

CURRICULUM VITAE



Name: Fezah Othman
 Position: Senior Lecturer
 Department of Biomedical Sciences
 Faculty of Medicine and Health Sciences
 Universiti Putra Malaysia
 43400 UPM Serdang, Selangor
 T: 03-9769 2333
 Email: fezah@upm.edu.my
 ORCID: (<https://orcid.org/0000-0002-0924-6264>)
 SCOPUS ID: 55056108800

Education

1. Doctor of Philosophy (Biochemistry), (National University of Malaysia)
2. Master of Science (Biotechnology), (Universiti Putra Malaysia)
3. Bac. of Sc. (Biomedical Sciences), (Universiti Putra Malaysia)
4. Diploma in Animal Health and Production, (Universiti Putra Malaysia)

Areas of Interest

1. Pharmacology and toxicology
2. Phytochemistry and natural products
3. Laboratory animal science
4. Drug discovery

Professional Qualification/ Membership/ Affiliation

1. Life member of Malaysian Biomedical Science Association (MyBiomed)
2. Member of Laboratory Animal Science Association of Malaysia (LASAM)
3. Member of Malaysian Natural Products Society (MNPS)
4. Member of Genetics Society of Malaysia (PGM)

Appointments (Inside and Outside UPM)

Date	Designation	Remarks
1. Dec. 27 th , 2019	Editor of Pharmacia, Indonesia	2019 until now
2. Dec. 8 th , 2017	Editor of Jurnal Kedokteran dan Kesehatan Indonesia (JKKI)	2017 until now
3. May 1 st , 2019	Editor of Malaysian Journal of Microscopy (MJM)	2019 - 2021
4. July 23 rd , 2024	Journal reviewer for Journal of Obesity	One-off
5. May 21 st , 2019	Journal reviewer for Biotropia	One-off
6. Sept. 3 rd , 2018	Journal reviewer for Malaysian Journal of Medicine & Health Sciences	
7. Feb 21 st , 2024	Article reviewer for QEIOS	One-off
8. 2024, 2023	External accessor for UniKL Young Scientist Symposium	Annually
9. 2024, 2023, 2022, 2021, 2020	Reviewer for Animal Ethics Scientific Merit Review	Annually
10. Feb. 1 st , 2021	Article reviewer for International Journal of Public Health Science (IJPHS).	One-off

11. Sept. 14 th , 2020	Journal reviewer for Malaysian Journal of Biochemistry & Molecular Biology (MJBMB)	One-off
12. Sept. 17 th , 2020	Article reviewer for Oncology Letters	One-off
13. 2017-2019	Fellow researcher at Institut Biodiversiti Veterinar Malaysia (IBVK)	One-off

Publications

Journals (in 5 years)

1. Shabbir Hussain, Ammara Aslam, Affifa Tajammal, **Fezah Othman***, Zeeshan Mustafa, Amnah Mohammed Alsuhaibani, Moamen Salaheldeen Refat, Muhammad Shahid, Muhammad Sagir, Zainul Amiruddin Zakaria*. 2024. *Tagetes erecta*-Mediated Biosynthesis of Mn₃O₄ Nanoparticles: Structural, Electrochemical, and Biological Investigations. <https://pubs.acs.org/doi/10.1021/acsomega.4c01328>
2. Nurkhasanah Mahfudh, Atika Orchida Sari, Iradatul Ikhtiari, Nanik Sulistyani, Ika Dyah Kumalasari, and **Fezah Othman**. 2023. Antihyperlipidemic, Hepatoprotective and Nephroprotective Effects of Functional Beverages Containing Soybean (*Glycine max* L.), Sweet Potato Leaves (*Ipomoea batatas* L.), and red yeast rice on a high fat-diet rats. *Life Sciences, Medicine and Biomedicine*, 8(1). <https://doi.org/10.28916/lsm.8.1.2024.134>
3. Naomi, R.; Rusli, R.N.M.; **Othman, F.**; Balan, S.S.; Abidin, A.Z.; Embong, H.; Teoh, S.H.; Jasni, A.S.; Jumidil, S.H.; Matraf, K.S.Y.B. Yazid, M. D., Bahari, H., & Zakaria, Z. A. 2023. *Elateriospermum tapos* Yogurt Supplement in Maternal Obese Dams during Pregnancy Modulates the Body Composition of F1 Generation. *Nutrients*. 15, 1258. <https://doi.org/10.3390/nu15051258>
4. Rusli, R. N. M., Naomi, R., Yazid, M. D., Embong, H., Perumal, K., **Othman, F.**, Jasni, A. S., Jumidil, S. H., Balan, S. S., Abidin, A. Z., Kadir, K. K. A., Bahari, H., & Zakaria, Z. A. 2023. Phytochemical Analysis and Toxicity Assessment of *Bouea macrophylla* Yoghurt. *Toxins*,15(2), 125. <https://doi.org/10.3390/toxins15020125>
5. Naomi, R., Teoh, S. H., Embong, H., Balan, S. S., **Othman, F.**, Mamat-Hamidi, K., Bahari, H., & Yazid, M. D. 2023. Analyzing Active Compounds in *Elateriospermum tapos* Yogurt for Maternal Obesity: A Network Pharmacology and Molecular Docking Study. *Foods*, 12(19), 3575. <https://doi.org/10.3390/foods12193575>
6. Nurkhasanah Mahfudh, Nanik Sulistyani, Novita Sari, Indah Puspita Sari, Dedi Adrian , **Fezah Othman** & Zainul Amiruddin Zakaria. 2023. Antihyperlipidemic and Hepatoprotective Effect of *Zingiber cassumunar* Rhizome Extract in High-Fat Diet-Induced Hyperlipidemic Rats: The Role of Antioxidant Activity. *Sains Malaysiana*, 52(9): 2559-2569 <http://doi.org/10.17576/jsm-2023-5209-07>
7. Hisamuddin, A. S. B., Naomi, R., Bin Manan, K. A., Bahari, H., Yazid, M. D., **Othman, F.**, Embong, H., Hadizah Jumidil, S., Hussain, M. K., & Zakaria, Z. A. 2023. Phytochemical component and toxicological evaluation of purple sweet potato leaf extract in male Sprague–Dawley rats. *Frontiers in Pharmacology*, 14, 1132087. <https://doi.org/10.3389/fphar.2023.1132087>
8. Naomi, R., Yazid, M. D., Bahari, H., Keong, Y. Y., Rajandram, R., Embong, H., Teoh, S. H., Halim, S., **Othman, F.*** 2022. Bisphenol A leading to obesity and cardiovascular complications: A compilation of current *in vivo* study. *International Journal of Molecular Sciences*, 23, 2969. <https://doi.org/10.3390/ijms23062969>
9. Naomi, R., Bahari, H., Ong, Z. Y., Keong, Y. Y., Embong, H., Rajandram, R., Teoh, S. H., **Othman, F.**, Hasham, R., Yin, K. B., Kaniappan, P., Yazid, M. D., & Zakaria, Z. A. 2022. Mechanisms of Natural Extracts of *Andrographis paniculata* That Target Lipid-Dependent Cancer Pathways: A View from the Signaling Pathway. *International Journal of Molecular Sciences*, 23(11), 5972. <https://doi.org/10.3390/ijms23115972>

10. Abdul Rahman, N. S., Mohamed Noor Khan, N. A., Eshak, Z., Sarbandi, M. S., Mohammad Kamal, A. A., Abd Malek, M., Abdullah, F., Abdullah, M. A., & **Othman, F.** 2022. Exogenous L-Glutathione Improves Vitrification Outcomes in Murine Preimplantation Embryos. *Antioxidants*, 11(11), 2100. <https://doi.org/10.3390/antiox11112100>
11. Naomi, R., Rusli, R. N. M., Balan, S. S., **Othman, F.**, Jasni, A. S., Jumidil, S. H., Bahari, H., & Yazid, M. D. 2022. *E. tapos* Yoghurt—A View from Nutritional Composition and Toxicological Evaluation. *Foods*, 11(13), 1903. <https://doi.org/10.3390/foods11131903>
12. Naomi, R., Bahari, H., Ong, Z. Y., Keong, Y. Y., Embong, H., Rajandram, R., Teoh, S. H., **Othman, F.**, Hasham, R., Yin, K. B., Kaniappan, P., Yazid, M. D., & Zakaria, Z. A. 2022. Mechanisms of Natural Extracts of *Andrographis paniculata* That Target Lipid-Dependent Cancer Pathways: A View from the Signaling Pathway. *International Journal of Molecular Sciences*, 23(11), 5972. <https://doi.org/10.3390/ijms23115972>
13. Naomi, R., Bahari, H., Ridzuan, P. M., **Othman, F.*** 2021. Natural-Based Biomaterial for Skin Wound Healing (Gelatin vs. Collagen): Expert Review. *Polymers*, 13(14):2319. <https://doi.org/10.3390/polym13142319>
14. Naomi, R., Embong, H., **Othman, F.**, Ghazi, H. F., Maruthey, N., Bahari, H. 2021. Probiotics for Alzheimer's Disease: A Systematic Review. *Nutrients*, 14(1):20. <https://doi.org/10.3390/nu14010020>
15. Naomi, R., Bahari, H., Yazid, M. D., Embong, H., & **Othman, F.*** 2021. Zebrafish as a Model System to Study the Mechanism of Cutaneous Wound Healing and Drug Discovery: Advantages and Challenges. *Pharmaceuticals*, 14(10), 1058. <https://doi.org/10.3390/ph14101058>
16. Naomi, R., Bahari, H., Yazid, M. D., **Othman, F.**, Zakaria, Z. A., Hussain, M. K. 2021. Potential Effects of Sweet Potato (*Ipomoea batatas*) in Hyperglycemia and Dyslipidemia—A Systematic Review in Diabetic Retinopathy Context. *International Journal of Molecular Sciences*. 22(19):10816. <https://doi.org/10.3390/ijms221910816>
17. Balan, S.S., Maya, S., Abidin, A. Z., Fuad, M., **Othman, F.** and Bahari, H. 2021. Evaluation on the Effectiveness of Using 3D Rat Model for Teaching Blood Withdrawal Technique among Undergraduate Students. *Universal Journal of Educational Research*. 9(1), 10 - 16. doi:10.13189/ujer.2021.090102

Conference Proceedings (in 5 years)

1. Santhra Segaran Balan, Monisha Thanka Velu, Azrina Zainal Abidin, Hasnah Bahari, **Fezah Othman.** Antipsoriatic Activity of Liberia Coffee Peel Extract on IMQ-induced Psoriasis-like Dermatitis in Mice. The 3rd International Conference on Health Sciences. [08-08-2024 – 09-08-2024], 2024.
2. Ahmad Safiyyu'd-din Hisamuddin, Khairul Aiman Manan, Mohd Khairi Hussain, Hasnah Bahari, **Fezah Othman.** Acute and Subacute Toxicological Assessment of Ethanolic Extract of Ipomoea Batatas (Purple Sweet Potato) Leaves in Sprague Dawley Rats. 9th International Symposium on Applied Engineering and Sciences (SAES2021), [05-12-2021 - 08-12-2021], 2021.
3. Khairul Aiman Manan, Ahmad Safiyyu'd-din Hisamuddin, **Fezah Othman**, Mohd Khairi Hussain, Hasnah Bahari. Toxicity Assessment of Ethanolic Extract of Ipomoea batatas 9th International Symposium on Applied Engineering and Sciences (SAES2021), (Sweet Potato) Leaves, Petioles and Tubers on Zebrafish (*Danio rerio*) Embryos. [05-12-2021 - 08-12-2021], 2021.
4. **Fezah Othman**, Roslaini Abd Majid and Dana Durka. Effect of the combination of *Andrographis paniculata* extract and pyrimethamine on *Toxoplasma gondii*. 8th International Symposium on Applied Engineering and Sciences (SAES2020), [12-12-2020 - 19-12-2020], 2021.



5. Mohd Afiq Syahmi Shari, **Fezah Othman**, Hasiah Ab Hamid, and Amin Ismail. Sweet potato (*Ipomoea batatas* L.) leaf: An agricultural byproduct with a promising underexploited source of natural antioxidants. 8th International Symposium on Applied Engineering and Sciences (SAES2020), [12-12-2020 - 19-12-2020], 2020.

Books (If any)

Chapter in Books (If any)

1. Zainul Amiruddin Zakaria, **Fezah Othman**, Mohd Hijaz Mohd Sani, Noraina Muhamad Zakuan, Wan Salman Wan Saudi, Tavamani Balan. 2024. Antiparasitic, Antibacterial and Antifungal Properties of Essential Oils Obtained from Medicinal Plants Available in the Southeast Asian Region in *Essential Oils: Biological and Industrial Applications*, New Edition, CRC Press Taylor and Francis Group, 9781032697598 , [1-202].

Research Grants

1. Design, synthesis and biological evaluation of novel schiff base derivatives of sulfonylureas drugs as dpp-4 inhibitors to effectively treat type 2 diabetes mellitus. Collaborative research initiative grant scheme (C-RIGS-Matching Grant), 2024-2026
2. Evaluation of phytochemicals, antioxidants and anti-diabetic potential of Melinjo (*Gnetum gnemon*) fruit peel extract in STZ-induced diabetic rats (Geran Putra-Matching Grant), 2024-2026
3. Cognitive function restoration in obese dams' offspring via gut microbiota manipulation using 3'4'5'-Trimethoxyflavone prebiotic . (FRGS 2020-1), 2020-2023
4. Effect of Lutein from sweet potato leaves in various inflammatory and oxidative stress markers in Diabetic Retinopathy models. (FRGS 2019-1), 2019-2022
5. One Pot Synthesis and nanotoxicity of monodisperse ferrite-based magnetic nanoparticles for possible biomedical applications. (FRGS 2018-1), 2018-2020
6. The effect of sweet potato (*Ipomoea batatas*) leaf aqueous extract on Imiquimod-induced psoriasis-like skin lesions in mice (Geran Putra Fast Track), 2028-2020
7. *In vitro* effects of carotenoid-rich extract from sweet potato (*Ipomoea batatas*) leaves on high glucose-induced oxidative stress in human retinal endothelial cells (Geran Putra IPS), 2018-2020

Awards/ Recognition (Current)

No	Award/recognition	Organization	Year
1	Gold Medal for Putra Innocreative Poster Competition 2023 of "Force M! A Forensic Science Gamification and Game-based Learning Pedagogy in Improving Student's Learning Gains." At the 6 th International in Teaching and Learning (I-PICTL) 2023	Universiti Putra Malaysia	2023



2	UPM Excellence Service Award	Universiti Putra Malaysia	2022
3	UPM Excellence Service Award	Universiti Putra Malaysia	2019
4	Bronze Medal for the innovation of "Suppression of DMBA/Croton Oil-induced Mouse Skin Tumor Promotion by <i>Ardisia crispa</i> Root hexane Extract" at Pameran RekaCipta, Penyelidikan dan Inovasi Malaysia	Universiti Putra Malaysia	2012
5	Scholarship of Skim Latihan Akademik Bumiputera (SLAB)	Kementerian Pengajian Tinggi/ Universiti Putra Malaysia	2005
6	Scholarship of Skim Latihan Akademik Bumiputera (SLAB)	KPT/UPM	2005
7	2004 UPM excellence service award	Universiti Putra Malaysia	3 Oct 2005
8	Second place in the Best Posters during Aromatic and Medicinal Plant Seminar, FRIM	Natural Product Society, Malaysia	25 July 2001
9	Federal Flour Mill Award for Best Student in Nutrition (July 1997)	Federal Flour Mills Sd. Bhd	25 July 1997
10	Elanco Gold Award for Best Student of Diploma in Animal Production and Health Graduate of 1993	Elanco Sdn. Bhd	8 July 1993
11	Kentucky Fried Chicken Award for Best student in Animal Production	Kentucky Fried Chicken Sdn. Bhd.	18 June 1992
12	Listed in the Dean's List for Academic excellence for 4 semesters in Diploma in Animal Health & Production Program (From 1991 to 1992)	Faculty of Veterinary Medicine & Animal Sciences, UPM	1991-1992