

1. **Name of the Faculty:** Dr. Manisha Maity
Department: Food and Nutrition
Designation: Assistant Professor and Head

2. **Publication Details:**

Journal Publications:

- i. **Maity, M.,** Sanyal, S., Bhowal, J*, & Bhattacharyya, D. K. (2013). Studies on isolation and characterization of lactase produced from soil bacteria. *Research Journal of Recent Science*, 2(8), 92-94.
- ii. **Maity, M.,** Bhattacharyya, A., & Bhowal, J*. (2021). Production and immobilization of β -galactosidase isolated from *Enterobacter aerogenes* KCTC2190 by entrapment method using agar-agarorganic matrix. *Applied Biochemistry and Biotechnology*, 193(7),2198-2224. <https://doi.org/10.1007/s12010-021-03534-8>.
- iii. Dutta, R., Maity, M., & Bhowal, J*. (2021). Production of medium chain fatty acid rich single cell oil using whole de-oiled mustard meal from soil fungus. *Indian Journal of Biochemistry and Biophysics (IJBB)*, 58(3), 303-311. <https://doi.org/10.56042/ijbb.v58i3.28991>
- iv. **Maity, M.,** Majumdar, S., Bhattacharyya, D. K., Bhowal*, J., Das, A.,& Barui, A. (2022). Evaluation of Prebiotic Properties of Galactooligosaccharides Produced by Transgalactosylation Using Partially Purified β -Galactosidase from *Enterobacter aerogenes* KCTC2190. *Applied Biochemistry and Biotechnology*, 1-23. <https://doi.org/10.1007/s12010-022-04073-6>
- v. **Maity, M.,** Bhattacharyya, D. K. and Bhowal, J*. (2023). Improvement of β -galactosidase production by solid-state fermentation using cauliflower (*Brassica oleraceae* var. *botrytis*) waste by *Enterobacter aerogenes* KCTC2190. *Research Journal of Biotechnology*, 18(3), 18-23.
- vi. Mukherjee, M., Paul, T., Halder, S., & **Maity, M***. (2023). Illuminating Focus on The Food Preservation with Different Essential Oils and Their Effects: A Review. *Journal of Advanced Zoology*, 44. <https://doi.org/10.17762/jaz.v44iS6.2667>
- vii. Prakash, N., Ghosal, S., & **Maity, M***. (2023). A Review on Therapeutic Effects of L-Carnitine: An Update. *Journal of Advanced Zoology*, 44. <https://doi.org/10.17762/jaz.v44iS6.2700>
- viii. Rana, R & **Maity, M***. (2023). Novel Trends in The Development of Hydrogel from Plant Sources and Their Effect in Environment and Human Health: A Review. *Journal of Advanced Zoology*, 44 <https://doi.org/10.17762/jaz.v44iS6.2671>

- ix. Bose, S., **Maity, M.**, & Kar, S*. (2023). Antinutrient Phytic acid: Can be proved to be a Boon for Colorectal Cancer. *Journal of Advanced Zoology*, 44. <https://doi.org/10.17762/jaz.v44iS6.2681>
- x. Saha, J., **Maity, M.**, Roy, S. K., & Ghosal, S*. (2023). Nutritional and Health status of tribal people: A review. *Journal of Advanced Zoology*, 44. <https://doi.org/10.17762/jaz.v44iS6.2676>
- xi. Rozario, P. C., **Maity, M***, Dhara, A & Wasika, S. (2024). Survey on the evolution of severity of Diebetic patientsamong different age groups and sexes in Central Kolkata. *Journal of Advanced Zoology*, 45, 546-553. <https://doi.org/10.53555/jaz.v45i1.4576>
- xii. Bedi, S., **Maity, M***, Bandhopadhyay, B., Kar, T. K., Pahari, S., & Panda, T. (2024). Isolation and characterization of *Lactobacillus* sp. From different dairy products and fermented foods for their application on gastrointestinal disorder. *Journal of Advanced Zoology*, 45, 554-559. <https://doi.org/10.53555/jaz.v45i1.4579>

Book Chapters:

- i. **Maity, M.**, Bhattacharyya, D. K., & Bhowal, J*. (2021). Production of Lactose-Free Cheese Using Partially Purified β -Galactosidase from *Enterobacter aerogenes* st KCTC2190. In *Advances in Bioprocess Engineering and Technology* (pp. 39-50). Springer, Singapore. https://doi.org/10.1007/978-981-15-7409-2_5.

Conference paper

- i. Maity, M., Hembram, A., & **Bhowal, J*** (2016). Screening and isolation of enzyme producing bacteria from soil, *Research Scholars Colloquium*, ISBN:978-93-80813-44-8
- ii. Bedi, S., Ghosh, S., Bandyopadhyay, B., Bedi, S., & **Maity, M***. (2023). Fermentation enhanced nutritional quality of food: A review. *Journal of Survey in Fisheries Sciences*, 10(1S), 6139-6145.
- iii. Roy, P., Rana, R., Neogi, S., Dutta, K., **Maity, M.**, & Tewari, S. (2023). Postbiotics: potential applications in early life nutrition and beyond. *Journal of Survey in Fisheries Sciences*, 10(1S), 6161-6169.
- iv. Feroz, F., Sarkar, A., Afreen, A., Mukherjee, M., Paul, T., Chakraborty, S & **Maity, M***. (2023). Illuminating focus on the health benefits of fermented foods against cancer. *Journal of Survey in Fisheries Sciences*, 10(1S), 6188-6194.

- v. Koner, D., Ansari, G. A., Roy, P., Paul, A., Fatma, A., & Maity, M. (2023). Effects of Diet on Endometriosis. *Journal of Survey in Fisheries Sciences*, 10(1S), 6195-6203.
- vi. Bedi, S., **Maity, M***, Bandhopadyay, B., Bedi, S., & Ghosh, S. (2023). An insight into the health-promoting effects of foods to prevent Antibiotic-associated Diarrhoea: A Review. *Journal of Survey in Fisheries Sciences*, 10(1S), 6204-6211.
- vii. Hazra, A., Saha, D., Banik, S., Banik, S., Das, S., & **Maity, M***. (2023). INDUSTRIALLY IMPORTANT XYLANASE FROM MICROBIAL SOURCES AND THEIR APPLICATIONS. *Journal of Survey in Fisheries Sciences*, 10(1S), 6089-6098

Patent:

- **Title:** Gupta, S., Maity, M., Su, M., Majumder, T., Roy, A., and Das, P. (2023), Interactive Technology-driven Low-cost Virtual Learning device NOODLE for equity to address digital divide, Application No.202331012519 A, Publication Date : 10/03/2023