

Dr. Kunja Bihari Satapathy M.Phil., Ph.D., D.Sc.

Emeritus Professor of Botany, Centurion University of Technology and Management, Bhubaneswar

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Former Head of the Department of Botany, Utkal University, Bhubaneswar-751004

EDUCATIONAL QUALIFICATIONS:

- After graduating in 1976 with a First-class Honours in Botany with distinction from Regional College of Education, Bhubaneswar he studied in the Post-Graduate Department of Botany, Utkal University where he obtained **M.Sc. Degree in First class with specialization in Microbiology in 1978.**
- He was awarded with **M.Phil., Ph.D. and D.Sc.** Degree from Utkal University in the year **1985, 1991 and 2007** respectively.

AWARDS/RECOGNITIONS RECEIVED WITH DETAILS:

[A] Awards received:

- a) **Young Botanist Award for the best research paper by the Indian Botanical Society in 1984.**
- b) The **prestigious International Ethnomedicine Research award** for the year **2014.**
- c) Considering his achievements and outstanding contributions to Plant Taxonomy, the **Orissa Botanical Society** awarded him the **“Dr. Gopinath Panigrahi Memorial Award” for Plant Taxonomy in 2015.**
- d) The Susambad Charitable Trust, Bhubaneswar bestowed him the **Eminent Botanist of Odisha award in 2016** for his outstanding contribution in the field of Plant Science.
- e) **Orissa Botanical Society** also conferred Dr. Satapathy **“the College of Basic Science & Humanities award for significant contribution to Botany” in 2018.**
- f) Recently, in recognition of **his lifetime contribution** to the field of **Plant science, Biodiversity, Ethnobotany and Environment conservation** he has been awarded with **“Environmentalism of the year Award-2023** by **Orissa Environment Society”** on the occasion of World Environment Day, 2023.
- g) This year (2023), Science Society of Loknath Mahavidyalaya, Patkura, Odisha also conferred Dr. Satapathy **‘The Father of Odishan Ethnobotany’** Award for his significant contribution in the field of **Ethnobotanical Studies** in the state of Odisha.
- h) Orissa Environment Society conferred the award - **Fellow of OES (FOES)** on the occasion of the **42nd Foundation Day** of the Society held on 29th October, 2023.

[B]: Scholarships/ Fellowships:

- i) **NCERT merit Scholarship** during Graduation studies (B.Sc.) at Regional College of Education, Bhubaneswar: 1974-1976
- j) **National merit Scholarship** during Post-graduation studies (M.Sc.) at the Post-Graduate Department of Botany, Utkal University, Bhubaneswar: 1976-1978.
- k) **I.C.A.R. Research Fellowship** at the Central Rice Research Institute (C.R.R.I.), Cuttack, Orissa: August 1979 - July 1981.
- l) **C.S.I.R. Research Scholarship** at the Regional Research Laboratory (R.R.L.), Bhubaneswar, Orissa: September 1982 - November, 1984.

[B]: Recognitions:

- m) Dr. Satapathy has been nominated as one of the **members of the “Empowered Committee” on ‘AYUSH’** (Ayurveda & Homoeopathy), Health & Family Welfare Department by the Government of Odisha.
- n) He has also been inducted as **Adjunct Faculty, Centre of Excellence in Studies on Tribal and Marginalized Communities** (CoE in STMC) at Utkal University, Vani Vihar, Bhubaneswar.

RESEARCH ACTIVITIES:

[A] Research Supervision:

- To date Dr. Satapathy had **supervised 26 students** in their **Ph.D.** research work in the field of Botany, Zoology, Environmental Science, Microbiology and Life Sciences, **25 students in M.Phil.**, 01 student in M.Tech. and **48 students in their M.Sc.** dissertation work; **8 Ph.D. students are still continuing their research work** under his supervision

[B] Research Publications:

- To his credit he has **published 13 Books** and **320 number of research papers** in National and International Journals, in book chapters as well as conference proceeding volumes.
- His books on **‘Herbal cure of Diabetes’** and **‘Azolla as Biofertilizer & Waste Disposer’** published in **three international languages** has been acclaimed worldwide.

[C] Research Patents Approved:

- Dr. Satapathy has been **felicitated** by the Centurion University of Technology & Management, Odisha for his **5 nos. of Patents** approved by the Govt. of **Australia**, Germany and **South Africa** during 2020, 2021, 2022 & 2023.

[D] Research projects Executed:

- Dr. Satapathy have successfully executed **07 major research projects** sponsored by **UGC, OBB, ICAR, NINL** and **12 consultancy projects** on Biodiversity study funded by several

industrial houses including **NALCO, MIEL, MCCL, Bhusan Steel Ltd., NINL, Visa Steel, Maithan, OSIL** etc.

[E] Highlights of Research Accomplishment:

- Dr. Satapathy had extensively studied the **ethnobiology of tribal-rich districts of Odisha** and reported over **1000 ethnomedicinal plant species** and their uses in primary healthcare
- Development of a **protocol for the production and utilization of *Azolla* - biofertilizer in rice fields** with varied Agro-climatic conditions and its **popularization among farmers in Odisha.**
- Development of **an eco-friendly and economically viable package for the decontamination of pollutants from sewage, and mine's waste water by Bioremediation method** using floating macrophytes.

He is known in the state of Odisha as a person with **expertise in 'Plant Taxonomy'** and his contribution to floristic studies on medicinal and aromatic plants in particular, indeed, phenomenal.

Besides, he has been **actively engaged in detoxification of municipal sewage, industrial effluents and mine's waste water** through phytoremediation employing *Azolla* and its floating associates.

Dr. Satapathy worked on plant biodiversity inventories, qualitative and quantitative assessment of flora of Hemgiri of Sundergarh district, Sukinda valley of Jajpur district, Telkoi and Barbil of Keonjhar district, Panchpattamali bauxite mining area of Koraput district, Anugul-Talcher forest area of Odisha as well as **Latehar district of Jharkhand.**

Dr. Satapathy holds over **40 years of experience in teaching, research** in the **Laboratory** as well as **in the field** and **Environmental consultancies**. He has been serving the cause of science in a wide spectrum of roles - a dedicated teacher, an honest scientist and an able researcher.