

## **Dr. Sairendri Maharana**

## **Curriculum Vitae**

*W/o: A. Venugopal  
Flat No: 210  
Golden Heights Apartments  
Indira Gandhi chowk  
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### ***CARRIER OBJECTIVE:***

- Elementary Lecturer willing to apply my 12 years of research experience, teaching experience and curriculum development skills to support student growth and success.

### ***ACADEMIC QUALIFICATIONS:***

2020 **Ph.D**

In Botany,  
Berhampur University  
(Details below)

2012 **M.Phil**

In Botany,  
Berhampur University  
(Details below)

2011 **Masters**

P.G Dept. Of Botany  
Berhampur University, Odisha  
passed M.Sc (Botany)  
in 1<sup>st</sup> class with distinction  
Securing 80.23%.

2009 **Graduation** Mahamayee Mahila  
Mahavidyala, Berhampur,  
Berhampur University, Odisha  
passed in 1<sup>st</sup> class (B.Sc) honours.  
(Botany) with Distinction  
securing 71.33%.

2006 **Higher Secondary** Mahamayee Mahila  
Mahavidhyala.  
CHSE- Bhubaneswar, Orissa  
passed with 1<sup>st</sup> Division in  
Science (PCB) securing  
51.8%.

2003 **Matriculation** G.S.T.S for Women, Berhampur  
passed with 1<sup>st</sup> Division  
Securing 64.80%

***Ph.D :***

- In Botany. Thesis entitled: “Studies on Microalgae of Chilika lagoon for exploration of biodiesel production, Dept. of Botany, Berhampur University (Odisha) under the joint guidance of Prof. Malay Kumar Mishra and Asst. Prof. Mrutyunjaya Jena.  
Reg. no: 46/2012(UGC-2009 Guidelines in Biotechnology)  
Awarded: 07.03.2020.

***M. Phil :***

- In Botany. Thesis entitled: Ecological studies of an Agricultural based Village Ecosystem “A case study in Basudevpur, Ganjam, Odisha. Dept. Of Botany, Berhampur University (Odisha) under the guidance of Prof. Malay Kumar Mishra. Awarded: December 2012.

***SKILLS IN:***

- Algal taxonomy, Lipid studies, Plant Biodiversity and competent in most of modern wet lab scientific equipments/instruments.

***EXPERIENCE:*** (5years of Research and 7 years in Teaching)

- Inspire Fellowship, DST, New Delhi
- Have undertaken teaching and practical demonstration at Post graduate level at Department of Botany, Berhampur University as per UGC fellowship guidelines.
- Gold medallist in Botany (M. Sc) 2011
- Gold Medallist in Faculty of Science 2012
- Orientation programme (UGC, HRDC, Sambalpur University) 31.01.2018-27.02.2018.
- Jr. Lecturer in Botany, Panchayat College Bargarh, June 2016 to Novenmer 2023
- Lecturer in Botany, Govenment College Koraput from December 1<sup>st</sup> 2023 onwards.

***LIST OF PUBICATIONS:***

1. **Maharana, S.**, Jena, M. and Misra, M.K. (2019). Seasonal Variation of Physico-chemical Parameters of Chilika Lagoon, East Coast of India. *Indian Journal of Ecology* 46 (3): 643-647
2. **Maharana, S.**, Pradhan, B., Jena, M. and Misra, M.K., (2019). Diversity of Phytoplankton in Chilika Lagoon, Odisha, India. *Environment and Ecology* 37 (3): 737-746.
3. Pradhan, B., Jit, B. P., **Maharana, S.**, Ramchandani, S., And Jena, M.(2022). Bio-Nano Interface and its potential application In Alzheimer's Disease: *Bio-Nano interface: Applications in food, Health care and Sustainability*, 209-224.
4. Pradhan, B., Patra, S., **Maharana, S.**, Behera, C., Dash S.R., & Jena M. (2021) Demarcating antioxidant response against aluminium induced oxidative stress in

Westiollopsis prolifica Janet 1941. *International Journal of Phytoremediation*, 23(3), 238-251.

5. Pradhan, B., **Maharana, S.**, Bhakta, S., & Jena, M.(2021) Marine phytoplankton diversity of Odisha coast, India with special reference to new record of diatoms and dinoflagellates. *Vegetos*. 1-15.
6. Pradhan, B., Patra S., Dash S. R., **Maharana. S.**, Behera. C., Jena. M. (2020) Antioxidant responses against aluminium metal stresss in Geitlernima amphibium. *SN Applied Sciences* 2, 1-8.

### ***ABSTRACTS OF PAPERS PRESENTED IN CONFERENCES :***

1. International Conference on “Chemical & biological Sciences in Drug Discovery” organized by P.G. Department of Chemistry, Berhampur University, Odisha, from 8-10<sup>th</sup> March, 2019.
2. National Conference on “Biodiversity, Biotechnology and Bioinformatics: Innovative and Emerging Trends-2019 (NCBBBIET-2019) at P.G. Department of Botany, Berhampur University, from 22-23<sup>rd</sup> February, 2019 (Poster Presentation).
3. Participated International Conference on “Recent Trends of Chemical & Biological Science in Medicine, Natural product and drug Discovery (IC\_RTCBSMNPDD-2017) organized by P.G. Department of Chemistry, Berhampur University, Bhanja Bihar, Odisha from 3<sup>rd</sup> to 5<sup>th</sup> March, 2017 (Poster Presentation).
4. UGC–sponsored Seminar “Environmental Protection: Concerns and Avenues” organized by the stream of sciences, Aska Science College, Aska (Ganjam), Odisha on 28<sup>th</sup> February, 2017 (Poster Presentation).
5. National Conference on “Frontiers in Algology and Algal Biotechnology”, organized by Department of Biotechnology, Visva-Bharati (A central University), Santiniketan, West Bengal, from 15<sup>th</sup>-17<sup>th</sup>, November, 2013 (Poster Presentation).

## ***REFERENCES:***

1. Dr. Mrutyunjay Jena, Assistant Professor, Phycology labrotary, P.G. Dept. Of Botany, Berhampur University, Berhampur-760007. Dist: Ganjam. Mobile No: +91-7978478950. Email: [mrutyunjay.jena@gmail.com](mailto:mrutyunjay.jena@gmail.com).
2. Prof. Malay Kumar Misra, Systematic and Floristics Lboratory, P.G Dept. Of Botany Berhampur University, Berhampur-760007. Dist: Ganjam. Mobile No: +919937374225. Email: [malayamisra.botany@gmail.com](mailto:malayamisra.botany@gmail.com).

## ***GENERAL:***

D.O.B : 7<sup>th</sup> JULY 1988  
Place of birth : Berhampur, Odisha, India  
Citizenship : Indian  
Gender : Female  
Martial Status : Married  
IT Skills : Competent using all modern IT applications.  
Languages : English, Odiya & Hindi  
Declaration : I hereby declare that all statements furnished in this C.V are true to the best of my knowledge and belief.

Place: Koraput

Dr. Sairendri Maharana