

CURRICULUM VITAE



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Position Associate Professor
Department Biomedical Sciences
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Education

1. BSc Biochemistry 1995 University of Cardiff
2. MSc Biochemistry 1998 Universiti Putra Malaysia
3. PhD Biochemistry 2004 Universiti Putra Malaysia

Areas of Interest

1. Cancer
2. Antioxidant
3. Inflammation
4. Diabetes

Professional Qualification/ Membership/ Affiliation

1. Malaysian Association of Clinical Biochemistry
2. MyBiomed Society
3. Malaysian Society of Microscopy

Appointments (Inside and Outside UPM)

1. Pengetua Kolej 17 (College Master) 2009-2012
2. Head unit of Biochemistry 2018-2021
3. Chief Editor Malaysian Journal of Microscopy 2018-2020
4. Chief Editor Malaysian Journal of Clinical Biochemistry 2020-2021
5. Editor Journal of Nutrition and Metabolism 2020

Publications

Journals (in 5 years)

Gul Saba, Abdah Akim, Muhammad Naveed Zafar, Mohd Azmuddin Abdullah, Yeong Yik Sung, Tengku Sifzizul Tengku Muhammad 2020 Induction of apoptosis and role of paclitaxel-loaded hyaluronic acid-crosslinked nanoparticles in the regulation of AKT and RhoA Journal of Advanced Pharmaceutical Technology and Research vol 11 issue 3 101-106

Mohd Jokha Yahya, Patimah binti Ismail, Norshariza binti Nordin, Abdah binti Md Akim, Wan Shaariah binti Md. Yusuf, Noor Lita binti Adam, and Nurul Fasihah Zulkifli 2019 CNDP1, NOS3, and MnSOD Polymorphisms as



Risk Factors for Diabetic Nephropathy among Type 2 Diabetic Patients in Malaysia Journal of Nutrition and Metabolism 2090-0724 Volume 2019, Article ID 8736215

Mohd Jokha Yahya, Patimah binti Ismail, Norshariza binti Nordin, Abdah binti Md Akim, Wan Shaariah binti Md. Yusuf, Noor Lita binti Adam, and Maryam Jamielah Yusoff 2019 Association of CCL2, CCR5, ELMO1, and IL8 Polymorphism with Diabetic Nephropathy in Malaysian Type 2 Diabetic Patients International Journal of Chronic Diseases Volume 2356-6981 2019, Article ID 2053015

Nurul Hafizan Azahar, Siti Soleha Ab dullah, Rozaini Abdullah, Norizan Ahmat, Abdah Md Akim and Hasiah Ab Hamid Mutagenic Study of Benzimidazole Derivatives with (+S9) and without (-S9) Metabolic Activation Int. J. Mol. Sci. 2019, 20(18), 4324; <https://doi.org/10.3390/ijms20184324> (registering DOI) - 04 Sep 2019

Yazan Ranneh, Abdah Md Akim, Hasiah Ab.Hamid, Huzwah Khazaai, Norhafizah Mokhtarrudin, Abdulmannan Fadel, and Mohammed H.K Albujja 2019 Induction of Chronic Subclinical Systemic Inflammation in Sprague–Dawley Rats Stimulated by Intermittent Bolus Injection of Lipopolysaccharide Arch. Immunol. Ther. Exp. <https://doi.org/10.1007/s00005-019-00553-6>

Yazan Ranneh, Abdah Md Akim, Hasiah Ab Hamid, Huzwah Khazaai, Abdulmannan Fadel, Ayman M. Mahmoud. 2019. Stingless bee honey protects against lipopolysaccharide induced-chronic subclinical systemic inflammation and oxidative stress by modulating Nrf2, NF- κ B and p38 MAPK. Nutrition and Metabolism. 16 (1): 1-17

Yazan Ranneh, Faisal Ali, Maryam Zarei, Abdah Md Akim, Hasiah Abd Hamid, Huzwah Khazaai 2018 Malaysian stingless bee and Tualang honeys: A comparative characterization of total antioxidant capacity and phenolic profile using liquid chromatography-mass spectrometry LWT Food Science and Technology vol 89:1-9 DOI: 10.1016/j.lwt.2017.10.020 ISSN:0023-6438 Impact Factor:2.329 Elsevier Ireland Ltd.

Ooi, K.K. Yeo, C.I. Mahandaran, T. Ang, K.P. Akim, A.M. Cheah, Y.-K. Seng, H.-L. Tiekink, E.R.T. 2017 G2/M cell cycle arrest on HT-29 cancer cells and toxicity assessment of triphenylphosphane gold(I) carbonimidothioates, Ph₃PAu[SC(OR) = NPh], R = Me, Et, and iPr, during zebrafish development Journal of Inorganic Biochemistry Volume 166, 1 January 2017, Pages 173-181

Ranneh Yazan Ali F Akim, A M Hamid H A Khazaai H Fadel A 2017 Crosstalk between reactive oxygen species and pro-inflammatory markers in developing various chronic diseases: a review Applied Biological Chemistry 60(3):327-338

Hazirah AR Siti Sarah S Syakinah A Siti Atika J Zainal B Abdah MA 2017 Total phenolic content and antioxidant activities of corchorus capsularis and stevia rebaudiana extracts The International Journal of Medicine and Sciences 2(1):41-48.

Zhang J, Ming C, Zhang W, Okechukwu PN, Morak-Mlodawska B, Pluta K, Jelen M, Akim AM, Ang KP, Ooi KK. 2017 10H-3,6-Diazaphenothiazine induces G2/M phase cell cycle arrest and caspase-dependent apoptosis and inhibits cell invasion of A2780 ovarian carcinoma cells through the regulation of NF- κ B and (BIRC6-XIAP) complexes. Drug Design, Development and Therapy ISSN 1177-8881 Publisher: Dove Medical Press Ltd. vol 11,1-9.

Vajihozaman Khalili, H Shokri, A R Khosravi, Abdah Md Akim, S Amri Saroukolaei 2016 Purification and comparison of heat shock protein 90 (Hsp90) in Candida albicans isolates from Malaysian and Iranian patients and infected mice Journal of Medical Mycology Online 8 Feb



Zainal, B., Abdah, M. A., Taufiq-Yap, Y. H., & Rosmin, K 2016 Theobroma cacao: Review of the extraction, isolation, and bioassay of its potential anticancer compounds Tropical Life Sciences Research 27(1) 21-42

Khalili, V, Shokri, H, Akim, A M, Khosravi, A R 2016 Differential gene expression of heat shock protein 90 (Hsp90) of Candida albicans obtained from Malaysian and Iranian patients Malaysian Journal of Medical Sciences ISSN 1394195X IF0.518 Publisher Universiti Sains Malaysia Q3 23(3) 64-71

Ramli F, Rahmani M, Ismail I. S., Sukari, M. A., Rahman, M. A., Zajmi, A., Md Akim, A., Hashim, N. M., Go, R. 2016 A new bioactive secondary metabolite Natural Product Communications ISSN 1934-578X. eISSN 1555-9475 Publisher Natural Product Communications United States 11(8):1103-1106

Books

Introduction to Basic Biochemistry. Laboratory in practice. 2016 Penerbit UPM

Problem Based Learning in Biomedical Sciences 2017 Penerbit UPM

Gamification in Biomedical Sciences: Crossword Puzzle 2017 Penerbit UPM

Gamification in Biomedical Sciences: Wordsearch 2018 Penerbit UPM

Narrative Problem Based Learning in Biomedical Sciences 2020 Penerbit UPM

Research Grants				
No.	Project Title	Amount (RM)	Year	Source of Fund
1.	The preventive and therapeutic activities of Malaysian stingless bee honey (madu Kelulut) on in vivo lipopolysaccharide-induced chronic inflammation and oxidative stress in vivo and underlying its mechanisms		2017	
2.	Protective effect of channa striatus extracts on acetaminophen induced hepatotoxicity in human Chang liver cells and rats		2011	
3.	The effect of kancing baju extract on breast cancer		2011	
4.	Anti -cancer activity of haruan extracts on colon cancer in vivo and in vitro.		2008	
5.	Short term study on the effect of torch ginger/kantan (Etlingera elatior) on colon cancer in vivo.		2006	
6.	A Revolutionized Method in Increasing Communication and Leadership Skill Through Problem Based Learning Competency Among Biomedical Students in Universiti Putra Malaysia GIPP		2019	

Awards/ Recognition (Current)				
No.	Name of awards	Award Authority	Award Type	Year
1.	Anugerah Khidmat Bakti	Malaysian Society of Microscopy	Service	2019
2.	International Atomic Energy Agency fellowship	International Atomic Energy Agency fellowship	Fellowship	2008
3.	Gold medal	UKM	Innovation (Teaching)	2020
4.	Bronze medal	Kementerian Pendidikan	Innovation (Teaching)	2019

Professional Services/ Consultation			
No.	Year	Title	Authority
1.	2018-2020	Chief editor Malaysian Journal of Microscopy	Malaysian Society of Microscopy
2.	2020-2021	Chief editor Malaysian Journal of Clinical Biochemistry	Malaysian Association of Clinical Biochemistry
3.	2020	Editor Journal of Nutrition and Metabolism	Hindawi

Student Supervision			
PhD (Main Supervisor)			
No.	Name	Title	Status
1.	Vajihozaman Khalili	Comparison of Candida Hsp90 Protein Content and Gene Expression in Iranian And Malaysian Candida-Infected Patients	Graduated in 2013
2.	Zainal Baharum	Chemical Characteristics of Non-Edible Cocoa Plant (Theobroma Cacao L.) Parts and Their Antiproliferative Activity Against Various Cancer Cell Lines	Graduated in 2016
3.	Ooi Kah Kooi	Apoptosis and Cell Cycle Arrest of MCF-7 Breast Carcinoma Cells By bis (Phosphane) Copper(I) Thiocarbamides Derivatives	Graduated in 2017
4.	Ranneh Yazan	The Preventive and Therapeutic Activities of Malaysian Honey on Lipopolysaccharide-Induced Systemically Chronic Inflammation and Oxidative Stress In Vivo And Underlying Its Mechanism of Actions	Graduated in 2019

Master with Thesis (Main Supervisor)			
No.	Name	Title	Status
1.	Tung En En	In vitro effects of polymeric nanoparticles encapsulating tamoxifen in MCF-7 breast cancer cell line	Graduated in 2011
2.	Hazirah Abdul Razak	The effect of cocoa phenolic content on various cancer cell lines and its mode of action	Graduated in 2014
3.	Ooi Kah Kooi	In Vitro Cytotoxicity and Mechanism of Apoptosis of Triphenylphosphinegold(I) Carbonimidothioates On Colorectal Cancer	Graduated in 2015