

PROFILE		
1	NAME	Zafirah Liyana Binti Abdullah
2	ACADEMIC POSITION	Lecturer
3	STATUS OF APPOINTMENT	Permanent
4	CITIZENSHIP	Malaysian
5	EDUCATION	<ul style="list-style-type: none"> • M. Sc. Eng. (Mat. Sc.) Johns Hopkins University, USA, 2017 • M. Pharm. Sc. (Pharm. Tech.) International Islamic University Malaysia, Malaysia, 2012 • B. Sc. Edu. (Hons.) University Of Malaya, 2008
6	WORKING EXPERIENCE	<ul style="list-style-type: none"> • July 2019 – Present Lecturer, Department of Pharmaceutical Life Sciences, Faculty of Pharmacy, UiTM Selangor, Puncak Alam Campus, 42300 Bandar Puncak Alam, Selangor • Sept 2015 – June 2019 Graduate research assistant, Faculty of Pharmacy, UiTM Puncak Alam Campus, 42300 Bandar Puncak Alam, Selangor. • June 2011 - August 2015 Lecturer, Department of Pharmaceutical Life Sciences, Faculty of Pharmacy, UiTM Selangor, Puncak Alam Campus, 42300 Puncak Alam, Selangor. • Jan 2010 - April 2011 Graduate research assistant, Kulliyyah of Pharmacy, IIUM Kuantan campus, 25000 Kuantan, Pahang
7	CURRENT ACADEMIC RESPONSIBILITIES	<p>Involves in teaching for:</p> <ul style="list-style-type: none"> • PHC 610 – Research I (As a Resource Person) • PHC 410 – Pharmaceutical Biostatistics • PHC 412 – Pharmaceutical Microbiology and Parasitology • PHC 564 – Pharmaceutical Biotechnology • PHC 632 – Research II • PHC 661 – Traditional Complementary Medicine • PHC 664 – Structure Based Drug Design

8	RESEARCH INTERESTS/ PROJECTS	<ul style="list-style-type: none"> • Anti-viral treatment for dengue infection • Screening of drugs for therapeutic potential using structure-based (molecular docking) and ligand-based studies
9	PUBLICATIONS	<ul style="list-style-type: none"> • Zafirah Liyana Abdullah, Chee Hui-Yee, Rohana, Fazlin Mohd Fauzi (2023). Finding Lead Compounds for Dengue Antivirals from a Collection of Old Drugs through In Silico Target Prediction and Subsequent In Vitro Validation. ACS Omega. DOI: 10.1021/acsomega.3c02607. • Wan Dalila Wan Chik, and Zafirah Liyana Abdullah (2022). Molecular Docking Studies of Selected Natural Compounds as Caspase-3 Enzyme Inhibitors. ESTEEM Academic Journal 18, 112-119. • Nur Intan Saidah, Zafirah Liyana Abdullah, Norodiyah Othman, Fazlin Mohd Fauzi (2022). Structure - activity relationship analysis of flavonoid and its inhibitory activity against BACE1 enzyme towards a better therapy for Alzheimer's Disease. Frontiers in Chemistry, 10. • Zafirah Liyana Abdullah, Chee Hui Yee, Fazlin Mohd Fauzi (2018). Towards the discovery of novel dengue NS3 antiviral drug: Application of proteochemometric (PCM) modelling and in vitro validation in drug repurposing. Abstracts from the 4th Asian Conference in Pharmaceutical Sciences (Asia Pharm IV). BMC Proc 13, 9 (2019). https://doi.org/10.1186/s12919-019-0168-7. • Mohd N. F. M. R., Siti, A. J., Anouar, E. H., Jean-Frederic F. W. A., & Wan I. W. I., Zafirah, L. A. (2013). Molecular docking of Caspase 8 and 9 protein with endophytic pyrones NF00659A1 and NF00659A2 as potent antitumor therapy. Proceedings of 2nd International Postgraduate Conference on Pharmaceutical Sciences 2013 4-5 September 2013, UiTM Puncak Alam, Selangor, Malaysia. • Mohd N. F. M. R., Anouar, E. H., Jean-Frederic, F. W., Siti, A. J., Zafirah, L. A. (2012). Proceedings of 4th Computer-Aided Drug Design Seminar and Workshop 2012 3-7 December 2012, UiTM Puncak Alam, Malaysia. • Zafirah, L. A., Taher, M., Ichwan, S. A. J. (2012). Site-directed mutagenesis of mutant TP53 and the

		<p>analysis of its tumor suppressor activity. Proceedings of International conference on Biomedical Science 2012 27-28 February 2012, ITB, Bandung.</p> <ul style="list-style-type: none"> • Zafirah, L. A., Taher, M., Ichwan, S. A. J. (2010). Production of recombinant p53 protein by PCR based site-directed mutagenesis of plasmid DNA. Proceedings of 3rd International Conference on Advancement in Science and Technology 2010 26-29 November 2010, Kuantan, Pahang.
10	RESEARCH GRANTS	<ul style="list-style-type: none"> • Recipients of Ce-Sir grant (PI subproject 2023 – 2024) • Principal investigator (PI) of FRGS 67/2012 (completed)
11	AWARDS	<ul style="list-style-type: none"> • Bronze Medal for Pharm - IIDEX 2023. Project: Pokebat • Gold Medal for Pharm – IIDEX 2022. Project: Safe-Me Safety Kit • Bronze Medal for Pharm - IIDEX 2021. Coronavirus education kit: 3D Components of Coronavirus Molecules for an Engaging Teaching and Learning Experience. • Bronze Medal for Pharm-IIDEX 2021. An Infographic on The Current Drugs Used in Treatment of COVID-19” • Best poster presenter at 4th Asian Conference on Pharmaceutical Sciences (ASIA PHARM IV) for research poster entitled “Towards the discovery of novel dengue NS3 antiviral drug: Application of Proteochemometric (PCM) modelling and in vitro validation in drug repurposing”. Concorde Hotel, 28-29 Aug 2019. • Recipients for Anugerah Perkhidmatan Cemerlang, Faculty of Pharmacy, UiTM 2015
12	INVOLVEMENT IN PROFESSIONAL ORGANISATIONS	<ul style="list-style-type: none"> • Members of Malaysian Society for Biochemistry & Molecular Biology (MSBMB) 2021 - 2024
13	PARTICIPATION IN CONTINUING EDUCATION	<ul style="list-style-type: none"> • Members of MOOC developer, Pharmaceutical Biostatistics • Members of “Jawatankuasa e-Learning Webinar” Faculty of Pharmacy, UiTM
14	COMMUNITY SERVICES	<ul style="list-style-type: none"> • Committee for “Jom Sains” programme organized by Faculty of Pharmacy, UiTM • Volunteers at Pusat Pemulihan Dalam Komuniti (PDK) Seri Teruntum, Kuantan

		<ul style="list-style-type: none">• Joined Charity Programme for Chow Kit Community, organized by SOPHYS, Faculty of Pharmacy, 2014• Program Advisor, National Pharmacy Sport Carnival (NSPC), 2013
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