

PROFILE		
1	NAME	FAZLIN BTE MOHD FAUZI
2	ACADEMIC POSITION	Associate Professor
3	STATUS OF APPOINTMENT	Permanent
4	CITIZENSHIP	Malaysian
5	EDUCATION	PhD (Cheminformatics), University of Cambridge – 2015; Masters in Research (Cheminformatics), University of Sheffield, 2010 Bachelor of Pharmacy, Curtin University – 2008.
6	WORKING EXPERIENCE	<ul style="list-style-type: none"> ● Associate Professor (DUF53) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 8 March 2021- Present ● Lecturer (DM51) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 29 April 2015-7 March 2021
7	CURRENT ACADEMIC RESPONSIBILITIES	<ul style="list-style-type: none"> ● PHC511 (Resource Person) ● PHC631 ● PHC630 ● PHC614
8	RESEARCH INTERESTS/ PROJECTS	<ul style="list-style-type: none"> ● Cheminformatics ● Machine Learning
9	PUBLICATIONS	<p>Abdullah, Z. L.; Chee, H.-Y.; Yusof, R.; Mohd Fauzi, F. Finding Lead Compounds for Dengue Antivirals from a Collection of Old Drugs through In Silico Target Prediction and Subsequent In Vitro Validation. <i>ACS Omega</i> 2023. DOI: 10.1021/acsomega.3c02607.</p> <p>Mohamed Yusof, N. I. S.; Awaluddin, A. N.; Mohd Fauzi, F. Insight into the Structure and Physicochemical Properties of Potent Chemokine Receptor 5 Inhibitors for the Discovery of Novel Alzheimer's Disease Drugs. <i>Cent. Nerv. Syst. Agents Med. Chem.</i> 2023, 23, 1-14. DOI: http://dx.doi.org/10.2174/1871524923666230726102846.</p> <p>Zulkifli MH, Abdullah ZL, Mohamed Yusof NIS, Mohd Fauzi F: In silico toxicity studies of traditional Chinese herbal medicine: A mini review. <i>Curr. Opin. Struct. Biol.</i> 2023, 80 102588.</p> <p>Nazri MA, Fajri FaA, Zulkifli MH, Fauzi FM: Exploring the Genetic Differences Between Small Cell and Non-small Cell Lung Cancer Using Bioinformatic Approaches: A Preliminary Study. <i>Proceedings</i></p>

of the 4th International Conference Current Breakthrough in Pharmacy (ICB-Pharma 2022) 2022, doi:10.2991/978-94-6463-050-3_34 389-418.

Paudel P, Park SE, Seong SH, Fauzi FM, Jung HA, Choi JS: Bromophenols from *Symphycycladia latiuscula* (Harvey) Yamada as Novel Cholecystokinin 2 Receptor Antagonists. *JIN* 2023, 22(1):

Yusof, N. I. S. M.; Abdullah, Z. L.; Othman, N.; Mohd Fauzi, F.. Structure–Activity Relationship Analysis of Flavonoids and Its Inhibitory Activity Against BACE1 Enzyme Toward a Better Therapy for Alzheimer’s Disease. *Frontiers in Chemistry* 2022, 10.

Fajri, F. A. A.; Nazri, M. A.; Zulkifli, M. H.; Mohd Fauzi, F. . Exploring the Genetic Differences Between Primary and Metastatic Prostate Cancer using Bioinformatic Approaches: A Preliminary Study. *International Journal of Pharmaceuticals, Nutraceuticals and Cosmetic Science* 2022, 5 (1), 48-66

Prajapati R, Park SE, Seong SH, Paudel P, Mohd Fauzi F, Jung HA, Choi JS. Monoamine Oxidase Inhibition by Major Tanshinones from *Salvia miltiorrhiza* and Selective Muscarinic Acetylcholine M4 Receptor Antagonism by Tanshinone I. *Biomolecules*. 2021 Jul 8;11(7):1001.

Paudel, P.; Shrestha, S.; Park, S. E.; Seong, S. H.; Mohd Fauzi, F.; Jung, H. A.; Choi, J. S., Emodin Derivatives as Multi-Target-Directed Ligands Inhibiting Monoamine Oxidase and Antagonizing Vasopressin V1A Receptors. *ACS Omega* 2020, 5, (41), 26720-26731

Park, S. E.; Paudel, P.; Wagle, A.; Seong, S. H.; Kim, H. R.; Mohd Fauzi, F.; Jung, H. A.; Choi, J. S., Luteolin, a Potent Human Monoamine Oxidase-A Inhibitor and Dopamine D4 and Vasopressin V1A Receptor Antagonist. *J. Agric. Food Chem.* 2020, 68, (39), 10719-10729

Paudel, P.; Seong, S. H.; Mohd Fauzi, F. M.; Bender, A.; Jung, H. A.; Choi, J. S., Establishing GPCR Targets of hMAO Active Anthraquinones from *Cassia obtusifolia* Linn Seeds Using In Silico and In Vitro Methods. *ACS Omega* 2020, 5, (13), 7705-7715

John, C. M.; Mallat, R. K.; Mishra, R. C.; George, G.; Singh, V.; Turnbull, J. D.; Umeshappa, C. S.; Kendrick, D. J.; Kim, T.; Mohd Fauzi, F.; Fedak, P. W. M.; Wulff, H.; Braun, A. P., SKA-31, an activator of Ca²⁺-activated K⁺ channels, improves cardiovascular function in aging. *Pharmacol. Res.* 2020, 151, 104539.

Karunanidhi, A.; Ghaznavi-Rad, E.; Jeevajothi Nathan, J.; Joseph, N.; Chigurupati, S.; Mohd Fauzi, F.; Pichika, M. R.; Hamat, R. A.; Lung, L. T. T.; van Belkum, A.; Neela, V., Bioactive 2-(Methyldithio)Pyridine-3-Carbonitrile from Persian Shallot (*Allium stipitatum* Regel.) Exerts Broad-Spectrum Antimicrobial Activity. *Molecules* 2019, 24, (6), 1003.

John, C. M.; Mohamed Yusof, N. I. S.; Abdul Aziz, S. H.; Mohd Fauzi, F., Maternal Cognitive Impairment Associated with Gestational Diabetes Mellitus—A Review of Potential Contributing Mechanisms. *International Journal of Molecular Sciences* 2018, 19, (12), 3894

Lulu, G. A.; Karunanidhi, A.; Mohamad Yusof, L.; Abba, Y.; Mohd Fauzi, F.; Othman, F., In vivo efficacy of tobramycin-loaded synthetic calcium phosphate beads in a rabbit model of staphylococcal osteomyelitis. *Annals of Clinical Microbiology and Antimicrobials* 2018, 17, (1), 46

Karunanidhi, A.; Ghaznavi-Rad, E.; Nathan, J. J.; Fauzi, F. M.; Than, L. T. L.; Pichika, M. R.; Hamat, R. A.; Neela, V., Antifungal and antibiofilm activity of Persian shallot (*Allium stipitatum* Regel.) against clinically significant *Candida* spp. *Tropical Biomedicine* 2018, 35, (3), 815-825

Karunanidhi, A., Ghaznavi-Rad, E., Hamat, R.A., Pichika, M.R., Lung, L.T.T., Mohd Fauzi, F., Chigurupati, S., van Belkum, A. and Neela, V., 2018. Antibacterial and Antibiofilm Activities of Nonpolar Extracts of *Allium stipitatum* Regel. against Multidrug Resistant Bacteria. *BioMed Research International*, 2018.

Zakaria, Z., Othman, N., Ismail, A., Kamaluddin, N.R., Esa, E., Rahman, E.J.A., Yusoff, Y.M., Fauzi, F.M. and Keoh, T.S., 2017. Whole-Exome Sequencing of ETV6/RUNX1 in Four Childhood Acute Lymphoblastic Leukaemia Cases. *Asian Pacific journal of cancer prevention: APJCP*, 18(4), p.1169.

Mohd Fauzi, F.; John, C. M.; Karunanidhi, A.; Mussa, H. Y.; Ramasamy, R.; Adam, A.; Bender, A., Understanding the mode-of-action of *Cassia auriculata* via in silico and in vivo studies towards validating it as a long term therapy for type II diabetes. *J. Ethnopharmacol.* 2017. 197, 61-72

Abdul Aziz, S. H.; John, C. M.; Mohamed Yusof, N. I. S.; Nordin, M.; Ramasamy, R.; Adam, A.; Mohd Fauzi, F., Animal Model of Gestational Diabetes Mellitus with Pathophysiological Resemblance to the Human Condition Induced by Multiple Factors (Nutritional, Pharmacological, and Stress) in Rats. *BioMed Research International* 2016. doi: 10.1155/2016/9704607

Mohamad Zobir, S. Z.; Mohd Fauzi, F.; Liggi, S.; Drakakis, G.; Fu, X.; Fan, T.-P.; Bender, A., Global Mapping of Traditional Chinese Medicine into Bioactivity Space and Pathways Annotation Improves Mechanistic Understanding and Discovers Relationships between Therapeutic Action (Sub)classes. *Evidence-Based Complementary and Alternative Medicine* 2016, 2016, 25.

Mohd Fauzi, F.; Koutsoukas, A.; Lowe, R.; Joshi, K.; Fan, T.-P.; Glen, R. C.; Bender, A., Linking Ayurveda and Western medicine by integrative analysis. *Journal of Ayurveda and Integrative Medicine* 2013, 4, (2), 117-119

		<p>Nguyen, H. P.; Koutsoukas, A.; Mohd Fauzi, F.; Drakakis, G.; Maciejewski, M.; Glen, R. C.; Bender, A., Diversity selection of compounds based on 'Protein Affinity Fingerprints' improves sampling of bioactive chemical space. <i>Chem. Biol. Drug Des.</i> 2013. doi: 10.1111/cbdd.12155</p> <p>Mohd Fauzi, F.; Koutsoukas, A.; Cunningham, A.; Gallegos, A.; Sedefov, R.; Bender, A., Computer-Aided ('In silico') Approaches in the Mode-of-Action Analysis and Safety Assessment of Ostarine and 4-Methylamphetamine. <i>Hum. Psychopharmacol.</i> 2013. (Special Issue on Novel Psychoactive Substances) 2013, 28, 365-378</p> <p>Mohd Fauzi, F.; Koutsoukas, A.; Lowe, R.; Joshi, K.; Fan, T.-P.; Glen, R. C.; Bender, A., Chemogenomics Approaches to Rationalizing the Mode-of-Action of Traditional Chinese and Ayurvedic Medicines. <i>J. Chem. Inf. Model.</i> 2013, 53, (3), 661-673</p>
10	RESEARCH GRANTS	<p>FRGS (On-going - 2021-2024; RM139,286) Principal investigator Elucidating The Neuroprotective Mechanisms Of Methoxyflavones Through In Silico Drug-target Interaction Prediction And In Vivo Validation In Neuroinflamed Mice For Alzheimer's Disease.</p> <p>Global Research Reputation Grant (2021 – 2022; RM30,000) Principal Investigator Understanding the Progression of Metastatic Breast Cancer through the Data Mining of Clinical, Phenotype and Genotype Data</p> <p>FRGS (Completed - 2016-2020; RM136,800) Principal investigator Role Of D-Amino Oxidase Inhibitors As Potential Drugs In The Treatment Of Alzheimer's Disease: A Protochemometric Modelling And In Vivo Study</p> <p>LESTARI (Completed - 2015 - 2017; RM20,000) Principal investigator In Silico Identification Of Novel D-Amino Oxidase Inhibitors Through Proteochemometric Modelling</p> <p>LESTARI (Completed – 2016- 2018; RM20,000) Co- investigator Cheminformatics-Driven Elucidation Of The Anti-Angiogenicity Of F8268</p> <p>FRGS (Completed– 2019 – 2021; RM97,000)</p>

		<p>Co-investigator Molecular mechanisms involved in wound healing properties of <i>Melastoma malabathricum</i> (L.) using an in vitro approach</p>
11	AWARDS	<p>2022</p> <ul style="list-style-type: none"> • Best MOOC (Massive Open Online Course) Award for Science and Technology- International e-Content Development Competition • <i>Anugerah Perkhidmatan Cemerlang</i> <p>2021</p> <ul style="list-style-type: none"> • 1st place in National Pharmacy Student Research Competition in Pharmacology and Chemistry • (Student: Muhammad Ikhwan Yusri) <p>2019</p> <ul style="list-style-type: none"> • 2nd place in National Pharmacy Student Research Competition in Pharmacology and Chemistry • (Student: Muhammad Nasrulhaq Nasharudin) • Silver Medal Pharm IIDEX 2019 • Bronze Medal UiTM IIDEX 2019 <p>2017</p> <ul style="list-style-type: none"> • Best Oral Presentation at the 5th International Conference on Pharmaceuticals, Nutraceuticals and Cosmetic Science • Silver Medal IIDEX2017 <p>2016</p> <ul style="list-style-type: none"> • <i>Anugerah Perkhidmatan Cemerlang</i>
12	INVOLVEMENT IN PROFESSIONAL ORGANISATIONS	<p>Board of Pharmacy, Malaysia Registered Pharmacist (20995)</p> <p>Malaysian Pharmacists Society Member</p> <p>National Professor Council Allied member</p>
13	PARTICIPATION IN CONTINUING EDUCATION	<ul style="list-style-type: none"> • Speaker, Asia Pharm V 2023, 17-18 August 2023, Vietnam • Keynote speaker SINACON 2023, 27-28 May 2023, Online

		<ul style="list-style-type: none"> • Keynote speaker at ICB-Pharma IV, 14-15 January 2022, Online • Invited speaker at “The Fascinating World of Anthraquinones: A New Perspective to Medicinal & Natural Products Chemistry”, 3rd March 2021, Webinar • Invited speaker at the 5th International Conference on Computation for Science and Technology on 23-26th September 2018 in Antalya, Turkey • Invited Speaker at the 5th International Conference on Pharmaceuticals, Nutraceuticals and Cosmetic Science on 3-4th August 2017 in Bangkok, Thailand • Invited Speaker at the 4th International Conference and Exhibition on Pharmacognosy, Phytochemistry & Natural Products on August 29-31, 2016 in Sao Paulo, Brazil. • Speaker at the Ageing in Malaysia: From Molecules to Community Conference – August 2015 • Oral presentation at the Unilever Centre Cambridge Seminar – May 2014 • Oral presentation at the Young Modellers Forum in London – November 2013, one of the 12 presenters picked to present • Oral presentation at the 2nd International Conference on Novel Psychoactive Substances in Swansea, UK – September 2013 • Oral presentation at the GP-TCM 2013 in Graz, Austria – August 2013 • Poster presentation at the RICT 2013 Drug Discovery and Selection conference in Nice, France – July 2013 • Poster presentation at the 5th Cheminformatics Conference in Goslar, Germany – November 2012 • Oral presentation at the 1st International Conference on Novel Psychoactive Substances in Budapest, Hungary – March 2012 • Poster presentation at eSCAMPS in Cambridge, UK – December 2011 • Poster presentation at the UK QSAR Meeting in Cambridge, UK – November 2011 • Poster presentation at the 5th Biological and Medicinal Chemistry Symposium for Postgraduates in Cambridge, UK – October 2011 • Poster presentation at the MGMS meeting in Cambridge, UK - August 2011
14	COMMUNITY SERVICES	

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