

CURRICULUM VITAE



Personal Information

Name: Shibu Barman
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West Bengal, Pin. 736 204
Mb. Number: +91 8101174848
Email: sbmarch1990@gmail.com
Date of Birth : 23/03/1990
Blood Group: A⁺
Caste: Schedule caste
Nationality: Indian, Religion: Hindu

Key Experience:

Worked as a project fellow in DBT funded Extension project entitled "***Establishment of Rural Bio-resource complex in North Bengal***" under taken by Department of Botany, University of North Bengal in collaboration with Uttar Banga Krishi Viswavidyalaya, Pundibari, Coochbehar'

Education:

EXAM	BOARD/UNIVERSITY	INSTITUTE	MARKS (%)	YEAR OF PASSING
MADHYAMIK	WBBSE	SHILBARIHAT HIGH SCHOOL	77.78	2005
HIGHER SECONDARY	WBCHSE	FALAKATA HIGH SCHOOL	64.23	2007
GRADUATION	NORTH BENGAL UNIVERSITY	ANANDA CHANDRA COLLEGE	51.89	2010
MASTER OF SCIENCE in Botany (M.Sc)	NORTH BENGAL UNIVERSITY	NORTH BENGAL UNIVERSITY	70.18	2012
PhD	NORTH BENGAL UNIVERSITY			2018
JOIN CSIR-UGC NET				2019

Publications:

- Barman S.**, Chakraborty U. and Chakraborty BN. (2022). Evaluation of spent mushroom compost of *Agaricus bisporus* for management of root rot disease of *Citrus reticulata* caused by *Fusarium oxysporum* . . . *Journal of Myco-pathological research*, 60(3): 47-61. ISSN-0971-3719.
- Barman S.**, Chakraborty U. and Chakraborty BN. (2021). GC-MS analyses of biochemical constituents in fruit body of *Agaricus bisporus*, *Journal of Myco-pathological research*, 59(1): 47-61. ISSN-0971-3719.

3. Chakraborty B N., **Barman S.** and Chakraborty U. (2020). Evaluation of Antioxidant activity of *Calocybe indica* and analysis of its chemical constituents by GC-MS. *Journal of Myco-pathological research*, 57(4): 229-236, ISSN-0971-3719
4. Debnath A, Barman N, Hossain J, Barman S. and Mukhopadhyay RP. (2020). RHIZOBIUM- an effective and beneficial soil bacterium. *Journal of Myco-pathological research*, 57(4): 201-208, ISSN-0971-3719.
5. Barman.,N Debnath A., Hossain J., **Barman S.** and Mukhopadhyay RP. (2020). Bacillusthuringiensis: importance and applications. *Journal of Myco-pathological research*, 57(4): 193-200, ISSN-0971-3719.
6. Roy S., **Barman S,** Chakraborty U and Chakraborty BN. (2018). Evaluation of Antioxidant and Antidiabetic activity of *Pleurotus djamor* cultivated in North Bengal. *Journal of Myco-pathological research*, 48(2): 49-59. ISSN-0971-3719
7. **Barman S.,** Chakraborty B N. and Chakraborty U. (2018). Tea leaf as an effective and alternative substrate for cultivation of *Calocybe indica* P.&C. in North Bengal and evaluation of their nutritional value. *Journal of Botanical Society of Bengal* , 72(1 and2):53-60. ISSN -0971-2976
8. **Barman S,** Chakraborty BN. and Chakraborty U. (2018). Edible Mushroom:Boon to human health and nutrition. *Journal of Myco-pathological research*, 57(4): 193-200, ISSN-0971-3719.
9. **Barman S.,** Acharya A., Chakraborty U. and Chakraborty B N. (2017). Evaluation of the effect of different casing materials and compost formulations on growth parameters of sporophore of *Agaricus bisporus* (Lange) Imbach. *International journal of science and nature*, **8 (2):** 377-385. ISSN-2229-6441.
10. Chakraborty B N., Chakraborty U. **Barman S.** and Roy S. (2017). Improved method of composting for Button Mushroom production in foot hills of Darjeeling. *Journal of Mycology and Plant Pathology*, **47(3):** 324-331. ISSN-0971-9393
11. Chakraborty BN., Chakraborty U., **Barman S.** and Roy S. (2016). Effect of different substrates and casing materials on growth and yield of *Calocybe indica* (P&C) in North Bengal, India. *Journal of Applied and Natural Science*, 8 (2): 683 – 690. ISSN-2231-5209.
12. **Barman S.,** Roy S., Chakraborty U. and Chakraborty BN. (2015). Cultivation practices of *Calocybe indica* (P & C) and use of spent mushroom substrate for leafy vegetables in North Bengal”, *Global journal of Bio-science and Bio-technology*, 4 (1): 74-80. ISSN-2278-9103.
13. Roy S., **Barman S.,** Chakraborty U. and Chakraborty BN. (2015). Cultivation of *Pleurotus djamor*- a new species of oyster mushroom in North Bengal. *Journal of Myco-pathological research*, 53(1): 59-63. ISSN-0971-3719.
14. Roy S., **Barman S.,** Chakraborty U. and Chakraborty B. (2015). Evaluation of Spent Mushroom Substrate as biofertilizer for growth improvement of *Capsicum annum* L. *Journal of Applied Biology & Biotechnology*. 3 (03): 022-027. ISSN-2455-7005

15. Roy S., **Barman S.**, Chakraborty U. and Chakraborty B. (2015). Production of *Pleurotus ostreatus* grown in Different Substrates and Evaluation of Spent Substrate as Organic Manure for Growth Improvement of *Capsicum chinense* Jacq. *Journal of Mycology and Plant Pathology*, 45 (3): 267-272. ISSN-0971-9393
16. Roy S., **Barman S.**, Chakraborty U. and Chakraborty B. (2014). Development of easy and efficient technologies for cultivation of different species of *Pleurotus*. *NBU journal of Plant Science*. 8 (1):13-18.

Book Chapter:

1. **Barman S**, Chakraborty B N. (2022). Mushroom cultivation practices for Upliftment of Rural economy and Women Empowerment in North Bengal. Trends in biogeography (Eastern Himalaya and North Bengal) ISBN: 9789391139407, Rajesh Publication.
2. **Barman S**, Chakraborty B N. (2019). Stress and Mushroom -production. -Plant Stress Biology. ISBN: 9789388879095, New Delhi Publishers.

Seminar Attended:

1. Online International Webinar on **Application of Nanotechnology in Food Science & Technology: Current Prospects and Future Development** held on May 29:2021, Organized by Faculty of Life Sciences, Mandsaur University
2. Online National Webinar on **Introduction to Forensic Science** Organized by S.G.T.B Khalsa College, University of Delhi on 15th July 2022
3. ISMPP zonal meet (east zone) and national seminar on **Impact of changing environment on plants, microbes and their interaction held on September 13-14: 2017**. Antioxidant activity and partial characterization of chemical constituents of *Calocybe indica* P&C by GC-MS, Visvabharati, Santiniketan.
4. ISMPP 37TH annual conference and national symposium-2015, on ‘**FOOD SECURITY THROUGH PLANT HEALTH PROTECTION**’ on April 4-6, 2016 at Rajendra Agricultural University, Bihar.
5. Workshop cum seminar on **Bio-resource Utilization and nitrogen fertilizer -Boon or Bane on September 05, 2016**.
6. National conference on **emerging trends in fungal biology and plant protection** on February 16-18, 2016 at BHU, Varanasi.
7. National workshop on **Exploitation of Plant and Microbial Resources of North Bengal on December 14-16, 2015**, organized by Department of Botany, University of North Bengal.