

**DR. SUNIL KUMAR BEHERA, M.Sc., Ph.D.**

**Assistant Professor**

Department of Biotechnology  
Berhampur University, Bhanja Bihar  
Berhampur-760001, Odisha  
Contact No: +919090876719;  
E-mail: skbehera2020@gmail.com



**ACADEMIC DEGREES:**

- Ph.D. in Biotechnology: CSIR-Institute of Minerals & Materials Technology, Bhubaneswar (Utkal University, Bhubaneswar), India, 2013
- M.Sc. in Biotechnology: P.G. Dept. of Biotechnology, Utkal University, Bhubaneswar, India, 2008

**TEACHING & RESEARCH EXPERIENCE: 08 Years**

- Assistant Professor at Department of Bioscience & Bioinformatics Berhampur University, Berhampur (01 Year)
- Assistant Professor at Department of Bioscience & Bioinformatics Khallikote University, Berhampur (03 Years)
- Post-Doctoral Research: University of Johannesburg, South Africa (3 Years).
- Post-Doctoral Research: University of Witwatersrand, South Africa (1 Year).

**ACADEMIC HONOURS AND AWARDS:**

- Selected for Natural Sciences and Engineering Research Council of Canada CREATE, Mine of Knowledge Scholarship, 2018
- Post-Doctoral Research fellowship: University of Johannesburg, South Africa, 2014-17
- Post-Doctoral Research fellowship: University of Witwatersrand, South Africa, 2017-18
- Qualified CSIR-NET (Dec., 2007) for Junior Research Fellowship in Life Sciences, India
- Qualified GATE-2008 (88.32 Percentile) in Life sciences, India
- Post graduate Fellowship: Department of Biotechnology, New Delhi India, 2006-08
- Reviewer of various journals of international repute

**HIGHLIGHTS OF PROFESSIONAL EXPERIENCE:**

❖ **SUPERVISORY TEACHING:**

- Ph.D. students supervised: **01** continuing

❖ **RESEARCH GRANTS:**

- Currently supervising a research project funded by Science and Technology Department, Govt. of Odisha

❖ **RESEARCH PUBLICATIONS:**

**(Total Citations: 365; h-index: 10; i10-index: 11)**

- In Peer-reviewed, Indexed and Reputed Journals: **16**
- Book Chapter Published: **07**

## RESEARCH INTERESTS:

- Development of Bioprocess Technology for desulfurization of coal and petrochemicals
- Development of microbial metabolites as green reagents for mineral processing industries
- Mineral Biotechnology

## RECENT PUBLICATIONS:

- P. G. Rout, A. K. Mohanty, N. Pradhan, S. K. Biswal, S K. Behera, Study on the Reaction Mechanism of Oxidative Microbial Desulfurization of Organic Sulfur-Rich Coal, Geomicrobiology Journal, (2021) <https://doi.org/10.1080/01490451.2021.1967523>; IF- 2.308
- S. K. Behera, M. Manjaiaha, S. Sekar, S.K. Panda, M. Vuyo, A. F. Mulaba-Bafubiandi. Optimization of microbial leaching of base metals from a South African sulphidic nickel ore concentrate by *Acidithiobacillus ferrooxidans*. Geomicrobiology Journal, (2018), 35, 447-459. ISSN NO: 0149-0451, IF- 2.308
- S. K. Behera and A. F. Mulaba-Bafubiandi. Microbes assisted mineral flotation a future prospective for mineral processing industries: A Review. Mineral Processing and Extractive Metallurgy Review, (2017), 38 (2), 96-105, ISSN NO: 1547-7410, IF- 5.284
- S. K. Panda, S. K. Behera, X. W. Qaku, S. Sekar, D. T. Ndinteh, H. M. Nanjundaswamy, R.C. Ray, E. Kayitesi. Quality enhancement of prickly pears (*Opuntia Sp.*) juice through probiotic fermentation using *Lactobacillus fermentum* ATCC 9338. LWT-Food Science and Technology, (2017) 75, 453-459, ISSN NO: 0023-6438, IF- 4.952
- S. K. Behera & A. F. Mulaba-Bafubiandi. Advances in microbial leaching processes for nickel extraction from lateritic minerals - A review. Korean Journal of Chemical Engineering, (2015) 32 (8), 1447-1454, ISSN NO: 1975-7220, IF- 3.309