

## **Personal Profile**

**DR. RAJIB MUKHERJEE**

**M.Sc, B.Ed, PhD**

Associate Professor of Botany, Bolpur College  
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### **Academic Qualifications:**

- (a) PhD awarded in 06 April 2004 from the University of Burdwan (Utilization of lignocellulosic wastes as mycoprotein enriched ruminant feed through bioconversion)
- (b) M. Sc in 1992 from the University of Burdwan
- (c) B. Sc Hons in Botany in 1990 from Raj College, the University of Burdwan
- (d) B. Ed in 1995 from the University of Burdwan campus

### **Work Involvement:**

- (a) Presenting serving Bolpur College, Bolpur, as Associate Professor of Botany since 01 Feb 2001 (in Associate rank since 01 Feb 2013)
- (b) Served as the Controller of Examinations in the University of Burdwan from 18 Aug 2016 to 31 March 2017
- (c) Board Member, WBSSC, Bankura Zone from 2014 to 2019
- (d) Member of Board of Studies, UG (02 terms till March 2023)
- (e) Completed a UGC sponsored Minor Research Project (MRP) during 2010 to 2012.
- (f) Served as a Teacher's Representative to the Governing Body of Bolpur from 2009-2012 and 2012-2015 and in various other committees.
- (g) Served as a University nominee to the Governing Body of Vivekananda Mahavidyalaya, Burdwan (2012-2015), Gour Mohan Roy College, Mantewshwar from 2019-2023 and Govt Nominee of Dasarathi Hazra College, Bhatar (since 2017).
- (h) Served as a University Member to the Selection Committee of Non-Teaching Staff recruitment in Purnidevi Chowdhury Girls College.
- (i) Served as a University Member to the UGC funded Building Committee of Rampurhat College.
- (j) Life Member of Indian Mycological Society and St John's Ambulance.

### **List of Publications:**

- 1) M. Ghosh, R. Mukherjee and B. Nandi. Production of extra cellular enzymes by two *Pleurotus* species using banana pseudostem biomass. *Acta Biotechnol.* 18/3(1998)243-254.
- 2) R. Mukherjee and B. Nandi. Bioconversion of lignocellulosic biomass into food and feed after harvest of oyster mushroom. In *Nat. Conf. proceedings on plants, microbes and environment*, 2000 Burdwan University.
- 3) R. Mukherjee and B. Nandi. Effect of pH on submerged mycelia production by *Pleurotus* spp. in a medium with lignocellulosic biomass. *J.Mycopathol.Res.* 38/2/2000)65-69.
- 4) R. Mukherjee and B. Nandi. Role of nutrient supplementation on productivity of *Pleurotus* spp. on two lignocellulosic biomass, and the dry matter digestibility of the spent substrates. In *proceedings of Nat. Symp.on Tropical Mycology in the 21<sup>st</sup> century*. 2001.
- 5) R. Mukherjee and B. Nandi. Changes in dry matter digestibility and composition of bio converted mustard biomass by two *Pleurotus* spp. under mushroom growing conditions. *J. Sc. Ind. Reserach.* 60(2001)405-409.
- 6) R. Mukherjee and B. Nandi. Improvement of in vitro digestibility through biological treatment of water hyacinth biomass by two *Pleurotus* spp. *Int. Biodeterio. Biodegra* 53(2004)7-12.
- 7) R. Mukherjee. M. Ghosh and B. Nandi. Improvement of dry matter digestibility of water hyacinth by solid state fermentation using white rot fungi. *Ind. J. Expt. Biol.* 42(2004)837-843.
- 8) R. Mukherjee and B. Nandi. Cultivation of *Pleurotus* spp. on different lignocellulosic biomass. In *proceedings of Nat. Symp.on microorganisams and their role in plant and human affairs*, The Indian Mycological Society, 2009.
- 9) R. Mukherjee. "Human-caused environmental change: Impacts on plant diversity and evolution" - a review. In *proceedings of Nat. Symp. on Pollution: Disbalancing the global environment: Threats and Prevention*, Faculty of Science, Bolpur College and Dept of Biotech and Environ. Science, B.U. and NIT. Durgapur. 2011.
- 10) R. Mukherjee. "Effect of various parameters on the production and activity of  $\alpha$ -amylase by two *Bacillus* spp. namely *B.amyloliquefaciens* MTCC 1488 and *B.licheniformis* NTCC 1483 using household agro-wastes as a substrate in solid state fermentation. *JETIR*, Nov 2020 Vol. 7 (11), 1170-76.

### **As Resource Person:**

- 1) Delivered a speech as Resource Person on "Present scenario of food security in India" at Netaji Mahavidyalaya, Arambag, Hooghly, 09-10 Feb 2017 in a UGC sponsored national seminar/workshop on Food security: A challenge to agriculture organized by

the Dept of Botany of Netaji Mahavidyalaya, Arambag, Hooghly in collaboration with Dept of Botany, the University of Burdwan.

**Conference Proceedings:**

- 1) Joint Editor of UGC Sponsored Conference Proceeding held during 05-06 March 2011. "Pollution: Disbalancing the Global Environment: Threats and Preventions" (ISBN: 978-93-80869-62-9).