



Dr. Tilothama Bhotra

Designation: Assistant Professor

Qualification: M.Sc, PhD

Date of Birth: 19.11.1983

Date of Joining: 12.06.2018

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VIDWAN: <https://vidwan.inflibnet.ac.in/profile/324934>

WOS: [http://www.webofscience.com/wos/author/record/\[S-8885-2019\]](http://www.webofscience.com/wos/author/record/[S-8885-2019])

Area of Interest

Microbial genomics, Antibiotic resistance, Bacterial biofilms

Courses taught

Microbiology, Immunology, Genetics, Bioinformatics

Career

- Assistant Professor, Department of Biotechnology, Rama Devi Women's University, Bhubaneswar (2018-present)
- Lecturer (SSB), Department of Zoology, Berhampur City College, Berhampur (Jan 2017 - June 2018)

Teaching Experience

- 7 years

Research Experience

- 6 years

Administrative/Executive Experience

- OIC, Fellowship, Rama Devi Women's University, Bhubaneswar (2022-present)
- Internal Member, Board of Studies, Dept. of Biotech, Rama Devi Women's University, Bhubaneswar (June 2018- till date)

- Assistant Superintendent Annapurna Hostel, Rama Devi Women's University, Bhubaneswar (2018-2022)

Awards & Honors (including travel support award)

- DBT-BET Fellowship (2009)

Research Guidance

- ✓ PhD thesis supervised : -
- ✓ M Tech/M.Phil thesis supervised : **02 (Two)**
- ✓ M.Sc thesis supervised : **32 (Thirty two)**

Research Grants (All research grants including seed funds)

S. No	Title of the project	Funding Agency	Amount	Sanction year & duration
1.	A novel approach towards staphylococcal biofilm using synergism of lysostaphin conjugated silver nanoparticles from <i>Annona muricata</i> L. for biomedical applications	OSHEC, Odisha	4.72 Lakhs	June 2021-23 (Two years)

Publications

Journal publications

1. Sahoo M, Jena PK, Mahapatra S and **Bhotra T 2023**. Comparative Analysis of Nutritional and Antimicrobial Activity of *Curcuma angustifolia* (Roxb.) and *Maranta arundinacea* (L.). Biological Forum – An International Journal, 15(3): 576-582.
2. **Bhotra T**, Das MM, Pal BB, Singh DV. **2016**. Genomic profile of antibiotic resistant, classical *ctxB* positive *Vibrio cholerae* O1 Biotype El Tor isolated in 2003 and 2005 from Puri, India: a retrospective study. Indian Journal of Medical Microbiology 2016 Oct-Dec;34(4):462-470. doi: 10.4103/0255-0857.195356.
3. **Bhotra T**, Singh DV. **2016**. Whole-genome sequence of *Vibrio alginolyticus* isolated from the mucus of the coral *Fungia danai* in the Andaman Sea, India. Genome Announcements 4(3), e00339-16. PMID:[27151803](https://pubmed.ncbi.nlm.nih.gov/27151803/); Online ISSN: 2169-8287.

4. Das MM, **Bhotra T**, Zala D, Singh DV. **2016**. Phenotypic and genetic characteristics of *Vibrio cholerae* O1 carrying Haitian *ctxB* and attributes of classical and El Tor biotypes isolated from Silvassa, India. *Journal of Medical Microbiology*. **65**, 720-728. doi: 10.1099/jmm.0.000282. PMID:27255911.
5. Panda S, J Esther, **T Bhotra**, N Pradhan, L B Sukla, B K Mishra, A Akcil. **2015**. Sequential bioreduction–bioleaching and bioreduction–chemical leaching hybrid tests for enhanced copper recovery from a concentrator ball mill reject sample. *Hydrometallurgy* 157, 171–177.
6. Mohapatra SS, Mantri CK, **Bhotra T**, Singh DV. **2015**. Characteristics of *Vibrio cholerae* O1 isolated from water of the River Ganga, Varanasi, India. *Indian Journal of Medical Microbiology*. **33(4)**, 507-15.

Book/book chapter Publications (entire list of books/book chapters)

Singh, D. V., Bhotra, T. **Cholera Disease**. Reference module in Biomedical Sciences. Elsevier. 18-Oct-2014 doi: 10.1016/B978-0-12-801238-3.00142-2.