

**NAME: Dr. Gyanranjan Mahalik**

**Designation: Associate Professor**

**Qualification: M.Phil, Ph.D.**

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## **About Me**

**Dr. Gyanranjan Mahalik** is an Associate Professor at the Department of Botany, SoAS, Centurion University of Technology and Management. He was awarded UGC-JRF & SRF for his M. Phil and Ph.D. at Utkal University, Bhubaneswar. Dr. Mahalik has published 3 books, 14 book chapters, 15 conference proceedings, 5 patents, and more than 91 numbers of research papers in peer-reviewed journals of national and international repute. He gained more than 7 years of research experience. He is currently supervising 6 Ph.D. Scholars, 8 M.Phil. Scholars were awarded, and more than 50 M.Sc. students completed dissertations under his guidance. He also achieved four awards: the Global Teaching Excellence Award 2020 in the field of contribution to the Education community, Organized by Kites Kraft Production; Research Wizard Award 2022, Organized by Agri-Vision 2022, hosted by Ravenshaw University; Good Performer Award 2022 (Contribution to University) and Provost Research Award 2023 (Distinguished Achiever Award) given by Centurion University. He organized 3 National and 2 International conferences. He works on different aspects of plant taxonomy, ethnobotany, microbiology, antimicrobial analysis, environmental science, ecology, and plant sciences. He is an active Life Member of the Orissa Botanical Society (OBS), Scholars Academic and Scientific Society (SAS), and Society for Agricultural Research and Management (SARM).

## **AREA OF INTEREST**

- **Plant Taxonomy & Ecology**
- **Biodiversity**
- **Ethnobotany & Pharmacology**
- **Microbiology**
- **Environmental Science & Plant Science**

## **COURSES TAUGHT**

- Phycology and Microbiology- CUTM1455
- Plant Systematics- CUTM 1464
- Reproductive Biology of Angiosperm- CUTM1465

- Pharmacognosy and Phytochemistry- CUTM1416
- Systematics and Diversity of Plants- CUTM 1431
- Good Manufacturing Practices-Herbal Industry- CUTM 1429
- General Biology- UGFS S1-P6
- General Biology-II- UGFS S2-P6

**TEACHING EXPERIENCE: 7 years**

**RESEARCH EXPERIENCE: 7 years**

**ADMINISTRATIVE/EXECUTIVE EXPERIENCE: 7 years**

#### **AWARDS & HONORS**

**i. Provost Research Award 2023 (Distinguished Achiever Award)** given by Centurion University.

**ii. Good Performer Award 2022** (Contribution to University) given by Centurion University.

**iii. Research Wizard Award 2022**, Organized by Agri-Vision 2022, hosted by Ravenshaw University

**iv. Scholars Academic and Scientific Society (SAS Society)** has recognized tremendous contributions in academics and research and has provided the prestigious **SAS Fellow Membership (FSASS) award** with Membership ID: SAS/FSASS/388/2021

**v. Global Teaching Excellence Award 2020** in the field of contribution to the Education community, Organized by Kites Kraft Production.

#### **RESEARCH GUIDANCE:**

**Ph.D.: 6 scholars**

**M.Phil.: 8 students**

**M.Sc.: 58 students**

#### **RESEARCH GRANTS: 2 Seed Money grants**

**Dr. Gyanranjan Mahalik (PI) & Dr. Monali Mishra (Co-PI).** Grant seed money project of 1.30 lakhs on the title “Studies on the ethnobotanical and pharmacological activity of wild medicinal plants of Ranpur forest, Nayagarh, Odisha” Under the scheme of CUTM seed money, 202.

**Dr. Gyanranjan Mahalik.** Grant seed money project of 3.50 lakhs on the title “Pharmacological activities of different varieties of *Curcuma* species and its comparative analysis with other *Curcuma* species of Odisha”. Under the scheme of CUTM seed money, 2021.

#### **PUBLICATIONS**

**JOURNAL PUBLICATIONS: 91 Journal Publication**

**BOOK PUBLICATIONS: 3 Books and 14 book chapters**

Giri Y, Habibullah S, Dixit PK, **Mahalik G**, Mohanty B, Behera A (2024). Development of microemulgel formulations with varied permeation enhancers for transungual delivery of luliconazole in onychomycosis management. *Colloids and Surfaces B: Biointerfaces*, 234, 113718. <https://doi.org/10.1016/j.colsurfb.2023.113718> (IF-6.34)

Jali P, Samal IP, Jena S, **Mahalik G**. (2021). Morphological and biochemical responses of *Macrotyloma uniflorum* (Lam.) Verdc. to allelopathic effects of *Mikania micrantha* Kunth extracts. *Heliyon*, 7(8). <https://doi.org/10.1016/j.heliyon.2021.e07822> (IF-4.45)

Jyotirmayee B, **Mahalik G**. (2022). A review on selected pharmacological activities of *Curcuma longa* L. *International Journal of Food Properties*, 25(1), 1377-1398. <https://doi.org/10.1080/10942912.2022.2082464> (IF-3.30)

Acharya S, Patra DK, **Mahalik G**, Mohapatra PK. (2021). Quantitative ecological study of Rhizophoraceae mangroves of Bhitarkanika Wildlife Sanctuary regions of Odisha coast, India. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*, 91(4), 897-908. <https://doi.org/10.1007/s40011-021-01295-2> (IF-1.74)

Behera K, Mandal U, Panda M, Mohapatra M, Mallick SK, Routray S, Parida S, Mahalik G (2021). Ethnobotany and folk medicines used by the local healers of Bhadrak, Odisha, India. *Egyptian Journal of Botany*, 61(2):375-89. <https://doi.org/10.21608/ejbo.2020.26337.1474> (IF-1.11)

Panda DK, Jyotirmayee B, **Mahalik G**. (2022). Black rice: A review from its history to chemical makeup to health advantages, nutritional properties and dietary uses. *Plant Science Today*, 9(sp3), 01-15. <https://doi.org/10.14719/pst.1817> (IF-1.10)

Behera S, **Mahalik G**. (2022). A Survey on the Ethnomedicinal plants and Antimicrobial activity of *Tridax procumbens* L. *Research Journal of Pharmacy and Technology*, 15(1), 219-223. <https://doi.org/10.52711/0974-360X.2022.00036> (IF-0.87)

Sahoo S, Jyotirmayee B, Nayak S, Samal HB, **Mahalik G**. (2023). Review on Phytopharmacological Activity of *Curcuma amada* Roxb. (Mango ginger). *Defence Life Science Journal*, Vol. 8, No. 4, October 2023, 351-362. <https://doi.org/10.14429/dlsj.8.18793> (IF-0.50)

Jyotirmayee B, Nayak SS, Mohapatra N, Sahoo S, Mishra M, **Mahalik G**. (2023). Bioactive Compounds and Biological Activities of Turmeric (*Curcuma longa* L.). In *Bioactive Compounds in the Storage Organs of Plants* (pp. 1-29). Cham: Springer Nature Switzerland. [https://doi.org/10.1007/978-3-031-29006-0\\_20-1](https://doi.org/10.1007/978-3-031-29006-0_20-1)

Jyotirmayee B, Mandal U, Ardakani EA, **Mahalik G**. (2023) A Review of the Plants Used for the Management of Diabetes. *Ancient and Traditional Foods, Plants, Herbs and Spices used in Diabetes*, 31-45. Taylor and Francis. <https://doi.org/10.1201/9781003220930-4>

**PARTICIPATION IN CONFERENCE & SEMINARS (AS INVITED/PLENARY/CHAIR)**

**Dr. Gyanranjan Mahalik** delivered a keynote talk on Conservation, Cultivation and Sustainable Use of Medicinal Plants in International Conference Agri Vision 2022 held at Ravenshaw University, Cuttack

**Dr. Gyanranjan Mahalik** received a Research Wizard award in International Conference “Agri Vision 2022” and also, he received award for chairing a session i.e. Young Investigator Forum Session.

**Gyanranjan Mahalik** presented topic “Activity of *Tinospora cordifolia* and *Vetiveria zizanioides* extract against Urinary tract infectious microorganisms” on National Conference, Green Technology for Environment Management & 44th Orissa Botanical Society (OBS) organized by North Orissa University, 2020

**Gyanranjan Mahalik** presented topic “Study on the use of plants and plant parts in Durga puja for worshipping of goddess Durga in Odisha, India” at the International Conference on ICMSEA-2018, held at BITS, Vizag, 2018.

**Gyanranjan Mahalik** presented topic “Ethno-medicinal survey....of Bargarh district” at National seminar on the occasion of Odisha Bigyan ‘O’ Paribesh Congress held at NISER, Bhubaneswar. 17-18th November, 2018.

#### **OTHER INFORMATIONs**

**Dr. Gyanranjan Mahalik** published 4 Indian patents and 1 UK patent granted.