

PUBLISHED PAPERS BY FACULTY MEMBERS

1. Muhammad et al. Detection of association of IL1 β , IL4R, and IL6 gene polymorphisms with cervical cancer in the Bangladeshi women by tetra-primer ARMS-PCR method. *Int Immunopharmacol.* 2020 10:107131. doi: 10.1016/j.intimp.2020.107131.
2. Nova et al. CYP2C19*2, CYP2C19*17 and ITGB3 (PLA1/A2) polymorphisms and resulting therapeutic alterations of clopidogrel and aspirin: A clinical screening among CVD patients who undergone PCI. *bioRxiv* 2020.10.04.325258; doi: <https://doi.org/10.1101/2020.10.04.325258>
3. Uddin et al. Genetic variants of ZNF385B and COMT are associated with autism spectrum disorder in the Bangladeshi children. *Meta Gene.*2020;26:100820
4. Anonna et al. A clinical evaluation of the alterations in the level of serum zinc, copper, iron, and manganese in the ischemic heart disease patients of Bangladesh - A case-control study. *Heliyon.* 2020 Oct 20;6(10):e05311
5. Datta et al. Association study of IL10 gene polymorphisms (rs1800872 and rs1800896) with cervical cancer in the Bangladeshi women. *Int Immunopharmacol.* 2020;89(Pt B):107091.
6. Hussain et al. Association of DRD2 gene polymorphisms with schizophrenia in the young Bangladeshi population: A pilot study. *Heliyon.* 2020 Oct 1;6(10):e05125.
7. Uddin et al. Exploration of in vitro thrombolytic, anthelmintic, cytotoxic and in vivo anxiolytic potentials with phytochemical screening of flowers of *Brassica nigra*. *Futur J Pharm Sci.* 2020: 6;73.
8. Karmokar et al. Variants of SMAD1 gene increase the risk of colorectal cancer in the Bangladeshi population. *Tumour Biol.* 2020;42(9):1010428320958955.
9. Marzan et al. Association Between REELIN Gene Polymorphisms (rs7341475 and rs262355) and Risk of Schizophrenia: an Updated Meta-analysis. *J Mol Neurosci* (2020). <https://doi.org/10.1007/s12031-020-01696-4>
10. Bushra et al. Genetic polymorphisms of GSTP1, XRCC1, XPC and ERCC1: prediction of clinical outcome of platinum-based chemotherapy in advanced non-small cell lung cancer patients of Bangladesh. *Mol Biol Rep.* 2020;47(9):7073-7082.
11. Hossen et al. A Review on Current Repurposing Drugs for the Treatment of COVID-19: Reality and Challenges. *SN Compr. Clin. Med.*2020: 2;1777–1789.
12. Hridoy et al. Estimation of Effective Reproduction Number for COVID-19 in Bangladesh and its districts. *medRxiv;* 2020. <https://doi.org/10.1101/2020.08.04.20168351>.
13. Hridoy et al. Forecasting COVID-19 Dynamics and Endpoint in Bangladesh: A Data-driven Approach. *medRxiv.* 2020. <https://doi.org/10.1101/2020.06.26.20140905>.
14. Islam et al. Evaluation of serum amino acids and non-enzymatic antioxidants in drug-naïve first-episode major depressive disorder. *BMC Psychiatry.* 2020: 20, 333.

15. Jafrin et al. Association of TP53 Codon 72 Arg> Pro Polymorphism with Breast and Lung Cancer Risk in the South Asian Population: A Meta-Analysis. *Asian Pacific Journal of Cancer Prevention*. 2020; 21(6); 1511-1519.
16. Islam et al. Association of age, sex, comorbidities, and clinical symptoms with the severity and mortality of COVID-19 cases: a meta-analysis with 85 studies and 67299 cases. medRxiv. 2020.05.23.20110965; <https://doi.org/10.1101/2020.05.23.20110965>.
17. Aziz et al. Association of rs363598 and rs360932 Polymorphisms with Autism Spectrum Disorder in the Bangladeshi Children. *Meta Gene*. 2020;25:100733
18. Hridy et al. Genetic Variations of RAD51 and XRCC2 Genes Increase the Risk of Colorectal Cancer in Bangladeshi Population. *Asian Pacific Journal of Cancer Prevention*. 2020;5:1445-1451.
19. Rashid et al. Influence of TPMT Polymorphisms on Azathioprine Induced Myelosuppression in Bangladeshi Systemic Lupus Erythematosus Patients. *Drugs Ther Perspect*. 2020;36:202-297.
20. Zahra et al. Pharmacogenetic Variants in MTHFR Gene are Significant Predictors of Methotrexate Toxicities in Bangladeshi Patients with Acute Lymphoblastic Leukemia. *Clin Lymphoma Myeloma Leuk*. 2020 Feb;20(2):e58-e65.
21. Amin et al. Increased Oxidative Stress, Altered Trace Elements, and Macro-Minerals Are Associated with Female Obesity. *Biol Trace Elem Res*. 2020;197(2):384-393.
22. Chowdhury et al. Association between variants of COQ2 and TNF- α genes and statin-induced toxicities in Bangladeshi hyperlipidemic patients. *Drugs Ther Perspect* 2019;35:621–626
23. Amin et al. How the association between obesity and inflammation may lead to insulin resistance and cancer. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews* 13(2):1213-24. (2019).
24. Adnan et al. Increased concentration of serum MDA decreased antioxidants and altered trace elements and macro-minerals are linked to obesity among Bangladeshi population. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews* 13 (2):933-38(2019).
25. Jahan et al. Antidiarrheal and Antimotility Activities of Stem Bark Extracts of *Annona reticulata* Linn. in Mice Model. *Journal of Applied Life Sciences International*. 2019;20(3): 1-9.
26. Das et al. Elevated Serum Lipid Peroxidation and Reduced Vitamin C and Trace Element Concentrations Are Correlated With Epilepsy. *Clinical EEG and Neuroscience*. 2019; 50(1) 63–72.
27. Khanum et al. In vivo Neurological, Analgesic and In vitro Antioxidant and Cytotoxic Activities of Ethanolic Extract of Leaf and Stem Bark of *Wedelia chinensis*. *Bangladesh Pharmaceutical Journal*.2019: 22(1),18-26.

28. Islam et al. Elevated serum levels of malondialdehyde and cortisol are associated with major depressive disorder: A case-control study. *Sage Open Medicine*. 2018;6:1-7.
29. Islam et al. Alterations of serum macro-minerals and trace elements are associated with major depressive disorder: a case-control study. *BMC Psychiatry*. 2018;18(1):94.
30. Rahman et al., Pathophysiological status of serum antioxidant, macro-minerals and trace elements in patients with metabolic syndrome in Bangladesh. *IJPSR* 2018;9(3):1012-1022.
31. Abedin et al. Thrombolytic, CNS Depressant and Anti-Diarrhoeal Activities of Ethanolic Extract of Bark of *Syzygium cumini* L. Skeels: An In-Vivo and In-Vitro Study. *Journal of Pharmacy and Nutrition Sciences*. 2018;8(3):129-36.
32. Noor et al., DPYD*2A and MTHFR C677T predict toxicity and efficacy respectively in patients on chemotherapy with 5-fluorouracil for colorectal cancer. *Cancer Chemother Pharmacol* 2018; 81(1): 119-129.
33. Kibria et al. Comparative study of antidiabetic effect of some selected plants extract from Cucurbitaceae family in alloxan-induced diabetic mice. *Journal of Noakhali Science and Technology University (JNSTU)* 2017;1(2):9-18.
34. Hossain et al. Association of Biochemical Parameters with Renal Functions of End Stage Renal Disease (ESRD) Patients of Bangladesh. *J Bioanal Biomed* 2017; 9: 294-298.
35. Islam et al. Investigation of in vitro thrombolytic and anti-helminthic activity and in vivo anxiolytic and antidepressant potentiality with phytochemical nature of methanolic extract of *Leucas lavandulifolia*. *Sustainable Chemistry and Pharmacy*. 2017;6:61-66.
36. Tasmin et al., Genetic variants of SULT1A1 and XRCC1 genes and risk of lung cancer in Bangladeshi population. *TumorBiol*. 2017;39(11):1-8.
37. Rivu et al. Association of TP53 codon 72 and CDH1 genetic polymorphisms with colorectal cancer risk in Bangladeshi population. *Cancer Epidemiol*. 2017 May 26;49:46-52.
38. Chowdhury et al. Effect of VKORC1 and CYP2C9 polymorphisms on warfarin dose requirement in Bangladeshi population. *Pak J of Pharm Sci*. 2017;30(2):1-6. <http://www.pjps.pk/wp-content/uploads/pdfs/30/2/Paper-1.pdf>.
39. Chowdhury et al. Elevated serum MDA and depleted non-enzymatic antioxidants, macrominerals and trace elements are associated with bipolar disorder. *Trace Elem Med Biol* 2017;39:162-168.
40. Parvin et al., Association of BRCA1, BRCA2, RAD51, and HER2 gene polymorphisms with the breast cancer risk in the Bangladeshi population. *Breast Cancer*. 2017 Mar;24(2):229-237.

41. Amin, et al. Cross-sectional Study Exploring Barriers to Adverse Drug Reactions Reporting in Community Pharmacy Settings in Dhaka, Bangladesh. *BMJ Open*. 2016 Aug 3;6(8):e010912. <https://www.ncbi.nlm.nih.gov/pubmed/27489151>.
42. Khan et al. Stimulation of fat storage by prostacyclin and selective agonists of prostanoid IP receptor during the maturation phase of cultured adipocytes. *Cytotechnology*. 2016 Dec;68(6):2417-2429.
43. Khan et al. Pretreatment of cultured preadipocytes with arachidonic acid during the differentiation phase without a cAMP-elevating agent enhances fat storage after the maturation phase. *Prostaglandins Other Lipid Mediat*. 2016 Mar;123:16-27.
44. Bellah et al. Prostate Cancer Risk in Relation to CYP3A4 and CYP3A5 Genotypes in the Bangladeshi Population. *Dhaka university journal of pharmaceutical sciences*.2016;14(2):179-185.
45. Joly et al. Interaction of Duloxetine Hydrochloride with Deoxyribonucleic Acid Measured by Fluorescence Spectroscopy. *Dhaka University Journal of Pharmaceutical Sciences*. 2016;14(2):199-206.
46. Shabnaz et al. Breast cancer risk in relation to TP53 codon 72 and CDH1 gene polymorphisms in the Bangladeshi women. *Tumour Biol*. 2016 Jun;37(6):7229-37.
47. Haque et al. Low serum selenium concentration is associated with preeclampsia in pregnant women from Bangladesh. *J Trace Elem Med Biol* 2016;33(1):21-25.
48. Bin Sayeed et al. Prevalence of CYP2C19 alleles, pharmacokinetic and pharmacodynamic variation of clopidogrel and prasugrel in Bangladeshi population. *Clin Exp Pharmacol Physiol*. 2015;42(5):451-7.
49. Islam et al. Effect of GSTP1 and ABCC4 gene polymorphisms on response and toxicity of cyclophosphamide-epirubicin-5-fluorouracil-based chemotherapy in Bangladeshi breast cancer patients. *Tumour Biol*. 2015;36(7):5451-7. <https://www.ncbi.nlm.nih.gov/pubmed/25677905>.
50. Amin et al. Effect of lipid peroxidation, antioxidants, macro minerals and trace elements on eczema. *Arc Dermatol Res*. 2015;307(7):617-23.
51. Sarwar et al. Effect of socio-economic status and estimation of lipid peroxidation and antioxidant in preeclamptic pregnant women: a case-control study. *Hypertension in Pregnancy*. 2015;34(1):125-135.
52. Noor et al. Analgesic and anti-inflammatory activity of methanol extract of *Xanthosoma sagittifolium*. *J pharmacog phytochem*. 2015; 4(3):181-185.
53. Bhowmick et al. Characterization of chemical groups, and investigation of cytotoxic and antioxidant activity of *Litsea glutinosa* leaves. *Journal of Plant Sciences* 2015; 2(6-1): 24-29.
54. Sajib et al. In vitro antimicrobial activity study and in vivo antiemetic, antinociceptive

- activity evaluation of leaves extract of *Erioglossum rubiginosum* using experimental animal model. *Orient Pharm Exp Med*. 2015;15(2):135-140.
55. Uddin et al. Genetic polymorphisms of GSTM1, GSTP1 and GSTT1 genes and lung cancer susceptibility in the Bangladeshi population. *Asian Pac, J Trop Biomed* 2014;4(12):982-89.
 56. Mostaid et al. Lung cancer risk in relation to TP53 codon 47 and codon 72 polymorphisms in Bangladeshi population. *Tumour Biol*. 2014;35(10):10309-17.
 57. Sarwar et al. Evaluation of serum lipid profile in patients with hypertension living in a coastal region of Bangladesh. *Drug Res (Stuttg)*. 2014 Jul; 64(7): 353-7.
 58. Das et al. Comparative Phytochemical Screening and In vitro Evaluation of Biological Activities between Aqueous and Ethanolic Extract of *Momordica charantia* L. Fruits. *British J Pharmaceu Res* 2014;4(6): 739-750.
 59. Islam et al. Association of CYP3A4, CYP3A5 polymorphisms with lung cancer risk in Bangladeshi population. *Tumour Biol*. 2014;35(2):1671-8.
 60. Bhowmick et al. In vivo analgesic, antipyretic, and anti-inflammatory potential in Swiss albino mice and in vitro thrombolytic activity of hydroalcoholic extract from *Litsea glutinosa* leaves. *Biol Res*. 2014;47:56.
 61. Hossain et al. In vivo antipyretic, antiemetic, in vitro membrane stabilization, antimicrobial, and cytotoxic activities of different extracts from *Spilanthes paniculata* leaves. *Biol Res*. 2014;47:45.
 62. Basak et al. Exploration of Analgesic Activity of the Ethanolic Extract of *Erythrina variegata* Bark. *The journal of analgesics* 2014;2(2):37-42.
 63. Akter et al. Antidiabetic and Thrombolytic Effects of Ethanolic Extract of *Spilanthes paniculata* Leaves. *Journal of Plant Sciences*.2014;2(6-1):13-18.
 64. Islam et al. Comparative analysis of serum malondialdehyde, antioxidant vitamins and immunoglobulin levels in patients suffering from generalized anxiety disorder. *Drug Res (Stuttg)*. 2014;64(8):406-11.
 65. Hossain et al. Investigation of total phenolic content and antioxidant activities of *Azadirachta indica* roots. *Avicenna J Phytomed* 2014 Mar;4(2):97-102.
 66. Sarwar et al. Comparative study of serum zinc, copper, manganese and iron in preeclamptic pregnant women. *Biol Trace Elem Res*. 2013;154:14–20.
 67. Ruzzo et al. Deficiency of asparagine synthetase causes congenital microcephaly and a progressive form of encephalopathy. *Neuron* 2013;80(2):429–41.
 68. Islam et al. Comparative Analysis of Serum Zinc, Copper, Manganese, Iron, Calcium and Magnesium Level and Complexity of Inter Element Relations in Generalized Anxiety Disorder Patients. *Biol Trace Elem Res*. 2013;154:21–27.
 69. Chowdhury et al. Development and evaluation of methocel k15m based theophylline floating tablets. *Journal of Applied Pharmaceutical Science* 2013;3(8 SUPPL):37-S41.

70. Nahar et al. Determination of Serum Antioxidant Vitamins, Glutathione and MDA Levels in Panic Disorder Patients. *Drug Res (Stuttg)*. 2013;63(8):424-8.
71. Sarwar et al. Resistant hypertension: underlying causes and treatment. *Drug Res (Stuttg)* 2013; 63(05): 217-223.
72. Sultana et al. Interaction of Nalbuphine Hydrochloride with Deoxyribonucleic Acid by Fluorescence Quenching method. *Drug Res (Stuttg)* 2013; 63(05): 224-227.
73. Hassan et al. Genotype-phenotype variability in human CYP3A locus in Nepalese people residing in Bangladesh. *Int J Clin Pharmacol Ther*. 2013;51(3):207-14.
74. Islam et al. Lung cancer risk in relation to nicotinic acetylcholine receptor, CYP2A6 and CYP1A1 genotype in Bangladeshi population. *Clinica Chimica Acta*. 2013;416:11-19.
75. Hasanuzzaman et al. Preliminary antimicrobial activity and cytotoxicity of plant extracts (roots) of *Coccinia Grandis* (family: Cucurbitaceae). *IJPSR*, 2013; 4(4): 1466-1468.
76. Hasanuzzaman et al. Evaluation of total phenolic content, free radical scavenging activity and phytochemical screening of different extracts of *Averrhoa bilimbi* (fruits). *International Current Pharmaceutical Journal*. 2013, 2(4):92-96.
77. Ahmed et al. Quantitative Determination of Azithromycin in Human Plasma by Liquid Chromatography–Mass Spectrometry and its Application in Pharmacokinetic Study. *Dhaka University Journal of Pharmaceutical Sciences*. 2012;11(1):55-63.
78. Howlader et al. Characterization of Chemical Groups and Study of Antioxidant, Antidiarrhoeal, Antimicrobial and Cytotoxic activities of ethanolic extract of *Diospyros blancoi* (Family: Ebenaceae) Leaves. *Journal of Pharmacy Research*. 2012,5(6),3050-3052.
79. Sultana et al. Modification of Ciprofloxacin HCl release from Povidone K-30 based Matrix as a Function of Avicel pH 101. *Indian Journal of Novel Drug Delivery*.2012; 4(2):145-150..
80. Hossain et al. Formulation Design and Characterization of Kollidon SR based Trimetazidine Dihydrochloride Matrix Tablets. *Indian Journal of Pharmaceutical education and research*. 2012; 46(2):137-44.
81. Shohag et al. Serum Antioxidant Vitamins and Malondialdehyde Levels in Patients with Obsessive-Compulsive Disorder. *German Journal of Psychiatry*. 2012;15(1):10-14.
82. Morshed et al. Antimicrobial and Cytotoxic Activity of the Methanol Extract of *Paederia foetida* Linn. (Rubiaceae). *J Appli Pharmace Sci*. 2012;2(1):77-80.
83. Ahmed, et al. Comparative Pharmacokinetic and Bioequivalence Study of Azithromycin 500 mg Tablet in Healthy Bangladeshi Volunteers. *International Journal of Clinical Pharmacology and Therapeutics*. 2012;50(6):452-8.
84. Islam et al. Comparative Bioavailability Study of Omeprazole 20 mg Capsule

Encapsulated with Omeprazole 22.5% Enteric Coated Pellets with Reference Product in Healthy Bangladeshi Male Subjects: An Open-Label, Single-Dose, Randomized Sequence, Two-Way Crossover Study. *International Journal of Clinical Pharmacology and Therapeutics*. (Germany). 2011;49(12):778-786.

85. Chowdhury et al. Validation and Optimization of a Simple RP-HPLC Method for Determination of Trimetazidine in Human Serum and Its Application in a Pharmacokinetic Study with Healthy Bangladeshi Male Volunteers. *Dhaka University Journal of Pharmaceutical Sciences*. 2011;10(2):67-70.
86. Shahed et al. A Simple RP-HPLC Method for the Determination of Cefdinir in Human Serum: Validation and Application in a Pharmacokinetic Study with healthy Bangladeshi Male Volunteers. *Dhaka University Journal of Pharmaceutical Sciences*. 2011;10(2):110-116.
87. Shohag et al. Pharmacokinetic and Bioequivalence Study of Etoricoxib 60 mg Tablet in Healthy Bangladeshi Volunteers. *Arzneimittel-Forschung [Drug Research]* (Germany). 2011; 11: 617-621.
88. Sultana et al. Comparative Pharmacokinetic and Relative Bioavailability Study of Coated and Uncoated Azithromycin Powder for Suspension in Healthy Bangladeshi Male Volunteers. *Arzneimittel-Forschung [Drug Research]* (Germany). 2011; 10: 594-598.
89. Mondal et al. Development and Validation of RP-HPLC Method for the Simultaneous Estimation of Domperidone and Naproxen in Tablet Dosage Form. *Journal of Applied Pharmaceutical Science* 2011;1(7):145-148.
90. Joti et al. Validation and Optimization of a Simple RP-HPLC Method for Determination of Cilostazol in Human Serum. *Indian Journal of Novel Drug Delivery* 2011; 3(2):143-148.
91. Karim et al. Serum MDA and Vitamin C level in Conversion Disorder Patients. *Dhaka University Journal of Pharmaceutical Sciences*. 2011;10(1):59-64.
92. Islam et al. Bioequivalence evaluation of two esomeprazole 20 mg capsule formulations in healthy male Bangladeshi volunteers. *Journal of bioequivalence and bioavailability*. 2011;3(6):139-143.
93. Haider et al. Oxidative Stress and Antioxidant Status in Vitiligo Patients. *Dhaka University Journal of Pharmaceutical Sciences*. 2010; 9(2):103-108.
94. Naznin et al. Evaluation of Serum Ca, Mg, Cu, Fe, Zn and Mn in Conversion Disorder Patients. *Dhaka University Journal of Pharmaceutical Sciences*. 2010;9(2):119-124.
95. Mogal et al. Development and optimization of sustained released matrix tablets of ambroxal Hydrochloride using central composite design. *Indian J.Pharm. Educ. Res*. 2010;44(1):28-35.
96. Daula, et al. Effect of solvent on water vapor transmission through hydroxyl propyl

methyl film. International J. Eng. Tech. 2009;6(4):602-607.

97. Basher et al. Preparation of control release matrix using Guar gum and Na-alginate and their evaluation by dissolution. International J. Eng. Tech. 2009; 6(2):424-428.
98. Islam, et al. Effect of Physicochemical properties on the release profile of Diltiazem HCl and Naproxen from HPMC and Kollidon SR based matrix tablets. Indian J. Pharm. Educ. Res. 2009;43(1):46-54.
99. Islam et al. In vitro release kinetics Study of Diltiazem Hydrochloride from wax and Kollidon SR based matrix Tablets, Iranian Journal of Pharmaceutical Research. 2008;7(2):101-108.
100. Hossain et al. Preparation and characterization of Ibuprofen matrix tablet based on Kollidon SR and Carnauba wax. USTA 2007; 13(1): 86-92.
101. Islam MS. Development of Sustained Release Wax Matrix granules of Highly Water Soluble Drug. USTA 2007; 13(1): 64-74.
102. Islam et al. Formulation and In- Vitro evaluation and of Extended- Release Matrix Tablet of Diltiazem Hydrochloride: influence of Hydrophilic and Hydrophobic Matrix Former. USTA 2007;13(1):45- 54.
103. Aziz MA, Sarwar MS (Co-first author), Akter T, Uddin MS, Xun S, Zhu Y, Islam MS, Hongjie H. Polyphenolic molecules targeting signal transducer and activator of transcription 3 pathway for the treatment of cancer. Life Sciences 2020 (Accepted) (Elsevier). Impact Factor: 3.65.
104. Uddin MS, Mamun AA, Alghamdi BS, Tewari D, Jeandet P, Sarwar MS, Ashraf GM. Epigenetics of Glioblastoma Multiforme: From Molecular Mechanisms to Therapeutic Approaches. Seminars in Cancer Biology 2020 (Elsevier). (Impact Factor: 11.09).
105. Muhammad SB, Hassan F, Bhowmik KK, Millat MS, Sarwar MS, Aziz MA, Berek MA, Uddin MS, Ferdous M, Islam MS. Detection of association of IL1 β , IL4R, and IL6 gene polymorphisms with cervical cancer in the Bangladeshi women by tetra-primer ARMS-PCR method. Int Immunopharmacol 2020; 10:107131 (Elsevier). (Impact Factor: 3.943).
106. Anonna SN, Ahamed SK, Uddin MG, Adnan MT, Uddin SN, Hussain MS, Millat MS, Bulbul L, Bhatta R, Sarwar MS, Rashid MM, Chowdhury JA, Islam MS. A clinical evaluation of the alterations in the level of serum zinc, copper, iron, and manganese in the ischemic heart disease patients of Bangladesh - A case-control study. Heliyon 2020, 6(10): e05311 (Cell Press). (Impact Factor: 1.65).
107. Datta A, Zahora FT, Aziz MA, Uddin MS, Ferdous M, Millat MS, Sarwar MS, Berek MA, Jafrin S, Nahar S, Islam MS. Association study of IL10 gene polymorphisms (rs1800872 and rs1800896) with cervical cancer in the Bangladeshi women. Int Immunopharmacol 2020 Oct 15;89(Pt B):107091 (Elsevier). Impact Factor: 3.943.

108. Sarwar MS, Xia Y, Liang ZM, Tsang SW, Zhang HJ. Mechanistic pathways and molecular targets of plant-derived anticancer *ent*-kaurane diterpenes. *Biomolecules* 2020; 10: 144 (MDPI). Impact Factor: 4.694.
109. Uddin MS, Mamun AA, Kabir MT, Ahmad J, Jeandet P, Sarwar MS, Ashraf GM, Aleya L. Neuroprotective role of polyphenols against oxidative stress-mediated neurodegeneration. *European Journal of Pharmacology* 2020; 173412 (Elsevier). Impact Factor: 3.263.
110. Hossain MF, Mamun AA, Shah MA, Hasana S, Bulbul IJ, Sarwar MS, Mansouri RA, Ashraf GM, Rauf A. Exploring the multimodal role of phytochemicals by modulating cellular signal pathways to combat age-related neurodegeneration. *Science of the Total Environment* 2020; 725: 138313 (Elsevier). Impact Factor: 6.55.
111. Mamun A, Uddin MS, Bashir MFB, Zaman S, Begum Y, Bulbul IJ, Islam MS, Mathew B, Ashraf G, Amran M, Sarwar MS, Bin-Jumah MN, Mousa SA, Abdel-Daim MM. Molecular Insights into the Therapeutic Promise of Targeting APOE4 for Alzheimer's Disease. *Oxidative Medicine and Cellular Longevity* 2020; Article ID: 5086250 (Hindawi). Impact Factor: 5.08.
112. Xia Y, Lam CS, Li W, Sarwar MS, Liu K, Lee KM, Zhang HJ, Tsang SW. Flexicaulin A, an ent-kaurane diterpenoid, activates p21 and inhibits the proliferation of colorectal carcinoma cells through a non-apoptotic mechanism. *International Journal of Molecular Sciences* 2019; 20(8): 1917 (MDPI). Impact Factor: 4.183.
113. Uddin MS, Mamun AA, Takeda S, Sarwar MS, Begum MM. Analyzing the chance of developing dementia among geriatric people: a cross-sectional pilot study in Bangladesh. *Psychogeriatrics*. 2019; 19(2):87-94 (Wiley Online). Impact Factor: 1.75.
114. Amin MN, Liza KF, Sarwar MS et al. Effect of lipid peroxidation, antioxidants, macro minerals and trace elements on eczema. *Archives of Dermatological Research* 2019, 307(7): 617-623 (Springer). Impact Factor: 2.309.
115. Das A, Sarwar MS, Hossain MS, Karmakar P et al. Elevated Serum Lipid Peroxidation and Reduced Vitamin C and Trace Element Concentrations Are Correlated With Epilepsy. *Clin EEG Neurosci*. 2019; 50(1):63-72 (SAGE). Impact Factor: 1.822.
116. Adnan MT, Amin MN, Uddin MG, Hussain MS, Sarwar MS et al. Increased concentration of serum MDA, decreased antioxidants and altered trace elements and macro-minerals are linked to obesity among Bangladeshi population. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews* 2019; 13: 933-938 (Elsevier).
117. Amin MN, Hussain MS, Sarwar MS, Moghal MMR, Das A, Hossain MZ, et al. How the association between obesity and inflammation may lead to insulin resistance and cancer.

Diabetes & Metabolic Syndrome: Clinical Research & Reviews 2019, 13(2): 1213-1224 (Elsevier).

- 118.** Khanum S, Sarwar MS, Islam MS. In vivo Neurological, Analgesic and In vitro Antioxidant and Cytotoxic Activities of Ethanolic Extract of Leaf and Stem Bark of *Wedelia chinensis*. *Bangladesh Pharmaceutical Journal* 2019, 22(1): 18-26.
- 119.** Sarwar MS, Zhang HJ, Tsang SW. Perspectives of Plant Natural Products in Inhibition of Cancer Invasion and Metastasis by Regulating Multiple Signaling Pathways. *Current Medicinal Chemistry*. 2018; 25(38):5057-5087 (Bentham Science). Impact Factor: 3.693.
- 120.** Zhao CL, Sarwar MS (Co-First Author), Ye JH, Ku CF, Li WF, Luo GY, Zhang JJ, Xu J, Huang ZF, Tsang SW, Pan LT, Zhang HJ. Isolation, evaluation of bioactivity and structure determination of amethinol A, a prototypic amethane diterpene from *Isodon amethystoides* bearing a six/five/seven-membered carbon-ring system. *Acta Crystallogr C Struct Chem*. 2018; 74(Pt 5):635-640 (Wiley Online). Impact Factor: 1.09.
- 121.** Mohiuddin M, Dewan SMR, Das A, Sarwar MS. Anti-nociceptive, anti-inflammatory and antipyretic activities of Ethanolic extract of *Atylosia scarabaeoides* (L.) Benth (family: Fabaceae) leaves in experimental animal. *Journal of Applied Life Sciences International* 2018, 1-12.
- 122.** Rahman MS, Hasan K, Hussain MS, Millat MS, Sen N, Islam MS et al. Pathophysiological status of serum antioxidant, macro-minerals and trace elements in patients with metabolic syndrome in Bangladesh. *Int J Pharm Sci* 2018, 9: 1012-1022.
- 123.** Uddin MS, Mamun AA, Asaduzzaman M, Hosn F, Sufian MA, Takeda S, ...Sarwar MS, et al. Spectrum of disease and prescription pattern for outpatients with neurological disorders: an empirical pilot study in Bangladesh. *Annals of Neurosciences* 2018; 25(1): 25-37 (SAGE).
- 124.** Chowdhury MI, Hasan M, Islam MS, Sarwar MS et al. Elevated serum MDA and depleted non-enzymatic antioxidants, macro-minerals and trace elements are associated with bipolar disorder. *Journal of Trace Elements in Medicine and Biology* 2017; 39: 162–168. (Elsevier). Impact Factor: 2.895.
- 125.** Akter S, Hossain MS, Mia MR, Sarwar MS. Evaluation of CNS Depressant, Antidiarrheal and Antipyretic Activities of Ethanolic Leaf Extract of *Calophyllum inophyllum* L. on Swiss Albino Mice. *Journal of Advances in Medical and Pharmaceutical Sciences*, 2017, 1-9.
- 126.** Sufian MA, Islam MR, Chowdhury TK, Rahman A, Uddin MS, Koly SF, Sarwar MS. Investigation of in vivo analgesic, anti-inflammatory, in vitro membrane stabilizing and

thrombolytic activities of *Atylosia scarabaeoides* and *Crotalaria spectabilis* leaves. *Journal of Pharmacology and Toxicology* 2017, 12(3): 120-128.

127. Kibria G, Karmakar P, Sarwar MS, Das A, Hasanuzzaman M, Khan F et al. Comparative study of antidiabetic effect of some selected plants extract from Cucurbitaceae family in alloxan-induced diabetic mice. *Journal of Noakhali Science and Technology University (JNSTU)* 2017, 1(2):9-18.
128. Sarwar MS, Lin Z, Ku CF, Guan Y, Xiao H, Shi X, Wang H, Bian Z, Tsang SW, Zhang HJ. Protective effect of dihydro-resveratrol against lung injury in rats with cerulein-induced acute pancreatitis. *Planta Medica* 2016; 82(S 01): S1-S381 (Conference abstract). Impact Factor: 2.746.
129. Haque MM, Moghala MMR, Sarwar MS et al. Low serum selenium concentration is associated with preeclampsia in pregnant women from Bangladesh. *Journal of Trace Elements in Medicine and Biology* 2016, 33: 21-25 (Elsevier). Impact Factor: 2.895.
130. Dash R, Emran TB, Paul A, Sarwar MS et al. Effects of Five Bangladeshi Plant Extracts on In vitro Thrombolysis and Cytotoxicity. *Pharmacognosy Res.* 2016; 8(3):176-180. (PubMed). Impact Factor: 1.630.
131. Uddin MS, Nasrullah M, Hossain MS, Rahman MM, Sarwar MS et al. Evaluation of nootropic activity of *Persicaria flaccida* on cognitive performance, brain antioxidant markers and acetylcholinesterase activity in rats: Implication for the Management of Alzheimer's Disease. *American Journal of Psychiatry and Neuroscience.* 4(2):26-37.
132. Uddin MS, Mamun AA, Iqbal MA, Sarwar MS et al., Internet Addiction Disorder and Its Pathogenicity to Psychological Distress and Depression among University Students: A Cross-Sectional Pilot Study in Bangladesh. *Psychology* 2016; 7: 1126-1137.
133. Uddin MS, Mamun AA, Iqbal MA, Sarwar MS et al. Medicine that Causes Memory Loss: Risk of Neurocognitive Disorders. *International Neuropsychiatric Disease Journal* 2016; 8(1): 1-18.
134. Uddin MS, Mamun AA, Akter N, Sarwar MS, Rashid M, Amran MS. Pharmacopoeial standards and specifications for pharmaceutical oral liquid preparations. *Archives of Current Research International* 2016, 1-12.
135. Sarwar MS, Bank S, Sarkar RC et al. Effect of socio-economic status and estimation of lipid peroxidation and antioxidant in preeclamptic pregnant women. *Hypertension in Pregnancy*, 2015; 34(1):125-135 (PubMed). Impact Factor: 1.80.

136. Sajib AI, Dewan SMR, Das A, Sarwar MS et al. In vitro antimicrobial activity study and in vivo antiemetic, antinociceptive activity evaluation of leaves extract of *Erioglossum rubiginosum* using experimental animal model. *Oriental Pharmacy and Experimental Medicine* 2015, 15(2): 135-140 (Springer). Impact Factor: 0.710.
137. Bhowmick R, Sarwar MS, Dewan SMR et al. Comparative evaluation of antidiabetic activity of crude methanolic extract of leaves, fruits, roots and aerial parts of *Coccinia grandis*. *Journal of Plant Sciences* 2015; 2(6-1): 19-23.
138. Bhowmick R, Sarwar MS, Dewan SMR et al. Characterization of chemical groups, and investigation of cytotoxic and antioxidant activity of *Litsea glutinosa* leaves. *Journal of Plant Sciences* 2015; 2(6-1): 24-29.
139. Zannah S, Islam M, Ali Y, Sarwar MS et al. Antidiabetics in combination with hydroxychloroquine improve antioxidant and hepatoprotective activities in alloxan-induced diabetic rats. *Bangladesh Pharmaceutical Journal* 2015; 18(1): 72-77.
140. Noor MAA, Islam MZ, Hosain MS, Sarwar MS et al. Analgesic and anti-inflammatory activity of methanol extract of *Xanthosoma sagittifolium*. *Journal of Pharmacognosy and Phytochemistry* 2015; 4(3): 181-185.
141. Basak A, Uddin MMN, Sarwar MS et al. Exploration of analgesic activity of the ethanolic extract of *Erythrina variegata* bark. *Journal of the Analgesics* 2015; 2 (2), 37-42.
142. Sarwar MS, Adnan T, Hossain MD et al. Evaluation of serum lipid profile in patients with hypertension living in a coastal region of Bangladesh. *Arzneimittel-Forschung/Drug Research*, 2014; 64:353-357 (PubMed). Impact Factor: 1.760.
143. Hossain MD, Sarwar MS, Dewan SM et al. Investigation of total phenolic content and antioxidant activities of *Azadirachta indica* roots. *Avicenna Journal of Phytomedicine*, 2014; 4(2): 97-102 (PubMed).
144. Bhowmick R, Sarwar MS, Dewan SM et al. In vivo analgesic, antipyretic, and anti-inflammatory potential in Swiss albino mice and in vitro thrombolytic activity of hydroalcoholic extract from *Litsea glutinosa* leaves. *Biological Research*, 2014; 47:54 (BMC). Impact Factor: 2.482.
145. Akter S, Rahman MA, Azad MAK, Sarwar MS et al. Antidiabetic and thrombolytic effects of ethanolic extract of *Spilanthes paniculata* leaves. *Journal of Plant Sciences* 2014; 2(6-1): 13-18.

- 146.** Sarwar MS, Ahmed S, Ullah MS et al. Comparative study of serum zinc, copper, manganese and iron in pre-eclamptic pregnant women. *Biological Trace Element Research*, 2013; 154(1):14-20 (Springer). Impact Factor: 2.431.
- 147.** Sarwar MS, Islam MS, Baker SME et al. Resistant hypertension: Underlying causes and treatment. *Arzneimittel-Forschung/Drug Research*, 2013; 63(5): 217-223 (PubMed). Impact Factor: 1.760.
- 148.** Nahar Z, Sarwar MS, Islam MS et al. Determination of serum antioxidant vitamins, glutathione and MDA levels in panic disorder patients. *Arzneimittel-Forschung/Drug Research, Germany*, 2013; 63:424-428 (PubMed). Impact Factor: 1.760.
- 149.** Rahman MM, Sarwar MS, Das A MS et al. Evaluation of Cytotoxic and Anthelmintic Activity of Plant Roots of *Clerodendrum viscosum* (Family: Verbenaceae). *Journal of Pharmacognosy and Phytochemistry* 2013; 2(4): 119-122.
- 150.** Hasanuzzaman M, Sayeed MSB, Islam MS, Sarwar MS et al. Preliminary antimicrobial activity and cytotoxicity of plant extracts (roots) of *Coccinia grandis* (Family: Cucurbitaceae). *International Journal of Pharmaceutical Science and Research*, 2013; 4(4): 1466-1468.
- 151.** Chowdhury ST, Mohidul AHM, Karim N, Sarwar MS, Hossain MD et al. Development and evaluation of Methocel K15M based Theophylline floating tablets. *Journal of Applied Pharmaceutical Science* 2013, 3(8): S37.
- 152.** Hossain MS, Rahaman MZ, Banik S, Sarwar MS et al. Prevalence of the metabolic syndrome in diabetic patients living in a coastal region of Bangladesh. *International Journal of Pharmaceutical Science and Research*, 2012; 3(8): 2633-2638.
- 153.** Md. Moshirur Rahman, Ahmed Rakib, Saikat Mitra, Abu Montakim Tareq, Talha Bin Emran, A. F. M. Shahid-Ud-Daula,* , Mohammad Nurul Amin,* and Jesus Simal-Gandara,*The Genus *Curcuma* and Inflammation: Overview of the Pharmacological Perspectives. *Plants* 2021, 10(1), 63; <https://doi.org/10.3390/plants10010063>. Impact Factor-2.762
- 154.** Reza, M. S., Shuvo, M. S. R., Hassan, M. M., Basher, M. A., Islam, M. A., Naznin, N. E., Jafrin, S., Ahmed, K. S., Hossain, H., & Daula, A. S. U. Antidiabetic and hepatoprotective potential of whole plant extract and isolated compounds of *Aeginetia indica*. *Biomedicine & Pharmacotherapy*, 2020, 132, 110942. Impact Factor-4.545
- 155.** Afroz, N., Hoq, M. A., Jahan, S., Islam, M. M., Ahmed, F., Shahid-Ud-Daula, A., & Hasanuzzaman, M. Methanol soluble fraction of fruits of *Annona muricata* possesses significant antidiarrheal activities. *Heliyon*, 2020; 6(1), 03112.

156. Faysal, M. A. R., Barek, M. A., Jahan, S., Shahid-Ud-Daula, A., Basher, M. A., & Hasanuzzaman, M. Petroleum Ether and Chloroform Soluble Fractions of Whole Plant Extract of *Acanthus ilicifolius* Linn. Possesses Potential Analgesic and Antioxidant Activities. *Discovery Phytomedicine*, 2020; 7(1), 12-18.
157. Ferdous, M., Daula, A. S. U., Naznin, S., Yeasmin, F., & Basher, M. A. Analgesic, anxiolytic and sedative-like activities of leaves of *Alpinia calcarata* Roscoe in mice. *Journal of Medicinal Plants Research*, 2020; 14(4), 155-163.
158. Mukta, U. H., Roy, R., Daula, A. S. U., Ferdous, M., Chowdhury, A., Mia, S., Akter, A., Liya, I. J., & Basher, M. A. Phytochemical analysis, antioxidant and antidiarrhoeal activities of methanol extract of *Fimbristylis miliacea* (L.) Vahl. *Journal of Pharmacognosy and Phytotherapy*, 2020; 12(1), 10-18.
159. Roy R, Ud-Daula AS, Akter A, Sultana S, Barek MA, Liya IJ, et al. Antipyretic and anti-nociceptive effects of methanol extract of leaves of *Fimbristylis miliacea* in mice model. *Journal of Ethnopharmacology*. 2019;243:112080. Impact Factor-3.690
160. Shahid-Ud-Daula A, Kuyah M, Kamariah A, Lim L, Ahmad N. Phytochemical and pharmacological evaluation of methanolic extracts of *Etlintera fimbriobracteata* (Zingerberaceae). *South African journal of botany*. 2019;121:45-53. Impact Factor-1.504
161. Nazmul Huda, Ud-Daula AS, Md Abdul Barek, Basher MA. In Vivo Antidepressant and Anxiolytic Effects of Methanol Extract of Leaves of *Zingiber rubens* Roxb. in Mice Model. *EC Pharmacology and Toxicology*. 2019;7(3):188-94.
162. AFMS Ud-Daula, MA Basher. Genus *Etlintera* - A review on chemical composition and antimicrobial activity of essential oils. *Journal of Medicinal Plants Research*. 2019;13(7):135-56.
163. Barek MA, Ud-Daula AS, Bhuiya MS, Huda MN, Mia MS, Basher MA. Ascertainment of Phytochemical Screening, Antidiarrheal, Thrombolytic and Antibacterial effect of Methanol Extract of Leaves of *Zingiber rubens* Roxb. *International Journal of Pharmacognosy and Phytochemical Research*. 2019;11(3):191-8.
164. Akter A, Basher MA, Roy R, Sultana S, Daula ASU. Phytochemical analysis, antioxidant, antibacterial and antidiarrheal activities of *Limnophila repens*. *Indonesian Journal of Pharmacy*. 2019;30(3):187.
165. Mahmuda Ferdous MAB, Ibrahim Khan, Feroz Ahmed, Md. Shariful Islam Sobuz, Daula ASU. Evaluation of Phytochemicals, antioxidant and antibacterial potentials of *Alpinia calcarata*. *Journal of Medicinal Plants Studies*. 2018;6(2):152-8.
166. Ud-Daula AS, Demirci F, Salim KA, Demirci B, Lim LB, Baser KHC, et al. Chemical composition, antioxidant and antimicrobial activities of essential oils from leaves, aerial stems, basal stems, and rhizomes of *Etlintera fimbriobracteata* (K. Schum.) RM Sm. *Industrial Crops and products*. 2016;84:189-98. Impact Factor-3.181

167. Shahid-Ud-Daula AFM KA, Lim LBL, Ahmad N. Phytochemical Screening, Antioxidant, and Antimicrobial Activities of Leaves, Stems, and Rhizomes of *Etligeria coccinea* (Blume) S. Sakai & Nagam. International Journal of Pharmacognosy and Phytochemical Research. 2015;7(5):873-83.
168. Uddin SN, Amin MN, Shahid-Ud-Daula A, Hossain H, Haque MM, Rahman MS, et al. Phytochemical screening and study of antioxidant and analgesic potentials of ethanolic extract of *Stephania japonica* Linn. Journal of Medicinal Plants Research. 2014;8(37):1127-33.
169. Sen CK, Binita P, Biswas BK, Shahid-Ud-Daula A. Antimicrobial activity of *Lagenaria siceraria* crude extracts obtained from its flowers. International Journal of Pharmacogonosy. 2014;6:780-4.
170. Rahman S, Alam MM, Amin M, Fakruddin M, Shahid-ud-Daula A, Siddiqui R. Antimicrobial activity and brine shrimp toxicity of methanolic whole plant extract of *Boerhavia repens* L.(Family: Nyctaginaceae). International Journal of Pharmacogonosy. 2014;4:135-39.
171. Hossain MD, Sarwar MS, Dewan SMR, Hossain MS, Shahid-Ud-Daula A, Islam MS. Investigation of total phenolic content and antioxidant activities of *Azadirachta indica* roots. Avicenna Journal of Phytomedicine. 2014;4(2):97.
172. Siddiqui R, Alam MM, Amin MR, Daula ASU, Hossain M. Screening of antimicrobial potential and brine shrimp lethality bioassay of the whole plant extract of *Spilanthes paniculata* Wall. ex DC. Stamford Journal of Microbiology. 2013;3(1):1-5.
173. Sen CK, Paul B, Biswas BK, Shahid-Ud-Daula A. Cytotoxic effect of *Lagenaria siceraria* crude extracts obtained from its flowers. International Journal Of Phytohearpy Research. 2013;3:15-21.
174. Hossain H, Karmakar UK, Biswas SK, Shahid-Ud-Daula A, Jahan IA, Adnan T, et al. Antinociceptive and antioxidant potential of the crude ethanol extract of the leaves of *Ageratum conyzoides* grown in Bangladesh. Pharmaceutical Biology. 2013;51(7):893-8. . Impact Factor-1.337
175. Dewan SMR, Amin MN, Adnan T, Uddin SN, Shahid-Ud-Daula A, Sarwar G, et al. Investigation of analgesic potential and in vitro antioxidant activity of two plants of *Asteraceae* family growing in Bangladesh. Journal Of Pharmacy Research. 2013;6(6):599-603.
176. Amin MN, Dewan SMR, Noor W, Shahid-Ud-Daula A. Characterization of chemical groups and determination of total phenolic content and in-vitro antioxidant activities of ethanolic extract of *Ocimum sanctum* leaves growing in Bangladesh. European Journal of Experimental Biology. 2013;3(1):449-54.
177. MM Hassan AS-U-D, IA Jahan, I Nimmi, T Adnan. Anti-inflammatory Activity, Total Flavonoids and Tannin Content from the Ethanolic Extract of *Ageratum conyzoides*

- Linn. Leaf. International Journal of Pharmaceutical and Phytopharmacological Research. 2012;1(5):234-41.
178. Hossain H, Shahid-Ud-Daula A, Jahan IA, Nimmi I, Maruf KR, Hassan MM. Evaluation of Anti-Inflammatory activity and determination of Total Flavonoids and Tannin contents of *Lagenaria siceraria* Root. International Journal of Pharmaceutical Sciences and Research. 2012;3(8):2679.
 179. Hossain H, Shahid-Ud-Daula A, Jahan IA, Nimmi I, Hasan K, Haq MM. Evaluation of antinociceptive and antioxidant potential from the leaves of *Spilanthes paniculata* growing in Bangladesh. International Journal of Pharmaceutical and Phytopharmacological Research. 2012;1:178-86.
 180. Hossain H, Shahid-Ud-Daula A, Hasan K, Mansur A, Haq M. Anti-inflammatory activity, total flavonoids and tannins content from the ethanolic extract of *Spilanthes paniculata* leaf growing in Bangladesh. International Journal of Pharmacy. 2012;2(2):271-7.
 181. Hossain H, Jahan IA, Shahid-Ud-Daula A, Maruf K, Moniruzzaman M. Evaluation of antinociceptive and antioxidant properties of the ethanolic extract of *Lagenaria siceraria* root from Bangladesh. Asian Journal of Pharmaceutical & Biological Research (AJPBR). 2012;2(2).
 182. Daula ASU, Siddiqui R, Alam MM, Hossain MA. Studies on the Antimicrobial Activity and Brine Shrimp Toxicity of the Leaves Extract of *Ageratum Conyzoides*. Bangladesh Journal of Microbiology. 2012;29(2):98-103.
 183. Minhajur RM, Alam MM, Daula ASU, Shahriar M, Moghal MMR, Siddiqui R. The antimicrobial activity and brine shrimp lethality bioassay of leaf extracts of *Stephania japonica* (akanadi). Bangladesh Journal of Microbiology. 2011;28(2):52-6.
 184. Shahid-Ud-Daula A, Basher MA. Phytochemical screening, plant growth inhibition, and antimicrobial activity studies of *Xylocarpus granatum*. Malaysian Journal Pharmaceutical Sciences. 2009;7(1):9-21.
 185. Mohammad S, Mizanur R. Effect of physicochemical properties on the release profile of diltiazem HCl and naproxen from HPMC and Kollidon SR based matrix tablets. Indian Journal of Pharmaceutical Education and Research. 2009;43(1):46-54.
 186. Huda NH, Jhanker YM, Shahid-Ud-Daula A, Parvin MN, Sarwar S. Comparative dissolution study of different brands of amoxicillin trihydrate capsules available in Bangladesh. Stamford Journal of Pharmaceutical Sciences. 2009;2(2):72-5.
 187. MR Hoque, R Roy, S Hosen, I Karim, T Bhowmik, A Akter, MA Basher. Sex-dependent variations in anti-nociceptive and antipyretic effects of rhizome and stem extract of *Schumannianthus dichotomus* Roxb. in male and female mice. Indonesian Journal of Pharmacy (accepted).

188. MS Reza, MSR Shuvo, MM Hasan, MA Basher, MA Islam, NE Naznin, S Jafrin, KS Ahmed, H Hossain, AFM Shahid Ud Daula. Antidiabetic and hepatoprotective potential of whole plant extract and isolated compounds of *Aeginetia indica*. *Biomedicine and Pharmacotherapy*, 2020, 132: 110942.
189. I Karim, R Roy, MR Hoque, S Hosen, T Bhowmik, IJ Liya, A Akter, MA Basher. Effect of sex differences in antinociceptive, antipyretic, hypoglycemia, hepatoprotective and antidiarrheal activities in mice model. *Journal of Pharmacy & Pharmacognosy Research*, 2020, 8(6): 569-579.
190. M Ferdous, AFM Shahid Ud Daula, S Naznin, F Yeasmin, MA Basher. Analgesic, anxiolytic and sedative-like activities of leaves of *Alpinia calcarata* Roscoe in mice. *Journal of Medicinal Plants Research*, 2020, 14(4): 155-163.
191. UH Mukta, R Roy, AFM Shahid Ud Daula, M Ferdous, A Chowdhury, S Mia, A Akter, IJ Liya, MA Basher. Phytochemical analysis, antioxidant and antidiarrhoeal activities of methanol extract of *Fimbristylis miliacea* (L.) Vahl. *Journal of Pharmacognosy and Phytotherapy*, 2020, 12(1): 10-18.
192. MAR Faysal, MA Barek, S Jahan, AFM Shahid Ud Daula, MA Basher, M Hasanuzzaman. Petroleum ether and chloroform soluble fractions of whole plant extract of *Acanthus ilicifolius* Linn. possesses potential analgesic and antioxidant activities. *Discovery Phytomedicine*, 2019, 7(1): 12-18.
193. S Naznin, M Ferdous, MS Uddin, F Yeasmin, AFM Shahid Ud Daula, MA Basher. A study on phytochemical investigation and evaluation of antioxidant potentials of *Globba marantina* (Leaves). *Journal of Medicinal Plants Studies*, 2019, 7(6): 147-153.
194. MA Barek, M Hasanuzzaman, MA Basher, Y Hossan, FA Reyadh. A review on important medicinal plants having wound healing effects available in Bangladesh and their pharmacological activities. *Academic Journal of Medicinal Plants*, 2019, 7(10): 218-227.
195. A Akter, MA Basher, R Roy, S Sultana, AFM Shahid Ud Daula. Phytochemical content, antioxidant, antibacterial and antidiarrheal activities of *Limnophila repens*. *Indonesian Journal of Pharmacy*, 2019, 30(3): 187-198.
196. R Roy, AFM Shahid Ud Daula, A Akter, S Sultana, MA Barek, IJ Liya, MA Basher. Antipyretic and anti-nociceptive effects of methanol extract of leaves of *Fimbristylis miliacea* in mice model. *Journal of Ethnopharmacology*, 2019, 243: 112080.
197. S Mia, R Roy, A Akter, MA Barek, MA Basher. Hypoglycemic effect of leaf extract of *Fimbristylis miliacea* in mice model. *Clinical Phytoscience*, 2019, 5:26.
198. MA Barek, AFM Shahid Ud Daula, MS Bhuiyan, N Huda, S Mia, MA Basher. Phytochemical screening, antidiarrheal, thrombolytic and antibacterial effect of methanol extract of leaves of *Zingiber rubens* Roxb. *International Journal of Pharmacognosy and Phytochemical Research*, 2019, 11(3):191-198.

199. AFM Shahid Ud Daula, MA Basher. Genus *Etingera*- a review on chemical composition and antimicrobial activity of essential oils. *Journal of Medicinal Plants Research*, 2019, 13(7): 135-156.
200. N Huda, AFM Shahid Ud Daula, MA Barek, MA Basher. In vivo antidepressant and anxiolytic effects of methanol extract of leaves of *Zingiber rubens* Roxb. in mice model. *EC Pharmacology & Toxicology*, 2019, 7(3): 188-194.
201. M Ferdous, MA Basher, I Khan, F Ahmed, AFM Shahid Ud Daula. Evaluation of phytochemicals, antioxidant and antibacterial potentials of *Alpinia calcarata*. *Journal of Medicinal Plant Studies*, 2018, 6(2): 152-158.
202. MA Basher, KM Rahman, P Jackson, DE Thurston, KR Fox. Sequence-selective binding of C8-linked pyrrolobenzodiazepine (PBDs) to DNA, *Biophysical Chemistry*, 2017, 230: 53-61.
203. F Brucoli, JD Guzman, MA Basher, D Evangelopoulos, E McMohan, T Munshi, TD McHugh, KR Fox, S Bhakta. DNA sequence-selective C8-linked pyrrolobenzodiazepine (PBD)-heterocyclic polyamide conjugates show anti-tubercular specific activities. *Journal of Antibiotics*, 2016, 69(12): 843-849.
204. BN Das, BK Biswas, MMR Moghal, MA Basher, M Ahmed. Study of analgesic activity of bark of *Xeromphis spinosa*. *International Journal of Comprehensive Pharmacy, Pharmacie Globale*, 2010, 2(1): 1-3.
205. AFM Shahid Ud Daula, MA Basher. Phytochemical screening, plant growth inhibition and antimicrobial activity studies of *Xylocarpus granatum*. *Malaysian Journal of Pharmaceutical Sciences*, 2009, 7(1): 9-21.
206. Aklima, Baral, P. K., Amin, M. T., Hossain, M. S. Formulation and Quality optimization of effervescent tablets of Glipizide: An approach to comfort anti-diabetic medication. *Modern Health Science*, 2020;3(2):14-21
207. Sharmin, T., Rashid, M. M. O., Uddin, M.G., Hossain, M. S., Arefin, S., Hossain, M. M. Formulation Design and Characterization of Transdermal Films of Amlodipine Besylate for Enhancing Therapeutic Efficacy. *Jordan Journal of Pharmaceutical Sciences*. 2020;13(4):379- 386
208. Siddiqui, S. A., Rashid, M. M. O, Uddin, M. G., Robel, F. N., Hossain, M. S., Haque, M. A., Jakaria, M. Biological efficacy of Zinc oxide nanoparticles against diabetes: a preliminary study conducted in mice. *Bioscience Report*. 2020, 40 (4) BSR20193972
209. Mosharraf, S., Hossain, M.S., Barek, M. A., Das, H., Ripon, M. A. R. A review on revolution of Pharmaceutical sector in Bangladesh after liberation war and future prospects and challenges. *International Journal of Pharmaceutical Investigation*. 2019;9(3):89-92
210. Hussain, M. S., Jahan, N., Rashid, M. M. O., Hossain, M. S., Chen, U., Rahman, N. Antihyperlipidemic screening and plasma uric acid reducing potential of *Momordica*

- charantia* seeds on Swiss albino mice model. *Heliyon*. 2019;5:e01739
211. Hussain, M. S., Hossain, M. S., Rashid, M. M. O. Antiobesity and Lipid lowering activity of *Vigna unguiculata* (L) Walp. seeds in high fat diet induced mice. *Journal of Pharmacy and Nutrition Sciences*. 2019;9:233-238
 212. Reyadh, F. A., Rahman, M.M., Hai, M.A., Hossain, M.S., Islam, M.A. Factors affecting the neonatal jaundice: a sample based study in Noakhali city of Bangladesh. *Journal of Noakhali Science and Technology University (JNSTU)*. 2018;2(1):71-77
 213. Banik, S., Hossain, M.S., Bhatta, R., Akter, M. Attenuation of lipid peroxidation and atherogenic factors in diabetic patients treated with gliclazide and metformin. *Journal of Research in Medical Sciences*. 2018;23:77
 214. Bhatta, R., Hossain*, M. S., Banik, S., Moghal, M. M. R. Akter, M. Swelling and mucoadhesive behavior with drug release characteristics of gastro retentive drug delivery system based on a combination of natural gum and semi synthetic polymer *Marmara pharmaceutical Journal*. 2018;22(2):286-298
 215. Billah, M. M., Rana, S. M. M., Hossain, M. S. Analysis of serum electrolyte and lipid profile in young Bangladeshi female with Type II diabetes. *Cognet Biology*. 2018; 4:1431474
 216. Ahamed, S. K., Khan, M. I. H, Billah, M. M., Hossain, M. S*. Methanol extract of *Solanum violaceum* root possesses antibobesity, hypolipidemic, thrombolytic and membrane stabilizing activities. *Marmara Pharmaceutical Journal*. 2018;22(1): 96-102
 217. Akter, M., Sen, C.K., Hossain, M. S., Chowduri, M.S.K. Quantitative evaluation of plasma proteins, lipid profile, liver and kidney function parameters after chronic administration of “PRADARANTAK LOUHA” to male Sprage-Dawley Rat. *International Journal of Pharmacy*. 2017;7(3);29-37
 218. Islam, M. M., Islam, A., Hossain, M. S. In-vivo antiemetic and antinociceptive, cytotoxic and in-vitro thrombolytic potential of methanolic extract of stem and leaves of *Jatropha gossypifolia*. *Discovery Phytomedicine*. 2017;4(4):35-40 DOI:10.15562/phytomedicine.2017.47
 219. Islam M., Islam A, Hossain M. S., Rokeya B. Biological Investigation of *Jatropha gossypifolia*: A stiff medicinal plant in Bangladesh. *Iranian Journal of Pharmaceutical Sciences*. 2017;13(1):35-48
 220. Singha, R. C., Bhatta, R., Banik, S., Hossain, M. S. In vivo pharmacological activities of methanolic extract of *Tabernaemontana recurva* Roxb. *Journal of Coastal Life Medicine*. 2017;5(9): 389-393.
 221. Akbar, S., Bhatta, R., Rahman, M. A., Hossain, M. S*, Bhuiyan, M. S., Uddin, M. G. Development and characterization of Atorvastatin Calcium sustained release tablet using Carbomer-974 and Hypromellose-15000 cps. *Journal of Scientific Research*. 9

(2):247-254, 2017. <http://dx.doi.org/10.3329/jsr.v9i2.30600>

222. Arefin, S., Hossain, M. S^{*}., Neshe S. A., Rashid, M. M., Amin, M. T., Hussain, M. S. Tartrazine induced changes in physiological and biochemical parameters in Swiss albino mice, *Mus musculus*. *Marmara Pharmaceutical Journal*. 21(3):564-569, 2017 (Q3)
223. Uddin, M. G., Hossain, M. S^{*}., Uddin, A. H. M. M., Rahman, M. A., Bhuiyan, M. S. Elemental Zinc is inversely associated with C-reactive protein and oxidative stress in chronic liver disease. *Biological Trace Element Research*. 178(2):189-193, 2017 Doi: 10.1007/s12011-016-0919-5 epub: 5 January 2017
224. Hussain, M. S., Hossain, M. S^{*}., Sen, N., Rahman, M. A., Halim, M. A. Elucidation of membrane stabilizing potentials of methanolic extract of *Vigna unguiculata* (cowpea) Linn (seed). *Discovery Phytomedicine*. 4(1):8-12, 2017. DOI:10.15562/phytomedicine.2017.35
225. Bhuiyan, M. M. K., Banik, S., Hasan, M. A., Reza, M. S., Hossain, M. S^{*}. Formulation design and *In vitro* evaluation of Carbamazepine-gastroretentive floating drug delivery system for oral application. *Marmara Pharmaceutical Journal*. 21(1):59-66, 2017. Doi: 10.12991/marupj.259882
226. Neshe, S. A., Arefin, S., Hussain, M. S., Das, A., Karmakar, P., Hossain, M. S. Safety evaluation of chocolate brown dye in *Swiss albino* mice. *Journal of Nutritional disorders & therapy*. 6:195, 2016 doi:10.4172/2161-0509.1000195
227. Afrin, F., Banik, S., Hossain, M. S^{*}. Pharmacological activities of methanol extract of *Phyllanthus acidus* pulp. *Journal of medicinal plant research*. 10(43):790-795, 2016 doi: 10.5897/JMPR2015.5806
228. Mukul, M. E. H., Hossain, M. S^{*}., Ahamed, S. K., Debnath, P., Akter, M. Antioxidant and membrane stabilizing activities of bark of *Sonneratia apetala*. *Bangladesh Pharmaceutical Journal*. 19(2): 147-151, 2016.
229. Hussain, M. S., Hossain, M. S., Amin, M. T., Millat, M. S. *In vitro* thrombolytic potentials of methanolic extract of *Vigna unguiculata* Linn (seed). *Journal of Pharmacognosy and Phytochemistry*, 5(3): 129-131, 2016
230. Sultana, A., Banik, S., Hossain, M. S^{*}., Billah, M. M., Afrin, F. The Prevalence of Childhood Overweight and Obesity in the Children of Noakhali City in Bangladesh. Article ID 216173, *Journal of Research in Obesity*, 2016: 2016. DOI: 10.5171/2016.216173
231. Sarker, A., Banik, S., Hussain, M. S., Ghosh, A., Hossain, M. S. In-vitro and In-vivo pharmacological activities with phytochemical evaluation of methanolic extract of *Microcos paniculata* stem bark. Article no 142376, *Current Drug Therapy*, 11. E-pub ahead of print. 2016
232. Haider, T., Nath, A., K., Amin, M. N., Ibrahim, M., Chowdhury, M. I., Mukul, M. E.

- H., Rashed, M. S. U., Kabir, S., Ahmed. M., Hossain, M. S*. Evaluation of antioxidants, membrane stabilizing, cytotoxic and anthelmintic activity of phytochemical screening of *Chromolaenaodorata*: A medicinal shrub. *International Journal of Pharmacy*, 6(1): 53-61, 2016
- 233.** Sharmin, T., Akter, M., Hossain, M. S. Analytical method development and validation of Secnidazole in the tablet dosage form by RP-HPLC method. *International Current Pharmaceutical Journal*. 5(4): 41-44, 2016 (March)
- 234.** Hassan, M. A. Sultana, S., Banik, S., Bhuiyan, M. M. K., Reza, M. S., Hossain, M. S*. Formulation and In-Vitro characterization of Hydrochlorothiazide gastroretentive floating drug delivery system. *Dhaka University Journal of Pharmaceutical Sciences*. 14(2): 163-170, 2015 (December)
- 235.** Billah, M. M., Rana, S. M. M., Hossain, M. S.*Ahamed, S. K., Banik, S, Hasan, M. Ciprofloxacin residue and their impact on biomolecules in eggs of laying hens following oral administration. *International Journal of Food Contamination*. 2:13, 2015. Doi: 10.1186/s40550-015-0019-x
- 236.** Kar, A., Amin, M. N., Hossain, M. S*.,Mukul, M. M. H., Rashed, M. S. U., Ibrahim, M. Quality analysis of different marketed brands of paracetamol available in Bangladesh. *International Current Pharmaceutical Journal*. 4(9): 432-435, August 2015
- 237.** Ali, M. R., Hossain, M. S., Islam, M. A., Arman, M. S. I., Raju, G. S., Dasgupta, P., Noshin, T. F.Aspect of Thrombolytic therapy: A review.*The world Scientific Journal*. Article ID 586510, 2014. <http://dx.doi.org/10.1155/2014/586510>
- 238.** Raju, G. S., Moghal, M. M. R., Hossain, M. S., Hassan, M. M., Billah, M. M., Ahamed, S. K., Rana, S. M. M. Assessment of pharmacological activities of two medicinal plant of Bangladesh: *Launaeasamentosa* and *Aegialitisrotundifoliaroxb*. in the management of pain, pyrexia and inflammation. *Biological Research*. 10/2014:47 doi:10.1186/0717-6287-47-55
- 239.** Rana, S. M. M., Billah, M. M., Hossain, M. S. *,Saifudin, A. K. M., Islam, S. K. M. A., Banik, S., Naim, Z., Raju, G. S. Susceptibility of microorganism to selected medicinal plants in Bangladesh. *Asian Pacific Journal of Tropical Biomedicine*.4 (11): 911-917, 2014 doi: 10.12980/APJTB.4.201414B362
- 240.** Hussain, F., Islam, M. A., Bulbul, L., Moghal, M. M. R., Hossain, M. S. In vitro Thrombolytic Potentials of Root Extracts of Four Medicinal Plants Available in Bangladesh. *Ancient Science of Life*. 33(3): 162-164, 2014. DOI:10.4103/0257-7941.144620
- 241.** Banik, S., Hossain, M. S. Comparative overview on good fats and bad fats: guide to control healthy body. *International Journal of Health*, 2 (2), 41-44, 2014 doi: 10.14419/ijh.v2i2.2903

242. Billah, M. M., Rana, S. M. M., Hossain, M. S^{*}, Saifuddin, A. K. M., Islam, S. K. M. A., Naim, N., and Barua, S. Determination of the presence and pharmacokinetic profile of ciprofloxacin by TLC and HPLC method respectively in broiler chicken after single oral administration. *Journal of Antibiotics*. 67; 745-748 (Epub, May 7), 2014; doi:10.1038/ja.2014.56
243. Shill, K. B., Karmakar, P., Kibria, M. G., Das, A., Rahman, M. A., Hossain, M. S., Sattar, M. M. Prevalence of Iron deficiency anemia among the university students in Noakhali region, Bangladesh. *Journal of Nutrition and Health Population*, 32(1), 103-110, March, 2014
244. Hussain, F., Ganguly, A., Hossain, M. S., and Rahman, S. M. A. Analgesic and Anti-diarrhoeal Activities of *Lagerstroemia speciosa* Roots in Experimental Animal Model. *Dhaka University Journal of Pharmaceutical Sciences*, 13(1), 57- 62, 2014
245. Majumder, M. S., Hossain, M. S., Amin, M. N., Moghal, M. M. R., Banik, S., Hossain, M. M. Characterization of chemical groups and study of antioxidant, antimicrobial and thrombolytic activities of *aphanamixispolystachya* (stem bark). *World Journal of Pharmacy and Pharmaceutical Sciences*, 3(5), 58-72, 2014
246. Ahamed, S. K., Banik, S., Hossain, M. S. *In-vitro* release characterization of Ketorolactromethamine loaded matrix tablets. *International Journal of Pharmaceutical Science and Research*, 4(3), 1-8, 2013
247. Rahman, M. Z., Ahamed, S. K., Banik, S., Hossain, M. S. Release profile of losartan potassium from formulated sustained release matrix tablet. *Bangladesh Pharmaceutical Journal*. 16(2), 181-187, 2013
248. Banik, S., Kaiser, M. M., Hossain, M. S. Development and validation of a simple and rapid UV spectrophotometric method for assay of Linagliptin in bulk and marketed dosage form. *Indian Journal of Novel Drug Delivery*, 5(4), 221-224, Oct-Dec. 2013
249. Mukul, M. E. H., Ahamed, S. K., Akter, M., Hossain, M. S. Fabrication and Evaluation of Sustained Release Mucoadhesive Losartan Potassium Matrix Tablets. *Bangladesh Pharmaceutical Journal*. 16(2), 153-157, 2013
250. Sultana, P., Ahamed S. K., Hossain, M. S. Evaluation of some marketed cosmetic products available in Bangladesh. *IJPI's Journal of Pharmaceutics and Cosmetology*, 3(13), 23-28, 2013
251. Hossain, M. S., Banik, S., Islam, M. S. Formulation design and characterization of Kollidon SR based Trimetazidine Dihydrochloride matrix tablets. *Indian Journal of Pharmaceutical Education and Research*. 2012; 46 (2): 137-144
252. Hossain, M. S., Nishimura, K., Jisaka, M., Nagaya, T., Yokota, K. Prostaglandin J₂ series induce the gene expression of monocyte chemoattractant protein-1 during the maturation phase of cultured adipocytes. *Gene*, 502, 138-141, 2012
253. Hossain, M. S., Chowdhury, A. A., Rahman, M. S., Nishimura, K., Jisaka, M., Nagaya,

- T., Shono, F., Yokota, K. Stable expression of lipocalin-type prostaglandin D synthase in cultured preadipocytes impairs adipogenesis program independently of endogenous prostanoids. *Experimental Cell Research*, 318, 408-415, 2012
- 254.** Syeda, P. K., Hossain, M. S., Chowdhury, A. A., Rahman, M. S., Khan, F., Nishimura, K., Jisaka, M., Nagaya, T., Shono, F., Yokota, K. Monoclonal antibody specific for Δ^{12} -prostaglandin J₂ and its utilization in the immunological assay of the product in cell culture system of adipocytes. *Hybridoma (Larchmt)*, 3(5), 364-371, 2012
- 255.** Syeda, P. K., Hossain, M. S., Chowdhury, A. A., Rahman, M. S., Nishimura, K., Jisaka, M., Nagaya, T., Shono, F., Yokota, K. Generation of Monoclonal Antibody for 15-deoxy- $\Delta(12,14)$ -Prostaglandin J (2) and Development of Enzyme-Linked Immunosorbent Assay for Its Quantification in Culture Medium of Adipocytes. *Applied Biochemistry and Biotechnology*, Epub, Mar , 167:1107-1118, 2012
- 256.** Hossain, M. S., Rahaman, M. Z., Banik, S., Sarwar, M. S., Yokota, K. Prevalence of metabolic syndrome among the diabetes patients living in a coastal region of Bangladesh. *International Journal of Pharmaceutical Sciences and Research*, 3(8), 2633-2638, 2012
- 257.** Karmakar, P., Islam, M. M., Kibria, M. G., Hossain, M. S., Sattar, M. M. Prevalence, belief and awareness of preferring traditional healthcare system in urban and rural people of Noakhali district Bangladesh. *International Current Pharmaceutical Journal*, 1(9), 229-234, 2012
- 258.** Sarwar, M. S, Hossain, M. S. Development and evaluation of sustained release losartan potassium matrix tablet using kollidon SR as release retardant. *Brazilian Journal of Pharmaceutical Sciences*, 48 (4), 261-268, 2012
- 259.** Akter, M., Banik, S, Hossain, M. S. In Vitro Evaluation of Oral Extended Release Drug Delivery System for Metoprolol Succinate Using Kollidon SR. *Journal of Applied Pharmaceutical Sciences*, 02 (05), 188-192, 2012.
- 260.** Das, U., Hossain, M. S. Effects of Release Modifier on Carvedilol Release from KollidonSR Based Matrix. *International Current Pharmaceutical Journal*. 1(8), 186-192, 2012.
- 261.** Sultana, J., Hossain, M. S., Sayeed, M. S. Ashraful Islam, S. M. A., Islam, M. S. Modification of Ciprofloxacin HCl release from Povidone K-30 based Matrix as a Function of Avicel pH 101. *Indian Journal of Novel Drug delivery*, 4(2), 145-150, Apr-Jun, 2012;
- 262.** Hossain, M. S., Chowdhury, A. A., Rahman, M. S., Nishimura, K., Jisaka, M. Nagaya, T., Shono, F., Yokota, K. Development of enzyme-linked immunosorbent assay for Δ^{12} -prostaglandin J₂ and its application to the measurement of the endogenous product generated by cultured adipocytes during the maturation phase. *Prostaglandins & Other Lipid Mediators*, 94, 73-80, 2011

263. Hossain, M. S., Chowdhury, A. A., Rahman, M. S., Syeda, P. K., Nishimura, K., Jisaka, M., Nagaya, T., Shono, F., Yokota, K. Comparative study regarding the endogenous synthesis of prostaglandin J₂ series and their contribution to up-regulation of adipogenesis during the maturation phase in cultured adipocytes. *ShishitsuSeikagakuKenkyu*, 53, 246-249, 2011
264. Chowdhury, A. A., Hossain, M. S., Rahman, M. S., Nishimura, K., Jisaka, M., Nagaya, T., Shono, F., Yokota, K. Sustained expression of lipocaline-type prostaglandin D synthase in the antisense direction positively regulates adipogenesis in cloned cultured preadipocytes. *Biochemical and Biophysical Research Communications*. 411 (2), 287-292, 2011
265. Akter, N., Hossain, M. J., Hossain, M. S. Protein structure alignment using dynamic programming. *International Journal of Pharmacy and Pharmaceutical Sciences*, 3 (4), 73-76, 2011
266. Rita Bhatta, R., Hossain, M. S. Evaluation of Kollidon SR based Ketorolac Tromethamine Loaded Transdermal Film. *Journal of Applied Pharmaceutical Sciences*, 01(08), 123-127, 2011.
267. Chowdhury, A. A., Hossain, M. S., Nishimura, K., Jisaka, M., Nagaya, T., Shono, F., Yokota, K. Interacting effect of 15-deoxy- $\Delta^{12,14}$ -prostaglandin J₂ on the arachidonate cyclooxygenase pathway to generate prostaglandins E₂ and F_{2 α} in preadipocytes. *Stud. Biochem. Lipids (ShishitsuSeikagakuKenkyu)*, 50, 214-217, 2008
268. Hossain, M. S., Islam, M. S. Preparation and characterization of Ibuprofen matrix tablet based on Kollidon SR and Carnuba wax. *University of Science and Technology Annual (USTA)*, 13(1), 86-92, 2007
269. Islam, M. S., Hossain, M. S. Formulation and In vitro evaluation of extended-release matrix tablet of Diltiazem Hydrochloride: Influence of hydrophilic and hydrophobic matrix former. *University of Science and Technology Annual (USTA)*, 13(1), 45-54, 2007.
270. Hossain, M. S., Jalil, R., Reza, M. S., Qadir, M. A., Hossain, C. F. Evaluation of Kollicoat SR 30D and Kollicoat EMM 30D as matrix former for Controlled release drug delivery. *Dhaka University Journal of Pharmaceutical Sciences*, 4(1), 53-71, 2005
271. Sanjida, S., Abusyed, M., Ahmed, T., Chowdhury, A. A., Chowdhury, J. A., Hossain, M. S., Kawsar, M. H. Effect of Kollidon SR and Carboxy Methyl Cellulose (CMC) on the release kinetics of Diclofenac Sodium matrix tablet. *University of Science and Technology Annual (USTA)*, 11 (1), 85-96, 2005.
272. Jesmin, F., Kawsar, M. H., Hoque, T., Mazumder, K., Ahmed, T., Hossain, M. S., Sayeed, M. A. In vitro Antibacterial activity of *Ferriolimonium* (Linn) Sw. *University of Science and Technology Annual (USTA)*, 11 (1), 105-107, 2005.
273. Rahman FI, Hussain F, Saqueeb N, Rahman SA. Synthesis and evaluation of

- pharmacological activities of some 3-O-benzyl-4-C-(hydroxymethyl)-1, 2-O-isopropylidene- α -D-ribofuranose derivatives as potential anti-inflammatory agents and analgesics. *Research in Pharmaceutical Sciences*. 2020 Jun;15(3):209.
274. Arafat SMY, Hussain F, Kar SK, Menon V, Yuen KF. How far has panic buying been studied? *World Journal of Meta-Analysis*. 2020 Dec; 8(6): 446-460.
275. Md. Mamun Or Rashid, Md. Mizanur Rahman Moghal, Md. Masum Billah, Moynul Hasan, Masahito Yamazaki. Effect of membrane potential on pore formation by the antimicrobial peptide magainin 2 in lipid bilayers. *Biochimica et Biophysica Acta (BBA) - Biomembranes*; 2020, 1862(10): 183381. <https://doi.org/10.1016/j.bbamem.2020.183381>
276. Shafayet Ahmed Siddiqui, Md. Mamun Or Rashid, Md. Giash Uddin, Fataha Nur Robel, Mohammad Salim Hossain, Md. Azizul Haque, Md. Jakaria. Biological efficacy of zinc oxide nanoparticles against diabetes: a preliminary study conducted in mice. *Bioscience Report*; 2020, 40(4): BSR20193972. <https://doi.org/10.1042/BSR20193972>
277. Md. Saddam Hussain, Nusrat Jahan, Md. Mamun Or Rashid, Mohammad Salim Hossain, Umay Chen, Naimur Rahman. Antihyperlipidemic screening and plasma uric acid reducing potential of *Momordica charantia* seeds on Swiss albino mice model. *Heliyon*; 2019, 5(5): e01739. DOI: 10.1016/j.heliyon.2019.e01739
278. Md. Saddam Hussain, Mohammad Salim Hossain, Md. Mamun Or Rashid. Antiobesity and Lipid Lowering Activity of *Vigna unguiculata* (L) Walp. Seed in High Fat Diet Induced Obese Mice. *Journal of Pharmacy and Nutrition Sciences*; 2019, 9 (4).
279. Tutun Das Aka, Md. Mamun Or Rashid, Shujit Chandra Paul, Md. Abdul Halim. A review on molecular neuropathology of Alzheimer's disease in association with aging. *Journal of Research in Pharmacy*; 2019, 23(1):1-15. DOI: 10.12991/jrp.2018.103
280. Md. Maimun Hossain, Tutun Das Aka, Mohammad Saydur Rahman, A.H.M. Mazbah Uddin, Naimur Rahman, Md. Mamun Or Rashid. Neuropharmacological activity of the crude ethanolic extract of *Syzygium aromaticum* flowering bud. *Discovery Phytomedicine*. 2019; 6(4): 191-198.
281. [Tusnova Sharmin](#), [Razia Sultana](#), [Farzana Hossain](#), [Shahriar Kabir Shakil](#), [Foysal Hossen](#), [Md. Mamun Or Rashid](#). Neuropharmacological and antibacterial effects of the ethyl acetate extract of *Diospyros malabarica* (Ebenaceae) seeds. *Clinical Phytoscience*. 2018; 4: 22. DOI: <https://doi.org/10.1186/s40816-018-0083-x>
282. Rita Bhatta, Mohammad Salim Hossain, Sujan Banik, Md. Mizanur Rahman Moghal, Md. Mamun Or Rashid, Mariyam Akter. Swelling and mucoadhesive behavior with drug release characteristics of gastoretentive drug delivery system based on a combination of natural gum and semi-synthetic polymers. *Marmara Pharmaceutical Journal*. 2018; 22(2): 286-298. DOI: 10.12991/mpj.2018.66
283. K. M. Ruhul Amin, Md. Giash Uddin, Md. Mamun Or Rashid, Tusnova Sharmin. New

- insight in neuropharmacological activities of *Dioscorea alata*. *Discovery Phytomedicine*. 2018; 5(1): 1-6.
284. Sharmin Akter, Rubaiya Anjum, Md. Monir Hossain, Md. Saddam Hussain, Md. Mamun Or Rashid. Thrombolytic, Membrane stabilizing, Analgesic activities along with phytochemical screening of the methanolic extract of *Xanthium Indicum* koenig fruits. *Bagcilar Medical Bulletin*. 2018; 3(1): 1-6.
285. Sayema Arefin, Mohammad Salim Hossain, Shamme Akhter Neshe, Md. Mamun Or Rashid, Mohammad Tohidul Amin, Md. Saddam Hussain. Tartrazine induced changes in physiological and biochemical parameters in Swiss albino mice, *Mus musculus*. *Marmara Pharmaceutical Journal*. 2017; 21(3): 564-564. DOI: 10.12991/marupj.319304
286. Md. Mamunur Rashid, Md. Saddam Hussain, Md. Mamun Or Rashid, Md. Abdul Halim, Niloy Sen, Md. Shalahuddin Millat, Md. Al-Amin Sarkar. In vivo analgesic potential in swiss albino mice and in vitro thrombolytic and membrane stabilizing activities of methanolic extract from *Suaeda Maritima* whole plant. *Bagcilar Medical Bulletin*. 2017; 2(1): 13-18.
287. [Md. Mamun Or Rashid](#), [Kazi Nahid Akhter](#), [Jakir Ahmed Chowdhury](#), [Foysal Hossen](#), [Md. Saddam Hussain](#), [Md. Tanvir Hossain](#). Characterization of phytoconstituents and evaluation of antimicrobial activity of silver-extract nanoparticles synthesized from *Momordica charantia* fruit extract. *BMC Complementary and Alternative Medicine*. 2017; 17: 336. DOI: 10.1186/s12906-017-1843-8
288. [Md. Mamun Or Rashid](#), [Jannatul Ferdous](#), [Sujan Banik](#), [Md. Rabiul Islam](#), [A.H.M. Mazbah Uddin](#), [Fataha Nur Robel](#). Anthelmintic activity of silver-extract nanoparticles synthesized from the combination of silver nanoparticles and *M. charantia* fruit extract. *BMC Complementary and Alternative Medicine*. 2016; 16: 242. DOI: 10.1186/s12906-016-1219-5
289. Md. Mamun Or Rashid, Md. Shafiul Islam, Md. Azizul Haque, Md. Arifur Rahman, Md. Tanvir Hossain, Md. Abdul Hamid. Antibacterial activity of polyaniline coated silver nanoparticles synthesized from *Piper betle* leaves extract. *Iranian Journal of Pharmaceutical Research*. 2016; 15(2), 591-597. PMID: 27642330
290. R. Akter, S. Banik, A. Ghosh, M. M. O. Rashid. Optimized and Validated RP-HPLC Method for the Determination of Clopidogrel in Bulk and Pharmaceutical Formulation. *Journal of Scientific Research*. 2016; 8(3), 439-446.
291. Md. Mamun Or Rashid, Mohammad Ruhul Amin, Mohammed Mehadi Hassan Chowdhury, Md. Arifur Rahman, Md. Shamim. Comparative Study on the Antibacterial Activity of Four Medicinal Plants Leaves of Different Ages. *International Journal of Pharmaceutical Science Invention*. 2014; 3(3), 26-32.
292. Syed Sami-ul Haque, Md. Mamun Or Rashid, Md. Akhtaruzzaman Prodhan, Sadia

- Noor, Atanu Das. In vitro evaluation of antimicrobial, cytotoxic and antioxidant activities of Crude methanolic extract and other fractions of *Sterculia villosa* barks. *Journal of Applied Pharmaceutical Science*. 2014; 4(3), 35-40.
- 293.** Md. Arifur Rahman, Papeya Sultana, Md. Sahidul Islam, Md. Toslim Mahmud, Md. Mamun Or Rashid and Foysal Hossen. Comparative antimicrobial activity of Areca catechu nut extracts using different extracting solvents. *Bangladesh Journal of Microbiology*. 2014; 31 (1 and 2), 19-23.
- 294.** Md. Rakib Uddin, Md. Mamun Or Rashid, Md. Raqibul Alam. In-vitro evaluation of oral extended release drug delivery system for Trimetazidine Dihydrochloride using Methocel polymers. *International Journal of Pharmacy and Pharmaceutical Sciences*. 2013, 5(4), 329-339.
- 295.** Anup Kumar Dey, Md. Mamun Or Rashid, Md. Shalahuddin Millat, Md. Mamunur Rashid. Ethnobotanical survey of medicinal plants used by traditional health practitioners and indigenous people in different districts of Chittagong division, Bangladesh. *International Journal of Pharmaceutical Science Invention*. 2014, 3(7), 01-07.
- 296.** Md. Arif Uddin, Md. Rakib Uddin, Md. Raqibul Alam, Md. Mamun Or Rashid, Md. Hasan Reyad. In vitro release kinetics study of Tramadol HCl sustained release matrix tablet from HPMC K15M. *International Journal of Pharmaceutical Science and Research*. 2012, 3(12), 4975-4981.
- 297.** Foysal Hossen, Md. Mamun Or Rashid, Mohammad Morshad Alam, Mir Salma Akter, Md. Tanvir Hossain, Kazi Nahid Akhter. Antibacterial activity of *Areca Catechu L.* fruit extract loaded silver nanoparticles. 2015, 4(12), 258-266.