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ACADEMIC DEGREES:

- **PhD (Life Science)**- Institute of Life Sciences (ILS), Utkal University, Bhubaneswar (2010)
- **MSc (Microbiology)**- Orissa University of Agriculture and Technology, Bhubaneswar (2003)

TEACHING & RESEARCH EXPERIENCE: 10 Years

- **Assistant Professor**, Department of Bioscience and Bioinformatics, Berhampur University, Berhampur (**Oct 2021**- till date)
- **Assistant Professor**, Department of Bioscience and Bioinformatics Khallikote University, Berhampur (**May 2018 - Sep 2021**)
- **Assistant Professor**, Department of Genetic Engineering, SRM Institute of Science and Technology, Chennai (**Aug 2016 - May 2018**)
- **Research Associate**, Laboratory of Bacterial Genetics, Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad (**Dec 2015 - Aug 2016**)
- **Research Associate**, Centre for Cellular and Molecular Biology (CCMB), Hyderabad (**Apr 2015 - Oct 2015**)
- **Postdoctoral Fellow**, Institut de Recherche Interdisciplinaire, CNRS USR 3078, Villeneuve d'Ascq, France (**Mar 2012 - Sep 2014**)
- **Postdoctoral Fellow**, Department of Microbiology, Immunology, and Molecular Genetics, University of Kansas Medical Center, Kansas City, USA (**Sep 2009 - Jan 2012**)

ACADEMIC HONOURS AND AWARDS:

- CSIR- Junior Research Fellowship (JRF)- 2003
- Travel grant for the 55th Wind River conference on prokaryotic biology, Colorado, USA- 2011
- EMBO Travel grant for Workshop on Stalked alpha-Proteobacteria and relatives: From genes to structure, Marburg, Germany- 2014

HIGHLIGHTS OF PROFESSIONAL EXPERIENCE:

❖ SUPERVISORY TEACHING:

- PhD Students- **02** (Ongoing)
- MSc Students: **09**

❖ RESEARCH GRANTS (as PI):

- "Investigation into the role of bacterial two-component signaling systems in the development of resistance to polymyxins, the last resort antibiotics" funded by SERB, Govt. of India. Duration (2020-2022). Sanctioned Amount- Rs. 30.39 lakhs.
- "Genetic mechanisms of polymyxin resistance mediated via bacterial two-component signal transduction systems" funded by the OSHEC, Govt. of Odisha under the OURIP-2019 scheme. Duration (2020-2022). Sanctioned Amount- Rs. 4.72 lakhs.

❖ RESEARCH PUBLICATIONS:

(Total Citations: 466; h-index: 11; i10-index: 11)

- In Peer-reviewed, Indexed and Reputed Journals: **19**
- Book Chapter Published: **03**

RESEARCH INTERESTS:

- Role of bacterial signaling modules (two-component signal transduction systems) in the development and emergence of antimicrobial resistance.
- Involvement of bacterial DNA methyltransferases in the regulation of cell cycle.

SELECTED RECENT PUBLICATIONS:

- **Mohapatra SS, Dwibedy SK & Padhy I (2021).** Polymyxins, the last-resort antibiotics: Mode of action, resistance emergence, and potential solutions. *Journal of Biosciences*; **46(3)**: 1-18. DOI:10.1007/s12038-021-00209-8. **(JIF- 1.82)**
- **Mohapatra SS, Fioravanti A, Vandame P, Spriet C, Pini F, Bompard C, Blossey R, Valette O & Biondi EG (2020).** Methylation-dependent transcriptional regulation of crescentin gene (*creS*) by GcrA in *Caulobacter crescentus*. *Molecular Microbiology*; **114(1)**: 127-139. DOI:10.1111/mmi.14500. **(JIF- 3.5)**
- Khara P, **Mohapatra SS & Indranil Biswas (2018).** Role of CovR phosphorylation in gene transcription in *Streptococcus mutans*. *Microbiology*; **164**: 704–715. DOI: 10.1099/mic.0.000641. **(JIF- 2.77)**
- Shankar M, **Mohapatra SS, Biswas S & Biswas I (2015).** Gene regulation by the LiaSR two-component system in *Streptococcus mutans*. *PLoS ONE*; **10(5)**: e0128083. DOI: 10.1371/journal.pone.0128083. **(JIF- 3.24)**
- **Mohapatra SS, Fioravanti A & Biondi EG (2014).** DNA Methylation in *Caulobacter* and other *Alphaproteobacteria* during cell cycle progression. *Trends in Microbiology*; **22(9)**: 528-535. DOI: 10.1016/j.tim.2014.05.003. **(JIF- 17.07)**