



MD. MAHMUDUL HASAN
Address: Taylor's University, Malaysia
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EDUCATION

Ph.D. in Pharmacology January 2018- Present
Taylor's University Malaysia
Thesis title: Role of bioactive molecules on cardio-metabolic functioning in MyD88 dependent TLR-4 downstream signaling pathways: Therapeutic and molecular approach.

Master of Pharmacy (M Pharm) February 2014- September 2016
International Islamic University Malaysia (IIUM) Malaysia
Thesis: Phytochemical investigation of the stems of *Tetracera indica* merr. and *in vitro* antidiabetic evaluation of isolated compounds.
Advisor: Associate Professor Dr. Qamar Uddin Ahmed, Associate Professor Dr. Siti Zaiton Mat So'ad and Associate Professor Dr. Muhammad Taher

Bachelor of Pharmacy(B Pharm) September 2008- June 2013
North South University Dhaka, Bangladesh

WORK EXPERIENCE

Ph.D. Research Fellow January, 2018–Present
Taylor's University, Malaysia

- Tutorship to the undergraduate students
- Writing research proposal, progress report, research paper
- Procurement of chemicals and perform experiments such as western blot, high content screening, real time cell analysis etc.

Research Assistant-International Islamic University Malaysia Feb1, 2014– October, 2015
A Malaysian government research grant by Ministry of Higher Education (MOHE) Malaysia

In-plant Trainee-Sanofi Bangladesh July 1, 2012- July23, 2012
Dhaka, Bangladesh

- Worked as English-Bangla interpreter

PEER-REVIEWED PUBLICATIONS

- **Md.Mahmudul Hasan**, Qamar Uddin Ahmed, Siti Zaiton Mat Soad, Tasnuva Sarwar Tunna, 'Animal models and natural products to investigate *in vivo* and *in vitro* antidiabetic activity' (**Biomedicine and Pharmacotherapy**,101 (2018), 833-841.<https://doi.org/10.1016/j.biopha.2018.02.137>[**ISI Impact factor: 2.759 (Q2)**])
- Qamar Uddin Ahmed, Alhassan Muhammad Alhassan, Syed Adnan Ali Shah, Alfi Khatib, **Md. Mahmudul Hasan** and Murni Nazira Sarian, 'Antiradical and Xanthine Oxidase Inhibitory Activity Evaluations of *Averrhoa Bilimbi* L. Leaves and Identification of Bioactive Constituents Through *LC-QTOF-MS/MS and Molecular Docking Approach*';**Antioxidants** 2018, 7(10), 137; <https://doi.org/10.3390/antiox7100137> **Antioxidants** [**ISI Q1(MDPI Publisher)**]
- **Md.Mahmudul Hasan**, Qamar Uddin Ahmed, Siti Zaiton Mat Soad, Jalifah Latip, Muhammad Taher, Tengku Muhamad Faris Syafiq, Murni Nazira Sarian, Alhassan Muhammad Alhassan, and Zainul Amiruddin Zakaria, 'Flavonoids from Tetracera Indica Merr. Induce Adipogenesis and Exert Glucose Uptake Activities in 3t3-L1 Adipocyte Cells', BMC Complementary and Alternative Medicine, 17 (2017), 431.<https://doi.org/10.1186/s12906-017-1929-3> [**ISI Impact factor: 2.288 (Q1 Rank 6 out of 25)**]
- T. S. Tunna, I. S. M. Zaidul, Q. U. Ahmed, K. Ghafoor, F. Y. Al-Juhaimi, M. S. Uddin, **M. Hasan**, and S. Ferdous, 'Analyses and Profiling of Extract and Fractions of Neglected Weed Mimosa Pudica Linn. Traditionally Used in Southeast Asia to Treat Diabetes', South African Journal of Botany, 99 (2015), 144-52. <https://doi.org/10.1016/j.sajb.2015.02.016> [**ISI Impact factor: 0.978 (Q2)**]

RESEARCH SKILL

- Molecular work: Western blot, Real-time cell analysis(RTCA), High Content Screening(HCS), Holomonitor Analysis
- Structure elucidation of compounds (NMR, IR, Mass, UV Spectroscopy)
- Cell Culture (MTT viability assay, Differentiation, Glucose uptake)
- Isolation of Plant Compounds (Column Chromatography)
- Animal Handling (Rat, Mouse), CNS Test and Gut Perfusion Test

SOCIAL MEDIA

- Google Scholar: Citations 21 (Till 18th Jan,2019) <https://scholar.google.com/citations?user=P41qnlMAAAAJ&hl=en>
- Youtube channel: Hasan's Virtual lab (https://www.youtube.com/channel/UCfIu2y9XN4SQi6rTWtxwala?view_as=subscriber)
- ORCID: <https://orcid.org/0000-0001-9327-0437>
- Researchgate: https://www.researchgate.net/profile/Md_Mahmudul_Hasan3