

PROFILE		
1	NAME	Zolkapli Eshak
2	ACADEMIC POSITION	Senior Lecturer
3	STATUS OF APPOINTMENT	Permanent
4	CITIZENSHIP	Malaysian
5	EDUCATION	PhD (Molecular Medicine), UPM Master of Science (Microscopy and Microanalysis), UPM Bachelor of Biomedical Sciences (Hons), UPM
6	WORKING EXPERIENCE	<ul style="list-style-type: none"> ● Science Officer, MARDI, Serdang, 2008-2009 ● Research Officer, MOSTI, Penang, 2010 ● Lecturer (DM51) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 2010
7	CURRENT ACADEMIC RESPONSIBILITIES	<ul style="list-style-type: none"> ● PHC566: Research 1 (Lecture and Supervisor) ● PHC567: Supervisor ● PHC612: Pharmacology of Drugs Affecting The Endocrine, Reproductive Systems and Musculoskeletal Systems ● PHC461: ● NAD555: Basic Pharmacology ● PHC666: Radiopharmacy ● PHC461: Principles of pharmacology ● PHC561: Drugs Affecting the Respiratory and Gastrointestinal System ● PHC562: Pharmacology of Drugs Affecting the Central Nervous System ● PHC634: Pharmacology of anti-infective agents ● PHC615: Pharmacology of Drugs Affecting the Cardiovascular System
8	RESEARCH INTERESTS/ PROJECTS	<ul style="list-style-type: none"> ● Drug discovery ● Natural Product ● Marine Research
9	PUBLICATIONS	2019-2023 Journal article

PUBLICATIONS FOR 2023

Soo Teng Chew, Zolkapli Eshak, Afaf Al-Haddad. Evaluation of interfacial adaptation and penetration of bioceramic-based sealers in oval root canals: A confocal laser scanning microscope study. *Microscopy & Research Technique*. (2023) <https://doi.org/10.1002/jemt.24323>.

Razif Dasiman, Norazmir Md Nor, Zolkapli Eshak, Siti Syairah Mohd Mutalip, Nur Rohmah Suwandi, Habsah Bidin, Razif Abas. A Systematic Review of the Effects of Bisphenol Analogs on Embryonic Development and Cytoskeletal Organization of Zebrafish (*Danio rerio*) Embryos. *Biointerface Research in Applied Chemistry*. Volume 13, Issue 1, 2023, 75.

Thevanayagam H, Mohamed S.M., Chu W.L. and Eshak Z . Antiproliferative Effect of Carrageenans on Epidermoid Carcinoma (A431NS) Cells Through Inhibition of DNA Synthesis and Translationally Controlled Tumour Protein (TPT1) Gene Expression. *Academy of Science*, 18, 2023.

PUBLICATIONS FOR 2022

Ramli, S, Eshak, Z, Ayub, N, Halim, H. Morphological changes of MCF7 cells incubated with quercetin. *Research Journal of Biotechnology*. 17-4, 2022.

Thevanayagam, H., Mohamed, S.M., Chu, W.L. And Zolkapli Eshak. Photoprotective effects of carrageenans against ultravioletb-induced extracellular matrix (ecm) damage in keratinocytes. *Malaysian journal of science*. 41, 3 (oct. 2022), 28–37

PUBLICATIONS FOR 2021

Mohd Ulul Ilmie Ahmad Nazri, Mohd Hafizi Mahmud, Basri Saidi, Mohd Noor Mat Isa, Zolkapli Eshak, Othman Ross, Izwandy Idris, Wan Iryani Wan Ismail. Cellular and molecular profiles of anterior nervous system regeneration in *Diopatra claparedii* Grube, 1878 (Annelida, Polychaeta). *Heliyon*. Volume 7, Issue 2, February 2021, e06307.

Mohamed, Anis Syamimi, Akim, Abdah Md, Ramasamy, Kalavathy, Hasan, Mizaton Hazizul, Eshak, Zolkapli. Histopathologic Changes in Liver and Kidney Tissue from Chronic Unpredictable Mild Stress-induced Stress-Depression Male Sprague-Dawley Rats Supplemented with Acacia Honey. *Malaysian Journal of Microscopy* Volume 17, Issue 1, Pages 21 – 322021

Razif Dasiman, Norazmir Md Nor, Zolkapli Eshak, Siti Syairah Mohd Mutalip, Nur Rohmah Suwandi, Habsah Bidin. A Review of Procyanidin: Updates on Current Bioactivities and Potential

		<p>Health Benefits. <i>Biointerface</i>. Volume 12, Issue 5, 2022, 5918 – 5940</p> <p>Mahadi, Mahani, Azizul, Mohamad Syahmi, Eshak, Zolkapli, Aida Hamimi, Akim, Abdah Md Kamal, Nurkhalida. <i>Kappaphycus alvarezii</i> Supplementation Attenuates Blood Pressure, Blood Cholesterol, ACE and Antioxidant Activities in Hypertensive and Hypercholesterolemia Rats. <i>Sciences Volume 17</i>, Pages 72 – 80 December 2021</p> <p>PUBLICATIONS FOR 2020 ZI Tarmizi, RR Ali, MM Nasef, AM Akim, Z Eshak, SM Noor. Fabrication and Characterization of PU-g-poly (HEMA) Film for Clotting Time and Platelet Adhesion. <i>IOP Conference Series: Materials Science and Engineering</i> 808 (1), 012035.</p> <p>PUBLICATIONS FOR 2019 J Raihan, U Ahmad, YK Yong, Z Eshak, F Othman, A Ideris. Regression of solid breast tumours in mice by Newcastle disease virus is associated with production of apoptosis related-cytokines. <i>BMC cancer</i> 19 (1), 315</p> <p>SAA Ghafar, IHH Fikri, Z Eshak. Antioxidant Activity of <i>Musa Paradisiaca</i> (Banana) Soft Pith and Its Cytotoxicity Against Oral Squamous Carcinoma Cell Lines. <i>Malaysian Journal of Science Health & Technology</i> 3 (1).</p> <p>Zatil Izzah Tarmizi, Anisa Nasuha Maski, Roshafima Rasit Ali, Nurfatehah Wahyuni Che Jusoh, Abdah Md Akim, Zolkapli Eshak, Sabariah Md Noor, Norazana Ibrahim. Fabrication of hydrophilic silica coating varnish on pineapple peel fiber based biocomposite. <i>International Journal of Integrated Engineering</i> 11 (7), 77-82.</p> <p>Dissertation and master thesis</p> <p>Norhisham Bin Haron. <i>Metabolome Response To Stevioside In The Insulin Resistance Cell Culture Model.</i> (PhD) 2023.</p> <p>Anis Syamimi Mohamed. <i>Mechanism of Acacia Honey In Ameliorating Stress Disorder Through Gut-Brain Axis</i> (PhD). UiTM. 2022.</p>
10	RESEARCH GRANTS	<p>MEMBER</p> <p>Glycine-L-Proline Augmentation Of Vitrified</p>

		<p>Mitochondrial Oocyte Architecture And Ivf Outcomes (Member), FRGS, 2019-2022, RM183210.00</p> <p>Deciphering The Function Of Endolysosomal Calcium Channels In Mda-Mb-231 Breast Cancer Cells Via Sirna Mediated Silencing (Member). 2019-2021. FRGS, RM136600.00</p> <p>Standardized Combination Extracts Of Hibiscus Rosa-Sinensis And Centella Asiatica (Hrs-Ca) On Wound Healing Properties: In-Vivo And In-Vitro Model Evaluation. (Member). 2019-2021 FRGS. RM132200.00</p> <p>Mechanisms Of Destabilization And Disintegration Of Pharmaceutical Aerosols Liquid Swirl Spray Through Heating And Effervescence. (Member). FRGS. 2019-2021. RM94900.00</p> <p>Understanding The Biochemical Mechanism Of Kappaphycus Alvarezii In Regulating Hypertension And Hypercholesterolemia Via Phytochemistry And In Vivo Study. (Member). FRGS. 2019-2021. RM121617.00</p> <p>The Relationship Between Mechanisms And Kinetics Of Molecularly Imprinted Polymer Formation In Nanopores Electrode For Selective Detection Of Alzheimer's Disease Biomarkers (Member). FRGS. 2022. RM150,000.00</p> <p>MAIN</p> <p>Antioxidant And Physicochemical Properties Of Malaysian Propolis: Heterotrigonaitama And Geniotrigonathoracica. (Main) 2019-2020. GIP. RM25000</p> <p>The Growth Study And Seasonal Appearance Of Blue Tears Assemblages Around Coastal Areas Of Kuala Selangor (Main). DUCS 2022-current. RM30000.00</p>
<p>11</p>	<p>AWARDS</p>	<p>Copyright</p> <ul style="list-style-type: none"> • MyIPO - Kappa Kea: Embrace Your Life. (CRFM00001221), 2020 <p>Awards</p> <ul style="list-style-type: none"> • Karnival Inovasi UTeM (UTeMEX 2021), 22 Nov- 8 Dec 2021. Gold Award - Kappa Kea:

		<p>Embrace Your Life (Member)</p> <ul style="list-style-type: none"> ● IIDEX 2020 UiTM (6 Nov 2020). Gold Award - Kappa Kea: Embrace Your Life (Member) ● Pharm-IIDEX 2020 (21 Sept 2020). Diamond & Gold Award - Kappa Kea: Embrace Your Life (Member)
12	INVOLVEMENT IN PROFESSIONAL ORGANISATIONS	<ul style="list-style-type: none"> ● Committee, Microscopy Society Malaysia (MSM), 2013-present
13	PARTICIPATION IN CONTINUING EDUCATION	<p><u>Trainer:</u></p> <ul style="list-style-type: none"> ● Basic of Image Processing and Analysis with Image-J, 15th March 2023, UiTM ● Image J for Live Cell Imaging. From Acquisition to Analysis. 8th Sept 2023, UiTM
14	COMMUNITY SERVICES	<ul style="list-style-type: none"> ● Program Pengurusan Emosi: Impak Kepada Sahsiah Dan Kecemerlangan Akademik, 26 September, 2023, SKPA 2 Puncak Alam.