

## MUHAMMAD HAFIZ HUSNA BIN HASNAN

MSc (Natural Products Chemistry), 2014  
B.Edu. (Hons) (Science Education, Chemistry), 2010  
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### Major Recognition:

- Best Poster Presenter “The 4th International Seminar on Chemistry”, Bandung, Indonesia, 2017
- Best Oral Presenter (Chemistry) “Kolokium Kebangsaan Pasca Siswazah Sains dan Matematik 2012”, Tanjong Malim, Perak, Malaysia 2012

### Research Interest

Natural Products Chemistry, Corrosion Inhibitor, Chemistry Education

### Research Highlight

- Isolation and structural elucidation of bioactive natural compounds
- Development of corrosion inhibitor from natural compounds
- Development of student activities module for STEM Education

### Representative (featured) Publications:

1. Ablat A., Halabi M.F., Mohamad J., Hasnan M.H.H., Hazni H., The S.H., Shilpi J.A., Mohamed Z. and Awang K., Antidiabetic effects of Brucea javanica seeds in type 2 diabetic rats, *Complementary and Alternative Medicine* (2017) 17:94, DOI 10.1186/s12906-017-1610-x
2. Fareza M.S., Nurlelasari, Supratman U., Katja D.G., Hasnan M.H.H. and Awang K. (2019). 1,1,4,7-Tetramethyldecahydro-1H-cyclopropa[e]azulen-7-ol from the Stembark *Chisocheton pentandrus*. *Molbank*, M1092; DOI:10.3390/M1092
3. Jauah N.M., Nafiah M.A., Hasnan M.H.H., Tan S.P. (2019). Anti-Diabetic Activity and Nuclear Magnetic Resonance (NMR) Characterization of Natural Esters from Hexane and Dichloromethane Crude Extracts from Calyces of *Hibiscus sabdariffa* Linn. *International Journal of Recent Technology and Engineering*, 8(2S7), 102-105. DOI: 10.35940/ijrte. B1022.0782S719
4. Yakubu S.A., Hussin M.H., Rahim A.A., Azmi M.N., Hasnan M.H.H., Awang K. Characterization and phytochemical studies of *Dryobalanops aromatica* bark extract as a green rust converter. *Journal of Corrosion Science and Engineering* (2019). Volume 22, Preprint 36. ISSN 1466-8858
5. Awang K., Hasnan M.H.H., Liew S.Y., Zahari A., Ahmad A, Mokhtar S.F.N., Zainon S.Z.B. & Munuswamy T. In Saat R.M. & Fadzil H.M. (Eds.). *Detection of Alkaloid Compounds in Plants; Development of Scientist-Teacher-Students Partnership (STSP) Model to Enhance Secondary Science Learning FRGS (FP019-2015A) | Student's Module* (2019) Fakulti Pendidikan, Universiti Malaya. eISBN: e978-967-2182-17-7

### Professional Activities:

Malaysian Natural Product Society

### Website:

<https://www.researchgate.net/profile/Muhammad-Hafiz-Husna-Hasnan>