Curriculum Vitae

MANOJ MANDAL
Assistant Professor,
Department of Biochemistry and Molecular Biology,
Gopalganj Science and Technology University (GSTU),
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Professional Experiance:

1. Executive (Quality Control department)
Institution : Square Pharmaceuticals PLC.
Year : 2015-2016

2. Lecturer
Subject : Biochemistry and Molecular Biology
University : Gopalganj Science and Technology University
Year : 2016-2018

3. Assistant Professor
Subject : Biochemistry and Molecular Biology
University : Gopalganj Science and Technology University
Year : 2018 – Present.

Academic Background:

Master of Science (M.Sc.), Thesis Group -
Subject : Biochemistry and Molecular Biology
University : Jahangirnagar University
Year of Completion : 2013

Bachelor of Science (B.Sc.) Honours -
Subject : Biochemistry and Molecular Biology
University : Jahangirnagar University
Year of Completion : 2012

Higher Secondary Certificate (HSC) -

Group	: Science
Institution	: Govt.Yasin College
Year of Completion	: 2007
Board	: Dhaka

Secondary School Certificate (SSC) -

Group	: Science
Institution	: B.P.B High School
Year of Completion	: 2005
Board	: Dhaka

Research Interests:

Molecular Biology and Biotechnology

Research Publications:

1. Asrafuzzaman M, Rahman MM, **Mandal M**, Marjuque M, Bhowmik A, Rokeya B, Hassan Z, Faruque MO. Oyster mushroom functions as an anti-hyperglycaemic through phosphorylation of AMPK and increased expression of GLUT4 in type 2 diabetic model rats, Journal of Taibah University Medical Sciences (2018), https://doi.org/10.1016/j.jtumed.2018.02.009

2. **Mandal M**, Rakibuzzaman, Rokeya B, Ali L, Hassan Z, Faruque MO. Anti-diabetic effect of Oyster Mushroom mediates through increased AMP-activated protein kinase(AMPK) and cyclic AMP-response element binding (CREB) protein in Type 2 Diabetic model Rats, Bangladesh Journal of Medical Science Vol. 17 No. 04 October'18, Page: 661-668, DOI: http://dx.doi.org/10.3329/bjms.v17i4.38333

3. Tanvir EM, Hossen MS, Shapla UM, Mondal M, Afroz R, **Mandal M**, Chowdhury MAZ, Khalil MI, Gan SH. Antioxidant, brine shrimp lethality and analgesic properties of propolis from Bangladesh, J Food Biochem. 2018; e12596, https://doi.org/10.1111/jfbc.12596

4. **Mandal M**, Kabir L, Khan I, Haque ST and Haque E. Isolation of Bioactive Principles and Studies of Antimicrobial, Cytotoxic and Antioxidant Activities of the stem bark of *Baccaurea ramiflora* (Euphorbiaceae), Biores Comm. V4- (2) 565- 571

5. Asaduzzaman M, Ullah MM, Redwan SM, Alam MJ, Juliana FM, Hossain N, Das B, Asma R, **Mandal M,** Dutta KK. Emergence of Meropenem Resistance in Pathogens Recovered From Urine Cultures in Bangladesh, IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS) 13.3 (2018): 41-47, DOI: 10.9790/3008-1303044147

6. Hasan M, Paul NC, Paul SK, Saikat ASM, Akter H, **Mandal M**, Lee SS. Natural Product-Based Potential Therapeutic Interventions of Pulmonary Fibrosis, Molecules 2022, 27, 1481, https://doi.org/10.3390/molecules27051481

7. Jahan N, **Mandal M**, Rakib IH, Hasan SA, Mia E, Hossain MA, Yana NT, Ansari SA, Bappi MH, Hasan AW, Sayeed MA, Islam MT. Assessment of Antidiarrheal Effect of Oleuropein Through μ-Oopioid Receptor Interaction Pathway: In Vivo and in Silico Studies, Drug Development Research, 2025; 86:e70064, https://doi.org/10.1002/ddr.70064

8. Paul P, Iftehimul, Dey D, Mia AR, Khafaji KA, Pal B, Biswas P, **Mandal M**, Hasan N. Investigating the potent TOPO IIα inhibitors in breast cancer through the study of computational drug discovery research approaches, Molecular Diversity (2025) 29:655–67, Vol.: (0123456789), https://doi.org/10.1007/s11030-024-10882