

## Resume of



**Dr. DEBU KUMAR BHATTACHARJYA**  
**Associate Professor**  
**Department of Biochemistry**  
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### **Academic Career:**

<b>Name of degree</b>	<b>Institution attended</b>	<b>Year of passing</b>	<b>Result</b>
S.S.C (Science)	Ratandia Rajani Kanto High School	2002	GPA-4.50 (out of 5.00)
H.S.C (Science)	Pangsa University College	2004	GPA-4.20 (out of 5.00)
B.Sc. Agriculture (Honours)	Sher-e-Bangla Agricultural University	2009	GPA-3.73 (out of 4.00)
M.Sc. (Agriculture) in Biochemistry	Sher-e-Bangla Agricultural University	2013	GPA-3.86 (out of 4.00)
PhD (Biochemistry)	Ehime University, Japan	2020	Degree Awarded

### **Teaching, research and other experiences:**

Lecturer	26 May 2013 to 25 May 2015
Assistant Professor	26 May 2015 to 14 September 2020
Associate Professor	15 September 2020 till to date

### **Scholarship, Fellowships, Awards received:**

1. Recipient of Japanese Government (Monbukagakusho) Scholarship to undertake a PhD research at The United Graduate School of Agricultural Sciences (UGAS), Ehime University, Japan (2017).

### **Extra-curricular activities:**

#### **1. University Assignments:**

- i. Working as an Associate Director since 11.01.2021 in the Outreach program, Sher-e-Bangla Agricultural University (SAU).

## **2. During student life:**

- i. Worked as a Deputy Secretary of Bangladesh Student League, Central Committee from 2011 to 2013.
- ii. Worked as a Vice-President of Bangladesh Student League, Sher-e-Bangla Agricultural University Unit from 2011 to 2013.

## **3. Other Activities:**

- i. Working as a member, Krishibid Institution Bangladesh, Dhaka Metropolitan Unit.
- ii. Worked as a Social welfare secretary, Krishibid Institution Bangladesh, Dhaka Metropolitan Unit.

## **Personal Detail:**

Name : Debu Kumar Bhattacharjya  
Father's Name : Uttam Kumar Bhattacharjya  
Mother's Name : Nilima Rani Bhattacharjya  
Date of Birth : 02<sup>th</sup> January, 1985  
Nationality : Bangladeshi (by birth)  
Mailing Address : Department of Biochemistry, Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.  
Permanent Address : Vill.- Maliat, P.O. – Ratandia (7722), P.S./Upzilla -Kalukhali, Dist.- Rajbari  
Blood Group : A<sup>+ve</sup>  
Sex : Male  
Religion : Hindu (Sonaton)  
Marital Status : Married

## **On-Going Research Grants:**

1. Working as a Principal Investigator in the project entitled “**Comparative study of the nutritional status of six edible mushrooms grown in Bangladesh**” funded by the SAURES since 01.01.2021.

## **Memberships at various organizations:**

1. Life Member in Japanese Universities Alumni Association in Bangladesh.
2. Member in Forest Biomass Utilization Society, Japan.
3. Member in The Japan Wood Research Society.
4. Member in Krishibid Institution Bangladesh
5. Member in the Academic Council at SAU

## **List of Publications:**

### **A. Thesis:**

1. **Bhattacharjya, D.K.** 2020. Study and development of biological activity from edible mushrooms and Citrus macroptera. PhD Thesis. Ehime University, Japan.
2. **Bhattacharjya, D.K.** 2013. Effect of different sawdust substrates on the growth, yield, and nutritional composition of oyster mushroom (*Pleurotus ostreatus*). M.Sc. Thesis. Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.

### **B. Research publications:**

1. Pujirahayu, N., **Bhattacharjya, D.K.**, Suzuki, T., Katayama, T. 2019.  $\alpha$ -Glucosidase inhibitory activity of cycloartane-type triterpenes isolated from Indonesian stingless bee propolis and their structure-activity relationship. *Pharmaceuticals* 12, 102.
2. Paul, R.K., Sharif, R.H., **Bhattacharjya, D.K.**, Sarker, D.R., Sen, A., Miah, M.N., Ahmed, K.U. 2018. Physicochemical characters of oilseed from selected groundnut genotypes. *Bioresearch Communications* 4 (2), 541–554.
3. Kabir, H., Paul, R.K., Rahaman, M.S., Ahmad, M.F., **Bhattacharjya, D.K.**, Rahaman M.S. 2017. Method validation for assay of loperamide hydrochloride by HPLC in loperamide hydrochloride tablets. *International Journal of Advanced Research in Chemical Science* 4 (4), 11–27.
4. Miah, M.N., Begum, A., Shelly, N.J., **Bhattacharjya, D.K.**, Paul, R.K., Kabir, M.H. 2017. Effect of different saw dust substrates on the growth, yield and proximate composition of white oyster mushroom (*Pleurotus ostreatus*). *Bioresearch Communications* 3 (2), 397–410.
5. Sharif, R.H., Paul, R.K., **Bhattacharjya, D.K.**, Ahmed, K.U. 2017. Physicochemical characters of oilseeds from selected mustard genotypes. *Journal of the Bangladesh Agricultural University* 15 (1), 27–40.
6. Paul, R.K., Kabir, H., Chowdhury, U.K., Rahaman, M.S., Ahmad, M.F., **Bhattacharjya, D.K.** 2016. *In Vitro* antioxidant activity of *Withania Somnifera* root. *International Journal of Advanced Research in Chemical Science (IJARCS)* 3 (3), 45–56.
7. Rashid, M.H., **Bhattacharjya, D.K.**, Paul, R.K., Rahaman, M.S., Rahaman, M.S., Miah, M.N., Ahmed, K.U. 2016. Effect of different saw dust substrates on the growth and yield of oyster mushroom (*Pleurotus florida*). *Bioresearch Communications* 2 (1), 193–199.
8. Paul, R.K., **Bhattacharjya, D.K.**, Kabir, A.K.L., Rashid, M.H., Rahaman, M.S., Rahaman, M.S., Miah, M.N., Ahmed, K.U. 2015. Effect of different saw dust substrates on the nutritional composition of oyster mushroom (*Pleurotus florida*) and its application on human health. *Dhaka Univ. J. Pharm. Sci.* 14 (2), 215–223.
9. **Bhattacharjya, D.K.**, Paul, R.K., Miah, M.N., Ahmed K.U. 2015. Comparative study on nutritional composition of oyster mushroom (*Pleurotus ostreatus*) cultivated on different sawdust substrates. *Bioresearch Communications* 1 (2), 93–98.

10. Hosen, M., Chowdhury, M.F.N., Uddin, M.S., Paul, R.K., **Bhattacharjya, D.K.** 2014. Maintenance and characterization of new exotic inbred line of maize. *IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS)*, **7** (8), 62–66.
11. Chowdhury, M.F.N., Ahmed, K.U., Hosen, M., Paul, R.K., **Bhattacharjya, D.K.** 2014. Evaluation of grain weight, moisture, dry matter, oil cake,  $\beta$ -carotene, oil constant and aflatoxin content of different varieties and advanced lines of mustard and rapeseed. *IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS)* **7** (6), 34–39.
12. **Bhattacharjya, D.K.**, Paul, R.K., Miah, M.N., Ahmed, K.U. 2014. Effect of different saw dust substrates on the growth and yield of oyster mushroom (*Pleurotus ostreatus*). *IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS)* **7** (2), 38–46.
13. **Bhattacharjya, D.K.**, Pujirahayu, N., Suzuki, T., Katayama, T. 2020. Chemical constituents of whole fruit of *Citrus macroptera* and their antioxidant activity. *Journal of the Forest Biomass Utilization Society* **15** (2), 29–38.
14. **Bhattacharjya, D.K.**, Indrianingsih, A.W., Wulanjati, M.P., Suzuki, T., Katayama, T. 2020. Antibacterial activity of seven species of edible mushrooms, using a resazurin-based 96-well plate microdilution method. *Journal of the Forest Biomass Utilization Society* **15** (2), 39–43.
15. **Bhattacharjya, D.K.**, Suzuki, T., Katagi, A., Katayama, T. 2020.  $\alpha$ -Glucosidase inhibition and antioxidant activities of seven edible mushrooms and  $\alpha$ -glucosidase inhibitory active compounds from *Boletus edulis*. *Journal of the Forest Biomass Utilization Society* **15** (1), 1–9.
16. Shamsuzzaman, M., **Bhattacharjya, D.K.**, Islam M.S., Hoque, M.E. 2021. Molecular diversity analysis of somaclonal variants of potato (*Solanum tuberosum* L.) by random amplified polymorphic DNA markers. *Annual Research & Review in Biology* **36** (3), 63–76.
17. Indrianingsih, A.W., Wulanjati, M.P., Windarsih, A., **Bhattacharjya, D.K.**, Suzuki, T., Katayama, T. 2021. In vitro studies of antioxidant, antidiabetic, and antibacterial activities of *Theobroma cacao*, *Annona muricata* and *Clitoria ternatea*. *Biocatalysis and Agricultural Biotechnology* **33**, 101995.

### **C. Conference Papers:**

1. **Bhattacharjya, D.K.**, Suzuki, T., Katayama, T. 2019.  $\alpha$ -Glucosidase Inhibitory Activities of Compounds Identified from *Boletus edulis*. 69<sup>th</sup> Annual Meeting of the Japan Wood Research Society. 14-16 March 2019. Hakodate Arena, Japan. M14-09-1700.
2. **Bhattacharjya, D.K.**, Suzuki, T., Katayama, T. 2020. Chemical constituents and antioxidant activity of the fruits of *Citrus macroptera* and *Garcinia pedunculata*. 70<sup>th</sup> Annual Meeting of the Japan Wood Research Society. 16-18 March 2020. Tottori University, Japan. M17-P3-03.
3. **Bhattacharjya, D.K.**, Suzuki, T., Katayama, T. 2018.  $\alpha$ -Glucosidase inhibition and DPPH free radical-scavenging activities of seven edible mushroom. 30<sup>th</sup> Meeting of the Chugoku-Shikoku Branch of the Japan Wood Research Society. 13-14 September 2018. Kochi Hall, Kochi, Japan. A03.

4. **Bhattacharjya, D.K.**, Suzuki, T., Katayama, T. 2019. Chemical constituents of the fruits of *Citrus macroptera* and their antioxidant activity. 31<sup>th</sup> Meeting of the Chugoku-Shikoku Branch of the Japan Wood Research Society. 11-12 September 2019. Shimane Civic Center, Matsue, Japan. A05.

**Reference:**

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**Signature**



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