

## **DR. PAYEL MITRA HAZRA**

Assistant Professor

M.Sc. (Botany), Ph. D.

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### » **Overview:**

I am an Assistant Professor teaching Botany at Triveni Devi Bhalotia College affiliated to Kazi Nazrul University. Since childhood I have aspired to be an educator. The ability to teach and inspire students gives me happiness and fulfilment. Before my current role, I was at Chandaneshwar High School where I taught younger students. Their enthusiasm gave me the motivation to work harder every day. Outside of work I love to travel, explore new cuisines and spend time with my family.

### » **Date of appointment to the present job:**

22<sup>nd</sup> December 2023

### » **Academic background:**

I studied at Carmel Convent High School, Durgapur for my secondary education (2004) followed by my higher secondary education in Bidhan Chandra Institution for Girls (2006). I pursued B.Sc. (2009) and M. Sc. (2011) degrees in Botany from Visva-Bharati. In M. Sc. my Special paper was "Mycology and Plant Pathology". In 2012 I completed my B.Ed. course. I was awarded the Ph.D. degree from Visva-Bharati in 2018. While pursuing my Ph.D. I worked in the Department of Botany, Visva-Bharati and Ballygunge Science College, Calcutta University.

### » **Information about Ph. D.:**

• **Date of Award:** 24<sup>th</sup> February 2018

• **Title of Thesis:** PHYTOCHEMICAL SCREENING, ANTIOXIDANT POTENTIAL, ANTIMICROBIAL AND IMMUNOMODULATORY ACTIVITIES OF FOUR WILD EDIBLE *TERMITOMYCES* SPP.

### » **Professional Qualifications:**

• **GATE:** LIFE SCIENCES, 2014

• **NET:** CSIR- UGC NET, 2017

• **SET:** WBCSC, 2018

### » **Publications in Journals:**

1. **Payel Mitra**, Somanjana Khatua, Narayan Chandra Mandal and Krishnendu Acharya. 2021. Beneficial properties of crude polysaccharides from *Termitomyces medius* of West Bengal to scavenge free radicals as well as boost immunity: A new report. Research Journal of Pharmacy and Technology 14(2):1073-1078.
2. Niraj Kumar Vishwakarma, Vijay Kumar Patel, **Payel Mitra**, K. Ramesh, Kheyath Mitra, Sambhav Vishwakarma, Krishnendu Acharya, Nira Misra, Pralay Maiti and Biswajit Ray. 2020. Synthesis of ABA-type double hydrophilic amphiphilic PU-based block copolymers of

poly(NVinylpyrrolidone) and poly(N-isopropylacrylamide) via click chemistry. *Journal of Macromolecular Science, Part A: Pure and Applied Chemistry* (Taylor & Francis) 1-14.

3. **Payel Mitra**, Arun Kumar Dutta, Narayan Chandra Mandal and Krishnendu Acharya. 2019. Phytochemical Study and Antioxidative property of Polyphenol Rich Fraction from *Termitomyces medius*. *Research Journal of Pharmacy and Technology* 12(9):4287-4294.
4. **Payel Mitra**, Narayan Chandra Mandal and Krishnendu Acharya. 2017. Antioxidative Activity, Mycochemical, and Phenolic Profile of *Termitomyces clypeatus*, a Wild Edible Mushroom from the Lateritic Zone of West Bengal. *Journal of Herbs, Spices & Medicinal Plants* (Taylor & Francis) 23(1): 1-8.
5. **Payel Mitra**, Narayan Chandra Mandal and Krishnendu Acharya. 2016. Mycochemicals and antioxidant activity of polyphenol-rich fraction of *Termitomyces microcarpus*. *International Food Research Journal* 23(6): 2384-2389.
6. **Payel Mitra**, Narayan Chandra Mandal and Krishnendu Acharya. 2016. Phytochemical Study and Antioxidative Property of Ethanolic Extract from *Termitomyces clypeatus*. *Journal of Applied Pharmaceutical Science* 6(7): 120-124.
7. **Payel Mitra**, Narayan Chandra Mandal and Krishnendu Acharya. 2016. Polyphenolic extract of *Termitomyces heimii*: antioxidant activity and phytochemical constituents. *Journal of Consumer Protection and Food Safety* (Springer) 11: 25-31.
8. Krishnendu Acharya, **Payel Mitra** and Subhadip Brahmachari. 2016. Pharmacognostic standardization of *Calocybe indica*: A medicinally sound mushroom. *Journal of Chemical and Pharmaceutical Research* 8(8): 743-748.
9. Krishnendu Acharya, Sandipta Ghosh, Somanjana Khatua, **Payel Mitra**. 2016. Pharmacognostic standardization and antioxidant capacity of an edible mushroom *Laetiporus sulphurous*. *Journal of Consumer Protection and Food Safety* (Springer) 11: 33-42.
10. **Payel Mitra**, Narayan Chandra Mandal and Krishnendu Acharya. 2015. Biocomponents and Bioprospects of Ethanolic Extract of *Termitomyces heimii*. *Asian Journal of Pharmaceutical and Clinical Research* 8(3): 331-334.
11. Somanjana Khatua, **Payel Mitra**, Swarnendu Chandra, and Krishnendu Acharya. 2015. *In Vitro* Protective Ability of *Ramaria aurea* Against Free Radical and Identification of Main Phenolic Acids by HPLC. *Journal of Herbs, Spices & Medicinal Plants* (Taylor & Francis) 21: 380-391.
12. Krishnendu Acharya, Subhadip Mukherjee and **Payel Mitra**. 2015. Pharmacognostic Standardisation of *Lentinula Edodes*: A Widely Explored Medicinal Mushroom. *International Journal of Pharmacognosy and Phytochemical Research* 7(4): 866-872.
13. Manabendra Pattanayak, Surajit Samanta, Prasenjit Maity, Ipsita K. Sen, Ashis K. Nandi, Dilip K. Manna, **Payel Mitra**, Krishnendu Acharya, Syed S. Islam. 2015. Heteroglycan of an edible mushroom *Termitomyces clypeatus*: structure elucidation and antioxidant properties. *Carbohydrate Research* (Elsevier) 413: 30-36.
14. Debanjana Biswal, Nikhil Ranjan Pramanik, Syamal Chakrabarti, Michael G. B. Drew, **Payel Mitra**, Krishnendu Acharya, Sujan Biswas and Tapan Kumar Mondal. 2015. Supramolecular frameworks of binuclear dioxomolybdenum(VI) complexes with ONS donor ligands using 4,4'-azopyridine as a pillar: crystal structure, DFT calculations and biological study. *New Journal of Chemistry* (Royal Society of Chemistry) 39: 8681-8694.
15. **Payel Mitra**, Jit Sarkar, Narayan Chandra Mandal and Krishnendu Acharya. 2014. Phytochemical Analysis and Evaluation of Antioxidant Efficacy of Ethanolic Extract of *Termitomyces medius*. *International Journal of Pharmaceutical Sciences Review and Research* 27(2): 261-266.

16. **Payel Mitra**, Narayan Chandra Mandal and Krishnendu Acharya. 2014. Phytochemical characteristics and free radical scavenging activity of ethanolic extract of *Termitomyces microcarpus* R. Heim. *Der Pharmacia Lettre* 6(5): 92-98.
17. **Payel Mitra**, Somanjana Khatua and Krishnendu Acharya. 2013. Free radical scavenging and NOS activation properties of water soluble crude polysaccharide from *Pleurotus ostreatus*. *Asian Journal of Pharmaceutical and Clinical Research* 6(3): 67-70.

» **Books and Chapters:**

N. A.

» **Seminars, Conferences, Webinars and workshops attended:**

- Seminar/ Conferences/Symposium: 10
- Workshop: 02
- Webinar: 05

» **Life Membership:**

N. A.

» **Awards/Academic Achievements:**

- THIRD prize for Oral Presentation in 2nd Regional Science and Technology Congress, 2017.
- Awarded with INSPIRE Fellowship from DST, Govt. of India in 2012 for pursuing Ph. D.
- Secured 1<sup>st</sup> class FIRST position in M.Sc. Examination from Visva-Bharati in 2011.
- Secured 1<sup>st</sup> class FIRST position in B.Sc. Examination from Visva-Bharati in 2009.

» **Professional Courses:**

- **Orientation Programme/FDP/FIP:** 00
- **Refresher Course:** 00
- **Short Term Course:** 00

» **Others/ Miscellaneous:**

N. A.