular docking and molecular dynamic simulation approaches for drug development and repurposing of drugs for severe acute respiratory syndrome-Coronavirus-2. In: Computational Approaches for Novel Therapeutic and Diagnostic Designing to Mitigate SARS-CoV-2 Infection. Parihar A. et al., (Eds.). pp. 207-246. <a href="https://doi.org/10.1016/B978-0-323-91172-6.00007-8">https://doi.org/10.1016/B978-0-323-91172-6.00007-8</a>	ELSEVIER	2022	978-0-323-99800-0
7.	<b>Pattnaik S</b> , Siddhardha B. <b>2021</b> . Next generation OMICS: a tool to understand the diversity of soil microbiota and improvement of agricultural sustainability. In: Microbes in Land Use Change Management. Singh JS. et al., (Eds.). pp. 221-238. <a href="https://doi.org/10.1016/B978-0-12-824448-7.00013-9">https://doi.org/10.1016/B978-0-12-824448-7.00013-9</a>	ELSEVIER	2021	978-0-323-85894-6
8.	<b>Pattnaik SS</b> , Paramanathan P, Busi S. <b>2020</b> . Agricultural importance of phyllosphere microbiome: Recent trends and future perspectives. In: The Plant Microbiome in Sustainable Agriculture. Srivastava AK. et al., (Eds.). pp. 119-140. <a href="https://doi.org/10.1002/9781119505457.ch7">https://doi.org/10.1002/9781119505457.ch7</a>	WILEY	2020	978-1-119-50544-0
9.	<b>Subhaswaraj P</b> , Siddhardha B. <b>2020</b> . Nanoemulsions for antimicrobial and anti-biofilm applications. In: Nanostructures for Antimicrobial and Antibiofilm Applications. Prasad R. (Eds.). pp. 347-373. <a href="https://doi.org/10.1007/978-3-030-40337-9_15">https://doi.org/10.1007/978-3-030-40337-9_15</a>	SPRINGER NATURE	2020	978-3-030-40337-9
10.	<b>Pattnaik S</b> , Syed A, Siddhardha B. <b>2020</b> . Pathogenesis, virulence factors and antibiotic resistance of Group B <i>Streptococcus</i> . In: Model Organisms for Microbial Pathogenesis, Biofilm Formation and Antimicrobial Drug Discovery. Siddhardha B. (Eds.). pp. 117-130. <a href="https://doi.org/10.1007/978-981-15-1695-5_8">https://doi.org/10.1007/978-981-15-1695-5_8</a>	SPRINGER NATURE	2020	978-981-15-1697-9
11.	<b>Pattnaik S</b> , Kaviyarasu K, Siddhardha B. <b>2020</b> . Drosophila model to decipher the toxicity of nanoparticles. In: Model Organisms to Study Biological Activities and Toxicity of Nanoparticles. Siddhardha B. (Eds.). pp. 417-437. <a href="https://doi.org/10.1007/978-981-15-1702-0_20">https://doi.org/10.1007/978-981-15-1702-0_20</a>	SPRINGER NATURE	2020	978-981-15-1704-4
12.	<b>Pattnaik S</b> , Siddhardha B. <b>2020</b> . Understanding the biological activities of nanoparticles using murine models. In: Model Organisms to Study Biological Activities and Toxicity of Nanoparticles. Siddhardha B. (Eds.). pp. 217-241. <a href="https://doi.org/10.1007/978-981-15-1702-0_11">https://doi.org/10.1007/978-981-15-1702-0_11</a>	SPRINGER NATURE	2020	978-981-15-1704-4
13.	<b>Pattnaik SS</b> , Busi S. <b>2019</b> . Rhizospheric fungi: Diversity and biotechnological applications. In: Recent Advancement in White Biotechnology Through Fungi, Fungal Biology. Yadav	SPRINGER NATURE	2019	978-3-030-10480-1

	AN. (Eds.). pp. 63-84. <a href="https://doi.org/10.1007/978-3-030-10480-1_2">https://doi.org/10.1007/978-3-030-10480-1_2</a>			
14.	<b>Pattnaik S, Busi S. 2018.</b> Fungal-derived chitosan-based nanocomposites: A sustainable approach for heavy metal biosorption and environmental management. In: Mycoremediation and Environmental Sustainability, Fungal Biology. Ram Prasad (Eds.). pp. 325-349. <a href="https://doi.org/10.1007/978-3-319-77386-5_13">https://doi.org/10.1007/978-3-319-77386-5_13</a>	SPRINGER NATURE	2018	978-3-319-68957-9
15.	<b>Pattnaik S, Paramananthan P, Busi S. 2018.</b> Entomopathogenic fungi-mediated biocontrol mechanisms against mosquito vectors: Recent trends and future perspectives. In: Microbial control of Vector-Borne Diseases. Tyagi BK and Dhanasekaran D. (Eds.). pp. 37-60. <a href="https://doi.org/10.1201/b22203">https://doi.org/10.1201/b22203</a>	CRC PRESS	2018	978-1-138-05581-0

#### Conference/ Presentations

Title of Paper	Event	Year
Presented Poster entitled “Deciphering the Ethnomedicinal Potential of <i>Cordia macleoidii</i> Hook. Bark from Gandhamardan: An <i>in vitro</i> and <i>in vivo</i> Perspective”	Odisha Research Conclave (ORC-2023), Sambalpur University	14 <sup>th</sup> -16 <sup>th</sup> November, 2023
Presented Poster entitled “ <i>Cordia macleoidii</i> from the Gandhamardan, Odisha: New Perspective as Promising Anti-Biofilm Agent against ESKAPE Pathogens”	Odisha Research Conclave (ORC-2022), Ravenshaw University	14 <sup>th</sup> -16 <sup>th</sup> November, 2022
Presented Poster entitled “Understanding the Anti-infective Potential of Fungal-derived Metabolites in combating <i>Pseudomonas aeruginosa</i> PAO1 Virulence: An <i>in vitro</i> and <i>in silico</i> approach”	Discussion Meeting on Conflict and Cooperation in Cellular Populations (CCCP 2020)	03 <sup>rd</sup> -05 <sup>th</sup> February, 2020
Presented Poster entitled “Ferulic acid encapsulated chitosan-tripolyphosphate nanoparticles attenuate Quorum Sensing Regulated Virulence and Biofilm Formation in <i>Pseudomonas aeruginosa</i> PAO1”	International Conference on Microbial Pathogenesis and New Frontiers, CSIR-IMTECH, Chandigarh	23 <sup>rd</sup> -25 <sup>th</sup> March, 2019

#### Public Service/ University Service/ Consulting Activity/ College Committee members

1. Member of the IQAC Committee, Govt. Women's College, Sambalpur.

#### Professional Societies Memberships

1. Life Member of the British Society for Antimicrobial Chemotherapy (Membership Number: P0002977)
2. Life Member of the Association of Microbiologists of India (AMI)

#### Projects(Major Grants/ Collaborations)

1. Received a Major Research Grant of Rs. 20,25,600/- from SERB, Department of Science and Technology (DST), Govt. of India for the fulfillment of National Post-Doctoral Fellowship (N-PDF) in the year 2021.

#### Other Details

#### OTHER ACHIEVEMENTS

1. Submitted Microorganisms under NCBI GenBank Submission with Accession No. KX925280.1, KX925279.1, KX925278.1, KX944237.1, KU705864.1, KU705863.1, KU705862.1, KU705861.1, KU705860.1,