

## DETAILS OF FACULTY- 05

**Name:** Dr. Sushri Priyadarshini Panda

**Mail id:** ripipanda@gmail.com

**Mobile Number:** 8249545671

**Department:** Botany

**College:** Derabis College

**Designation:** Lecturer (SSB)



**Educational Qualification:** M.Sc., M.Phil., Ph.D.

Examination	Discipline	Institute	Board/University	Year of passing	Division/Percentage of Mark obtained
Ph.D	Life Sciences	School of Life Sciences	Sambalpur University	2021	Awarded on 10.8.2021
M.Phil.	Life Sciences	School of Life Sciences	Sambalpur University	2013	First (84%)
M.sc.	Life Sciences (Botany)	School of Life Sciences	Sambalpur University	2012	First (74%)
B.Sc.	(Botany Honours)	GM college (Auto), Sambalpur	Sambalpur University	2010	First class Honours with distinction (Aggregate 67.61% and 74% in Honours)
Intermediate	Science(PCB M)	Govt. Womens College, Sambalpur	CHSE, Odisha	2007	First (60%)
Matriculation	All compulsory subjects	Govt. Girls' High School, Binka	BSE, Odisha	2005	First (82%)

## **AWARDS AND RECOGNITION**

1. Award of **Biju Patnaik Research fellowship** from Department of Science and Technology, Govt. Of Odisha for pursuing Doctoral Research on July, 2016.
2. **Prof AB Dash Award** for the year 2011 from Alumni association, School of Life Sciences, Sambalpur University for securing highest mark in Biochemistry paper of M. Sc. Life Sciences Examination-2011
3. **Best poster presenter** on 2 day National conference on Current Research Trends in Biotechnology, Bioinformatics and Intellectual Property Management 2020, Department of Biotechnology and Bioinformatics, Sambalpur University, Jyoti Vihar, Burla. March 3-4, 2020

## **SPECIAL TRAINING RECEIVED**

- Received training on Bioinformatics and analysis of Next Generation Sequencing data by ICAR-National Bureau of Fish Genetic Resources (**ICARNBFGR**), Lucknow.
- Genomics for microbial diversity and Taxonomy by National Institute of Technology (NIT) Rourkela.
- Tools used in Research methodology by Sambalpur University, Art of Academic writing and Publication skills by Gangadhar Meher University, Sambalpur.
- Conversant with molecular biology techniques like PCR, Isolation and Characterization of chromosomal and Plasmid DNA, PCR, Tools used in diagnostic microbiology, Screening for biofilm formation and characterization of extracellular molecules associated with biofilm production as well as gene expression during biofilm production, molecular docking and drug interaction studies.

## **WORKING EXPERIENCE**

1. Working as Lecturer in Botany from Dt.23.07.2013 to 26.08.2016 at Siddhartha Higher Secondary School, Binka, Subarnapur.
2. Working as Junior Research Fellow (BPRF) from DT. 01.07. 2016 to 31.7.2018 at, Labrotory of Medical Microbiology, Department of Biotechnology and Bioinformatics, Sambalpur University.
3. Working as Senior Research Fellow (BPRF) from DT. 31.7.2018 to 1.07. 2019 at Labrotory of Medical Microbiology, School of Life Sciences, Sambalpur University
4. Working as Assistant professor (Guest faculty) from August 3, 2019 to March 10,2020 at School of Botany, Gangadhar Meher University, Sambalpur.

## **SPECIAL TRAINING RECEIVED**

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## **AREA OF RESEARCH INTEREST**

- Medical Microbiology, Biofilm and Biofilm associated molecules and gene expression in Biofilm forming clinical isolates.

## **CONFERENCE S**

1. **Sushri Priyadarshini Panda** and Smaranika Pattnaik Presented a Paper entitled Role of quorum sensing on drug resistance among MDR nosocomial bacterial strains on 54th Annual Conference of Association of Microbiologists of India & International Symposium on “Frontier Discoveries and innovations in Microbiology and its interdisciplinary relevance” organized by Dept of Microbiology, MDU, Rohtak , Nov 17 -20 ,2013
2. **Sushri Priyadarshini Panda** and Smaranika Pattnaik, Presented a Paper entitled Screening for biofilm formation in MDR bacterial strains isolated from urinary tract infection on 57th Annual Conference of AMI & International Symposium On “Microbes and Biosphere: What’s New and What’s Next,Guwahati University, Nov 24 -27,2016
3. **Sushri Priyadarshini Panda** presented a paper entitled The future of sustainable diet with pulses International Conference on Climate Change and Sustainable Development, organized by PG Department of Geography and PG Department of Botany, GMU in Collaboration with Odisha State Open University, Sambalpur on Mar 18 -19,2017
4. **Sushri Priyadarshini Panda** and Smaranika Pattnaik Presented a Paper entitled Screening for biofilm formation in nosocomial bacterial strains on National Seminar On Environmental Sustainability & Industrial Growth organized by P.G. Department of Zoology, Gangadhar Meher University, Sambalpur on Mar2-3,2017
- 5 **Sushri Priyadarshini Panda** and Smaranika Pattnaik present eda paper entitled **Screening for antibiofilm activity of orange oil against *Klebsiella pneumonia* (BMK1-3) on National Seminar on ‘Science and Technology for environmental security’** On the occasion of the 19th Odisha Bigyan ‘O’ Paribesh Congress organised by KIIT University,Bhubaneswar on Nov 25- 26,2017
6. **Sushri Priyadarshini Panda** Presented a paper on**The Role of Pulses in Sustainable and Healthy Food Systems on the National Seminar On Reaching The Unreached Through Science And Technology** organised by KIIT University,Bhubaneswar on Dec 17-18,2017
7. **Sushri Priyadarshini Panda** and Smaranika Pattnaik Presented a Paper entitled **Biofilm formation and antibiotic suseptibility profile in bacterial strains isolated from the patient infected with uti** on Biospectrum -2018 ,2nd international conference on Biotechnology & Biological sciences organised by University of Engineering & Management, Kolkata on July 27-28,2018
8. **Sushri Priyadarshini Panda** and Smaranika Pattnaik Presented a Paper entitled **Growth**

**curve analysis of biofilm producing *Klebsiella pneumoniae* (BMK-1) isolated from the patient infected with UTI** National Seminar on ‘Science for society’ On the occasion of the 20th Odisha Bigyan ‘O’ Paribesh Congress 2018, November 17-18, 2018.

9. **Sushri Privadarshini Panda** and Smaranika Pattnaik Present eda Paper entitled **Effect of Environentl factor on Biofilm Production of the bacterial strains isolated from the patient with Nosocomial Infection on** International conference on Bioprocess for Sustainable Environment and Energy 2018 NIT, Rourkela. December 6-7, 2018

10 **Sushri Privadarshini Panda** and Smaranika Pattnaik Presented a Paper entitled **Biofilm Production: An Adaptation To Adverse Environmental Condition In BME2** on 2 day National conference on Current Research Trends in Biotechnology, Bioinformatics and Intellactual Property Management 2020, Department of Biotechnology and Bioinformatics, Sambalpur University , Jyoti Vihar, Burla. March 3-4, 2020

11 **Sushri Privadarshini Panda** and Smaranika Pattnaik Present eda Paper entitled **Detection of fimH gene in MDR biofilm forming *Escherichia coli* from a patient with UTI on** International conference on Bioprocess for Sustainable Environment and Energy 2020 NIT, Rourkela. March 5-7, 2020

## **WORKSHOP AND TRAINING**

1. “Work shop on Use of Technology in Research”, organized by Research scholars, Sambalpur University on 22-24<sup>th</sup> March, 2014 (3 days).

2. Short-term Hands-on Training Course on “Bioinformatics in Next Generation Sequencing Data Analysis”, organized by ICAR-National Bureau of Fish Genetic Resources (NBFGR), Lucknow 2<sup>nd</sup>-11<sup>th</sup> August, 2016 (12 days)

3. National Workshop on Genomics for Microbial Diversity and Taxonomy (GEMTAX-2019) held from 21-25 january, 2019 at the National Institute of Technology, Rourkela, Odisha, India (5 days)

## **PUBLICATIONS**

1. **Panda Sushri Privadarshini** and Pattnaik Smaranika., (2020) Effect of Environmental Factors on Biofilm Production of the bacterial strains isolated from the patient with Nosocomial

Infection, **Research Journal of Biotechnology**, E-ISSN: 2278-4535 Print ISSN: 0973-6263

2. As Book Chapter:

**Sushri Priyadarshini Panda** and Smaranika Pattnaik ., (2020) Detection of fimH gene in MDR biofilm forming *Escherichia coli* from a patient with UTI, **ISBN Number: 818553107-2, Elite publication, Bhubaneswar.**

3. As Book Chapter:

**Sushri Priyadarshini Panda** and Smaranika Pattnaik., (2020) Biofilm production: an adaptation to adverse environmental Condition in BME, **ISBN number: -978-93-5097-973-0, Himalaya publication, Bhubaneswer.**

4. As Book Chapter:

**Sushri Priyadarshini Panda** and Smaranika Pattnaik ., (2021) Biofilm Formation And Antibiotic Susceptibility Profile Among Bacterial Strains Detected In Urinary Tract Infected Patient" Contemporary medical biotechnology research for human health, Chapter 3, **ISBN Number: 9780323918367, Elsevier publication.**

5. As Book Chapter:

**Sushri Priyadarshini Panda** and Smaranika Pattnaik ., (2018) Effect of Environmental Factors on Biofilm Production of the bacterial strains isolated from the patient with Nosocomial Infection, **ISBN Number: 818552135-0, Elite publications, Bhubaneswar**

6. As book Chapter:

**Sushri Priyadarshini Panda** and Smaranika Pattnaik ., (2017) Screening for Antibiofilm Activity of Orange oil against *Klebsiella pneumonia* (BMK1-3), **ISBN Number: 978-81- 924480-8-4, Odisha Environmental Society, Bhubaneswar.**

**Orientation Program: 01**

## **PERSONAL DETAILS**

<b>Name:</b>	Sushri Priyadarshini Panda
<b>Father's Name:</b>	Ashok Kumar Panda
<b>Mother's Name:</b>	Anupama Panda
<b>Sex:</b>	Female
<b>Date of Birth:</b>	15-03-1990
<b>Nationality:</b>	Indian
<b>Permanent Address:</b>	At/Po-Binka, Dist-Sonepur, Odisha

**Course and Subject taught:** +2, U.G, P.G

**Area of Interest (Academic):** Teaching, Cultural Activities, Art

**Area of Interest (Non-Academic):** Paintings, Singing, Spiritual knowledge