



Name: B Jyotirmayee

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Bio/Short Introduction: Commenced work as a PhD Scholar in the Botany Department, supervised by Dr. Gyanranjan Mahalik. My study focuses on the pharmacological properties of various Odisha species of *Curcuma*. The objective of my research is to examine the chemicals and their characteristics that underlie the distinct pharmacological actions of several *Curcuma* species that thrive in the climatic conditions of Odisha. I hope to develop a new medicine that targets a particular ailment by studying the effects of various *Curcuma* species. Aside from that, I am interested in working on collaborative projects and authoring scientific manuscripts. As a way to unwind and be active during my free time, I love listening to music and going on trips.

Research Interest: Medicinal and aromatic plants, Plant Pathology, Microbiology, Plant Physiology, Pharmaceutical study.

Supervisor: Dr. Gyanranjan Mahalik

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Publications:

1. Jyotirmayee, B., Nayak, S. S., 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.
2. Jyotirmayee, B., Nayak, S. S., Mohapatra, N., Mishra, M. P., & Bhusan, H. (2023). Evaluating biochemical and pharmacological properties of *Curcuma longa* L. grown organically in two locations of Odisha, India: In vitro study. *Int. J. Exp. Res. Rev*, 36, 359-377.
3. Sahoo, S., Jyotirmayee, B., Nayak, S., Samal, H. B., & Mahalik, G. (2023). Review on Phytopharmacological Activity of *Curcuma amada* Roxb. (Mango ginger).
4. Jyotirmayee, B., & Mahalik, G. (2022). A review on selected pharmacological activities of *Curcuma longa* L. *International Journal of Food Properties*, 25(1), 1377-1398.
5. Jyotirmayee, B., & Mahalik, G. (2022). Traditional Uses and Variation in Curcumin Content in Varieties of *Curcuma*—the Saffron of India. *Ambient Science*, 9(1), 06-12.

6. Panda, D. K., 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.
7. Mandal, U., Jyotirmayee, B., & Mahalik, G. (2022). Traditional plants utilized for the viral disease treatment. *Plant Science Today*, 9(2), 386-398.
8. Jyotirmayee, B., Mandal, U., Ardakani, E. A., & Mahalik, G. A Review of the Plants Used for the Management of Diabetes. *Ancient and Traditional Foods, Plants, Herbs and Spices used in Diabetes*, 31-45.