

## Curriculum vitae

**Name:** Dr. GOBINDA BAL

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### Personnel Information

**Date of birth** : 10.04.1991  
**Gender** : Male  
**Permanent Address** : At/Po- Sarguli, DNK  
Police Station- Raighar  
District: Nabarangpur  
Odisha- 764074  
**Nationality** : Indian  
**Religion** : Hindu  
**Category** : SC  
**Marital Status** : Married

### EDUCATIONAL QUALIFICATIONS

Examination Passed	Board/Institution/ University	Subject	Year of Passing
UGC NET	UGC	Environmental Science	2015
Ph. D	Central University of Orissa, Koraput	Biodiversity & Conservation of Natural Resources	2019
M. Phil	Central University of Orissa, Koraput	Biodiversity & Conservation of Natural Resources	2015
Master's Degree	Central University of Orissa, Koraput	Biodiversity & Conservation of Natural Resources	2013
Master's Degree	Dr. B.R. Ambedkar Open University, Hyderabad	Zoology	2023
Bachelor's Degree	Vikram Deb Autonomous College, Jeypore	Zoology (Hones), Bot, Che, Math, EVS, ISC, Eng, MIL (Alt. Eng.)	2011
SSE (+2)	C.B.S.E, New Delhi	Phy, Che, Math, Bio., Eng.	2008
HSC (10 <sup>th</sup> )	C.B.S.E, New Delhi	Math, Sci, S. Sc, Eng., Oriya	2006

## **EXTRA QUALIFICATION & EXPERIENCES**

1. **2020-2021:** Lecturer in Botany at Shastriji Women's College, Bhawanipatna Odisha.
2. **2021-2022:** Guest Faculty at Ravenshaw University, Cuttack.
3. **Computer education:** Post Graduate Diploma in Computer Application (PGDCA)
4. **Software Skill:** SPSS 14.0, SigmaPlot 14.0, PAST Software, Handling of GPS and Fundamental of Arc GIS

## **PUBLICATIONS**

### **I. Research papers in ISSN Journals**

1. Banerjee, K., Chakraborty, S., Paul, R. **Bal, G.**, Zaman, S., Pramanick, P., Amin, G., Fazli, P. and Mitra, A. (2015). Macrobenthic Molluscan Diversity in the Major Intertidal Zones of the Maritime States of India. *Journal of Environmental Science and Pollution Research*, 1(1): 8-11. ISSN: 2455-0272.
2. Banerjee, B., **Bal, G.** and Moharana, KC. (2015). Monitoring the mangrove Forest Cover Change of Bhitarkanika National Park using GIS and Remote Sensing Technique. *International Journal of Engineering Research and Technology (IJERT)*, (Spl. Issue), 4(3): 28–33. ISSN: 0974-3154.
3. Banerjee, K., **Bal, G.**, Pal, N., Amin, G. and Mitra, A. (2017). Carbon Sequestration by Mangrove Vegetation: A Case Study from Odisha Bhitarkanika Wildlife Sanctuary (BWLS). *Parana Journal of Science and Education*, 3(4): 1–9. ISSN: 2447-6153.
4. Agarwal, S., Banerjee, K., Pal, N., Mallik, K., **Bal, G.**, Pramanick, P. and Mitra, A. (2017). Carbon sequestration by mangrove vegetations: A case study from Mahanadi mangrove wetland. *Journal of Environmental Science, Computer Science and Engineering & Technology*, 7(1): 16-29. ISBN: 2278–179X.
5. Banerjee, K., **Bal, G.** and Paul, R. (2018). Total Biomass and Carbon Estimates in Mangrove Species of Bhitarkanika Wildlife Sanctuary (BWLS), Odisha. *International Journal of Plant and Environment*, 4(2): 27–34. ISSN: 2475-6385, UGC recognized.
6. **Bal, G.** and Banerjee, K. (2019). Carbon storage potential of tropical wetland forests of south Asia: A case study from Bhitarkanika Wildlife Sanctuary, India, *Environment Monitoring and Assessment*, Springer (Accepted). ISSN: 0167-6369; Impact Factor: 1.959.
7. Banerjee, K., Sahoo, C., **Bal, G.**, Mallik, K., Paul, R., Mitra, A. (2020) and High blue carbon stock in mangrove forests of Eastern India. *Tropical Ecology*, 61(1). DOI:10.1007/s42965-020-00072-y

### **II. Published in ISBN book chapters**

1. Banerjee, K., **Bal, G.** and Mitra, A. (2016). How Soil Texture Affects the Organic Carbon Load in the Mangrove Ecosystem? A Case Study from Bhitarkanika, Odisha. In: *Environmental Pollution*. VP Singh, S. Yadav and RN Yadava (Eds.) Springer, Texas A and M University, College station, TX, USA. ISBN: 978-981-10-5791-5.

2. **Bal, G.**, Mallik, K., Sahu, S.S. and Banerjee, K. (2017). Study on above ground biomass and carbon of the selective mangrove species of Bhitarkanika wildlife sanctuary, Odisha. In: *Proceedings of the National Conference on Waste to Energy, Carbon and Storage*. (Eds) S. Murugan, P. Balasubramanian and S. Rangabhashiyam. Elite Publication, Odisha, India. ISBN: 818553124-2.
3. Banerjee, K., **Bal, G.**, Khemundu, G.R., Sahoo, N.R., Mishra, G., Debsarma, C. and Paul, R. (2019). Ecological and Biomass Assessment of Vegetation Cover of University Campus. Apple Academic Press. ISBN: 9780429398193

### **Seminars and Workshops attended**

1. Participated and presented a paper in the Conference on Farmers First for Conserving Soil and Water Resources in Eastern Region (FFCSWR) – 2019 by Indian Association of Soil and Water Conservationists, Dehradun in collaboration with ICAR– Indian Institute of Soil and Water Conservation, Dehradun on the topic “Effect of sediment characteristics on mangrove diversity” dated 6<sup>th</sup> to 8<sup>th</sup> February, 2019.
2. Participated and presented a paper in the International Symposium on Biodiversity and Biobanking (Biodiverse) - 2018 organized by IIT, Guwahati on the topic “Biomass and carbon storage in above ground structures in mangroves of Bhitarkanika Wetlands of Odisha, India” dated 27<sup>th</sup> to 29<sup>th</sup> January, 2018.
3. Participated and presented a paper in the International workshop on Biodiversity and Climate Change (BDCC) – 2018 organized by IIT, Kharagpur on the topic “Carbon sequestration in Vegetation and Sediments of Bhitarkanika Wildlife Sanctuary, India” dated 24<sup>th</sup> to 27<sup>th</sup> February, 2018.
4. Participated and presented a poster in National Seminar on 4<sup>th</sup> Indian Biodiversity Congress on the topic "Carbon Storage Potential of the Soil of Bhitarkanika Mangrove Ecosystem" organized by the Pondicherry University dated 10<sup>th</sup> –12<sup>th</sup>, March, 2017.
5. Participated and presented a paper in the International Conference on Climate Change and Sustainable Development organized by Gangadher Meher University and State Open University, Sambalpur on the topic “Soil quality assessment of mangrove and non–mangrove areas of East Coast of India dated 18<sup>th</sup>–19<sup>th</sup> March 2017.
6. Participated and presented a paper in the National Conference on Waste to Energy– Carbon Capture and Storage– NCWECCS– 2017 organized by Department of Mechanical Engineering and Department of Biotechnology and Medical Engineering, NIT, Rourkela on the topic “Study on Above Ground Biomass and Carbon of Selective Mangrove Species of Bhitarkanika Wildlife Sanctuary, Odisha dated 3<sup>rd</sup> to 5<sup>th</sup> August, 2017.
7. Participated and presented a paper in International Conference on Water, Environment, Energy and Society on the topic "How soil texture affects the organic carbon load in the mangrove

ecosystem? A case study from Bhitarkanika, Odisha" organized by AISECT University, Bhopal dated 14th– 18th March 2016.

8. Participated and presented a poster presentation in National Seminar on Biodiversity & Conservation Initiatives in Koraput Region, Odisha organized by Central University of Orissa, Koraput, India on the topic “Stem biomass estimation and carbon sequestration potential of Silver Oak (*Grevillea robusta*) stand of Koraput District, Odisha” on dated 28<sup>th</sup> to 29<sup>th</sup> March 2015.
9. Participated and presented a paper in the National Seminar on Climate Change and Biodiversity, Central University of Orissa, Koraput on the topic Study on carbon storage in mangrove sediment of Bhitarkanika mangrove ecosystem on dated 23<sup>rd</sup> to 24<sup>th</sup> November, 2013.
10. Participated and presented presentation in National seminar on Forestry and Agriculture for Sustainable Future OUAT, Bhubaneswar on dated 26<sup>th</sup> to 28 March 2016
11. Attended the workshop on Research Methodology for Forestry (Sponsored by NAEB), Indian Institute Forest Management, Bhopal, 2015.
12. Attended workshop on Pre-Conference Workshop on GIS & Remote Sensing organised by AISECT University, Bhopal and Centre of Excellence in Geo-Informatics MANIT, Bhopal dated on 14<sup>th</sup> March, 2016.
13. Attended tutorial on Eco-physiological Measurements organised by IIT, Kharagpur, India on 24<sup>th</sup> to 27<sup>th</sup> February, 2018.

**Declaration:** I do hereby declare that the above information is correct to the best of my knowledge & belief.

**Date: 25.08.2024**

**Gobinda Bal**