

# CURRICULUM VITAE



<b>A. BUTIR-BUTIR PERIBADI</b> ( <i>Personal Details</i> )			
Nama Penuh ( <i>Full Name</i> )	Ahmad Faizal Abdull Razis		Gelaran ( <i>Title</i> ): Associate Professor Dr
No. MyKad / No. Pasport ( <i>Mykad No. / Passport No.</i> )	Warganegara ( <i>Citizenship</i> ) Malaysia	Bangsa ( <i>Race</i> ) Malay	Jantina ( <i>Gender</i> ) Male
Jawatan ( <i>Designation</i> )	Associate Professor	Tarikh Lahir ( <i>Date of Birth</i> )	11 Jan 1981
H-index (Scopus): 18	Citation: 1040		

Alamat Semasa ( <i>Current Address</i> )	Jabatan/Fakulti ( <i>Department/Faculty</i> )	E-meldan URL ( <i>E-mail Address and URL</i> )
Natural Medicines and Products Research Laboratory, Institute of Bioscience, Universiti Putra Malaysia, 43400 UPM, Serdang, Selangor, MALAYSIA  Tel: + 603 - 9769 3073	Department of Food Science, Faculty of Food Science and Technology, Universiti Putra Malaysia, 43400 UPM, Serdang, Selangor, MALAYSIA  Tel: +603-89468364 Fax: +603-89485980	E-mail: <a href="mailto:madfaizal@upm.edu.my">madfaizal@upm.edu.my</a>  URL:-  H/P: +6011-15662667

<b>B. KELAYAKAN AKADEMIK</b> ( <i>Academic Qualification</i> )			
Nama Sijil/ Kelayakan ( <i>Certificate / Qualification obtained</i> )	Nama Sekolah/Institusi ( <i>Name of School/ Institution</i> )	Tahun ( <i>Year obtained</i> )	Bidang pengkhususan ( <i>Area of Specialization</i> )
PhD	University of Surrey, England	2012	Food Toxicology
MSc	Universiti Putra Malaysia	2007	Recombinant Vaccine
BSc	Universiti Putra Malaysia	2003	Biomedical Sciences
Certificate in Fundamentals of Clinical Research and Good Clinical Practice	Brookwood International Academy, United Kingdom	2012	Clinical Trials
Certificate in Essential Good Clinical Practice	Brookwood International Academy, United Kingdom	2011	Clinical Trials
Certificate for Personnel working under the Animals (Scientific Procedures) Act 1986	Institute of Biology, Imperial College of London	2008	Modules 1, 2 and 3

<b>C. KEMAHIRAN BAHASA</b> ( <i>Language Proficiency</i> )					
Bahasa / <i>Language</i>	Lemah <i>Poor (1)</i>	Sederhana <i>Moderate (2)</i>	Baik <i>Good (3)</i>	Amat Baik <i>Very good (4)</i>	Cemerlang <i>Excellent (5)</i>
English				/	
Bahasa Melayu (Malay)					/
Chinese					
Lain-lain ( <i>other</i> ): <i>Arabic</i>			/		

<b>D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN</b> ( <i>Scientific experience and Specialisation</i> )				
<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>
International Society for the Study of Xenobiotics (ISSX)	Member	2010	2012	Xenobiotics
British Toxicology Society (BTS)	Member	2010	2012	Toxicology
Tissue Engineering and Regenerative Medicine Society of Malaysia (TESMA)	Member	2006	Present	Tissue Engineering
Institutional Animal Care and Use Committee (IACUC), Universiti Putra Malaysia	Member	2015	Present	Toxicology
Member of Ad Hoc Committee for Genetically-modified Food, Ministry of Health, Malaysia	Member	2012	Present	Genetically-modified Food
Member of Ad Hoc Committee for Veterinary Drug Residues, Ministry of Health, Malaysia	Member	2014	Present	Veterinary Drug Residues
Malaysian Society of Toxicology (MySOT)	Member	2015	Present	Toxicology
Member of Ad Hoc Committee for Food Contaminants, Ministry of Health, Malaysia	Member	2015	Present	Food Contaminants
University of Zurich, Switzerland	Visiting scientist	22/9/2015	30/9/2015	Microgravity research
Food Analyst under Food Analyst Act 2011	Member	Registered 2017	Present	Chemistry
Malaysian Society of Toxicology (MySOT)	Vice President	2019	2021	Toxicology
International Food Research Journal	Associate Editor	2018	Present	Toxicology
International Journal of Environmental Research and Public Health	Guest Editor	2020	2021	Food Contaminants
Frontiers in Chemistry	Guest Editor	2020	2021	Nutritional Toxicology

<b>E. PEKERJAAN (Employment)</b>				
Majikan / Employer	Jawatan / Designation	Jabatan / Department	Tarikh lantikan / Start Date	Tarikh tamat / Date Ended
Universiti Putra Malaysia, 43400 UPM, Serdang, Selangor.	Head	Natural Medicines and Products Research Laboratory, Institute of Bioscience	1 July 2020	Present
Universiti Putra Malaysia, 43400 UPM, Serdang, Selangor.	Head	Laboratory of Molecular Biomedicine, Institute of Bioscience	1 May 2017	30 April 2020
Universiti Putra Malaysia, 43400 UPM, Serdang, Selangor.	Associate Professor	Faculty of Food Science and Technology	1 September 2016	Present
Universiti Putra Malaysia, 43400 UPM, Serdang, Selangor.	Senior Lecturer	Faculty of Food Science and Technology	1 June 2012	31 August 2016
Universiti Putra Malaysia, 43400 UPM, Serdang, Selangor.	Tutor	Faculty of Food Science and Technology	1 March 2007	31 May 2012
Universiti Putra Malaysia, 43400 UPM, Serdang, Selangor.	Research Assistant	Institute of Bioscience	August 2003 June 2006	August 2004 February 2007

<b>F. ANUGERAH DAN HADIAH (Honours and Awards)</b>				
Name of awards	Title	Award Authority	Award Type	Year
Academic Awards	Travel Grant	Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA)	To attend the 3 <sup>rd</sup> International Seminar on Smart Molecule of Natural Resources (ISSMART)	2021
	Best Oral Presentation	3 <sup>rd</sup> International Seminar on Smart Molecule of Natural Resources (ISSMART)	International Conference	2021
	Best Oral Presentation	ICADD 2018, UKM	International Conference	2018
	Best Poster Presentation	PIPOC 2017, MPOB	International Conference	2017

	<p>TWAS Research and Advanced Training Fellowship</p> <p>Ruth Humphrey Fund, London, U.K worth £510 to attend ISSX meeting at Istanbul, Turkey, 2010.</p>	<p>UNESCO</p> <p>University of Surrey, U.K</p>	<p>International</p> <p>National</p>	<p>2016</p> <p>2010</p>
Non-Academic Awards	Excellence service	Universiti Putra Malaysia	National	2007, 2012-2020
<b>G. SENARAI PENERBITAN</b> <i>(List of publications – author(s), title, journal, volume, page and year published)</i>				
Journal	<ol style="list-style-type: none"> <li>1. Fakhlaei, R., Selamat, J., <b>Razis, A. F. A.</b>, Sukor, R., Ahmad, S., Amani Babadi, A., &amp; Khatib, A. (2021). In Vivo Toxicity Evaluation of Sugar Adulterated Heterotrigna itama Honey Using Zebrafish Model. <i>Molecules</i>, 26(20), 6222.</li> <li>2. Usman, S., <b>Abdull Razis, A. F.</b>, Shaari, K., Amal, M. N. A., Saad, M. Z., Mat Isa, N., &amp; Nazarudin, M. F. (2021). Polystyrene Microplastics Exposure: An Insight into Multiple Organ Histological Alterations, Oxidative Stress and Neurotoxicity in Javanese Medaka Fish (<i>Oryzias javanicus</i> Bleeker, 1854).</li> </ol>			

	<p>International Journal of Environmental Research and Public Health, 18(18),9449.</p> <ol style="list-style-type: none"> <li>3. Waqas, M., Iqbal, S. Z., <b>Abdull Razis, A. F.</b>, Pervaiz, W., Ahmad, T., Usman, S., ... &amp; Asi, M. R. (2021). Occurrence of Aflatoxins in Edible Vegetable Seeds and Oil Samples Available in Pakistani Retail Markets and Estimation of Dietary Intake in Consumers. International Journal of Environmental Research and Public Health, 18(15),8015.</li> <li>4. Sharifi-Rad, J., Quispe, C., Herrera-Bravo, J., Belén, L. H., Kaur, R., Kregiel, D., ... &amp; Suleria, H. A. R. (2021). Glycyrrhiza Genus: Enlightening Phytochemical Components for Pharmacological and Health-Promoting Abilities. Oxidative Medicine and Cellular Longevity, 2021.</li> <li>5. Sharifi-Rad, J., Quispe, C., Imran, M., Rauf, A., Nadeem, M., Gondal, T. A., ... &amp; Calina, D. (2021). Genistein: An Integrative Overview of Its Mode of Action, Pharmacological Properties, and Health Benefits. Oxidative Medicine and Cellular Longevity, 2021.</li> <li>6. Nematbakhsh, S., Selamat, J., Idris, L. H., &amp; <b>Abdull Razis, A. F.</b> (2021). Chicken Authentication and Discrimination via Live Weight, Body Size, Carcass Traits, and Breast Muscle Fat Content Clustering as Affected by Breed and Sex Varieties in Malaysia. Foods, 10(7), 1575.</li> <li>7. Islam, M.T., Quispe, C., Islam, M.A., Ali, E.S., Saha, S., Asha, U.H., Mondal, M., <b>Razis, A.F.A.</b>, Sunusi, U., Kamal, R.M. and Kumar, M., 2021. Effects of nerol on paracetamol-induced liver damage in Wistar albino rats. Biomedicine &amp; Pharmacotherapy, 140, p.111732.</li> <li>8. Muronga, M., Quispe, C., Tshikhudo, P.P., Msagati, T.A., Mudau, F.N., Martorell, M., Salehi, B., <b>Abdull Razis, A.F.</b>, Sunusi, U., Kamal, R.M. and Sharifi-Rad, J., 2021. Three Selected Edible Crops of the Genus Momordica as Potential Sources of Phytochemicals: Biochemical, Nutritional, and Medicinal Values. Frontiers in Pharmacology, 12, p.1123.</li> <li>9. Muhialdin, B. J., Zawawi, N., <b>Razis, A. F. A.</b>, Bakar, J., &amp; Zarei, M. (2021). Antiviral activity of fermented foods and their probiotics bacteria towards respiratory and alimentary tracts viruses. Food Control, 108140.</li> <li>10. Zuliana Zakaria, Nur Syahirah Zulkafflee, Nurul Adillah Mohd Redzuan, Jinap Selamat, Mohd Razi Ismail, Sarva Mangala Praveena, Gergely Tóth and <b>Ahmad Faizal Abdull Razis</b>. Understanding Potential Heavy Metal Contamination, Absorption, Translocation and Accumulation in Rice and Human Health Risks. Plants. 10 (6), 1070.</li> <li>11. Javad Sharifi-Rad, Elen Cristina Quispe Chávez, Mukazhanova Zhazira, Ewa Knut, Aknur Turgumbayeva, Aliya Kipchakbayeva, Gulnaz Seitimova, Fawzi M. Mahomoodally, Devina Lobine, Aaron Koay, Jinfan Wang, Helen Sheridan, Gerardo Leyva-Gómez, Maria Luisa Del Prado, Hernan Cortes, Antonio Rescigno, Paolo Zucca, Oksana Sytar, Muhammad Imran, Célia F. Rodrigues, Natália Cruz-Martins, Halina Ekiert, Manoj Kumar, <b>Ahmad Faizal Abdull Razis</b>, Usman Sunusi, Ramla Muhammad Kamal, Agnieszka Szopa. Resveratrol as an anti-cancer agent: Its nano-formulations as an emerging cancer therapy. Frontiers in Molecular Biosciences, 8, 222.</li> <li>12. Shahzad Zafar Iqbal, <b>Ahmad Faizal Abdull Razis</b>, Sunusi Usman, Nada Basheir Ali and Muhammad Rafique Asi. Variation of Deoxynivalenol Levels in Corn and Its Products Available in Retail Markets of Punjab, Pakistan, and Estimation of Risk Assessment. Toxins. 13 (5), 296.</li> </ol>
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13. Nematbakhsh, S., Pei, C. P., Selamat, J., Nordin, N., Idris, L. H., & **Razis, A. F. A.** (2021). Molecular Regulation of Lipogenesis, Adipogenesis and Fat Deposition in Chicken. *Genes*, 12(3), 414.
14. Bahare Salehi, Cristina Quispe, Muhammad Imran, Iahtisham-Ul-Haq, Jelena Živković, Ibrahim M. Abu-Reidah, Surjit Sen, Yasaman Taheri, Krishnendu Acharya, Hamed Azadi, María del Mar Contreras, Antonio Segura-Carretero, Dima Mnayer, Gautam Sethi, Miquel Martorell, **Ahmad Faizal Abdull Razis**, Usman Sunusi, Ramla Muhammad Kamal, Hafiz Ansar Rasul Suleria, Javad Sharifi-Rad\*. Nigella plants – A Comprehensive review on bioactive nutrients and phytopharmacological applications. *Frontiers in Pharmacology*, 12, 417.
15. Aslam, K., Iqbal, S. Z., **Razis, A. F. A.**, Usman, S., & Ali, N. B. (2021). Patulin Contamination of Citrus Fruits from Punjab and Northern Pakistan and Estimation of Associated Dietary Intake. *International Journal of Environmental Research and Public Health*, 18(5), 2270.
16. Zulkafflee, N. S., Redzuan, N. A. M., Selamat, J., Ismail, M. R., Praveena, S. M., & **Razis, A. F. A.** (2021). Evaluation of Heavy Metal Contamination in Paddy Plants at the Northern Region of Malaysia Using ICPMS and Its Risk Assessment. *Plants*, 10(1), 3.
17. Iqbal, M.J., Quispe, C., Javed, Z., Sadia, H., Qadri, Q.R., Raza, S., Salehi, B., Cruz-Martins, N., Mohamed, Z.A., Jaafaru, M.S. and **Razis, A.F.A.**, 2020. Nanotechnology-based strategies for berberine delivery system in cancer treatment: pulling strings to keep berberine in power. *Frontiers in Molecular Biosciences*, 7.
18. **Razis, A. F. A.**, Shehzad, M. M., Usman, S., Ali, N. B., Iqbal, S. Z., Naheed, N., & Asi, M. R. (2020). Seasonal Variation in Aflatoxin Levels in Edible Seeds, Estimation of Its Dietary Intake and Vitamin E Levels in Southern Areas of Punjab, Pakistan. *International Journal of Environmental Research and Public Health*, 17(23), 8964.
19. Usman, S., **Abdull Razis, A. F.**, Shaari, K., Amal, M. N. A., Saad, M. Z., Mat Isa, N., ... & Ibrahim, M. A. (2020). Microplastics Pollution as an Invisible Potential Threat to Food Safety and Security, Policy Challenges and the Way Forward. *International Journal of Environmental Research and Public Health*, 17(24), 9591.
20. Chandan Sarkar, Cristina Quispe, Sarmin Jamaddar, Rajib Hossain, Pranta Ray, Milon Mondal, Zeinab Abdulwanis Mohamed, Mohammed Sani Jaafaru, Bahare Salehi, Muhammad Torekul Islam, **Ahmad Faizal Abdull Razis**, Miquel Martorell, Edgar Pastene-Navarrete, Javad Sharifi-Rad. Therapeutic promises of ginkgolide A: A literature-based review. *Biomedicine & Pharmacotherapy* 132 (2020) 110908.
21. Rafieh Fakhlaei, Jinap Selamat, Alfi Khatib, **Ahmad Faizal Abdull Razis**, Rashidah Sukor, Syahida Ahmad and Arman Amani Babadi. The Toxic Impact of Honey Adulteration: A Review. *Foods* 2020, 9, 1538; doi:10.3390/foods9111538.
22. Abdulwanis Mohamed, Z., Mohamed Eliaser, E., Jaafaru, M. S., Nordin, N., Ioannides, C., & **Abdull Razis, A. F.** (2020). Neuroprotective Effects of 7-Geranyloxy cinnamic Acid from Melicope lunu ankenda Leaves. *Molecules*, 25(16), 3724.
23. Shahzad Zafar Iqbal, Sunusi Usman, **Ahmad Faizal Abdull Razis**, Nada Basheir Ali, Tahmina Saif and Muhammad Rafique Asi. Assessment of deoxynivalenol in wheat, corn and its 2 products and estimation of dietary intake. *Int. J. Environ. Res. Public Health* 2020, 17, 5602; doi:10.3390/ijerph17155602.
24. Alireza Khodavandi, Fahimeh Alizadeh, **Ahmad Faizal Abdull Razis**. Association between dietary intake and risk of ovarian

cancer: a systematic review and meta-analysis. *European Journal of Nutrition*. Doi.org/10.1007/s00394-020-02332-y.

25. Muhammad Torequl Islam, Mohammad Asikur Rahman, Maria Saeed, Zaheer Ul-Haq, Md. Jahir Alam, Milon Mondal, Rajib Hossain, Mohammad S. Mubarak, Bahare Salehi, William N. Setzer, **Ahmad Faizal Abdull Razis**, Javad Sharifi-Rad. Anti-diarrheal activities of phytol along with its possible mechanism of action through in-vivo and in-silico models. *Cellular and Molecular Biology*. Doi: <http://dx.doi.org/10.14715/cmb/2020.66.4.29>.
26. Che Idris, C. A., Wai Lin, S., & **Abdull Razis, A. F.** (2020). Hypocholesterolaemic and Anti-Atherogenic Effects of Palm-Based Oils (NoveLin I and NoveLin II) in Cholesterol-Fed Rabbits. *International Journal of Environmental Research and Public Health*, 17(9), 3226.
27. Arumugam, A., Ibrahim, M. D., Kntayya, S. B., Mohd Ain, N., Iori, R., Galletti, S., ... & **Abdull Razis, A. F.** (2020). Induction of Apoptosis by Gluconasturtiin-Isothiocyanate (GNST-ITC) in Human Hepatocarcinoma HepG2 Cells and Human Breast Adenocarcinoma MCF-7 Cells. *Molecules*, 25(5), 1240.
28. Zulkafflee, N. S., Redzuan, M., Adillah, N., Hanafi, Z., Selamat, J., Ismail, M. R., ... & **Abdull Razis, A. F.** (2019). Heavy Metal in Paddy Soil and its Bioavailability in Rice Using In Vitro Digestion Model for Health Risk Assessment. *International Journal of Environmental Research and Public Health*, 16(23), 4769.
29. Jaafaru, M. S., Nordin, N., Rosli, R., Shaari, K., Noor, N. M., & **Razis, A. F. A.** (2019). Prospective role of mitochondrial apoptotic pathway in mediating GMG-ITC to reduce cytotoxicity in H2O2-induced oxidative stress in differentiated SH-SY5Y cells. *Biomedicine & Pharmacotherapy*, 119, 109445.
30. Jaafaru, M. S., Nordin, N., Rosli, R., Shaari, K., Saad, N., Noor, N. M., & **Razis, A. F. A.** (2019). Neuroprotective effects of glucomoringin-isothiocyanate against H2O2-Induced cytotoxicity in neuroblastoma (SH-SY5Y) cells. *Neurotoxicology*, 75, 89-104.
31. Abdulwanis Mohamed, Z., Mohamed Eliaser, E., Mazzon, E., Rollin, P., Cheng Lian Ee, G., **Razis, A., & Faizal, A.** (2019). Neuroprotective Potential of Secondary Metabolites from Melicope lunu-ankenda (Rutaceae). *Molecules*, 24(17), 3109.
32. Mohd Jaih, A. A., Abdul Rahman, R., **Abdull Razis, A. F.**, Ariffin, A. A., Al-Awaadh, A. and Suleiman, N (2019). Fatty acid, triacylglycerol composition and antioxidant properties of date seed oil. *International Food Research Journal*. 26(2): 517-527.
33. Che Anishas Che Idris, Kalyana Sundram and **Ahmad Faizal Abdull Razis** (2018). Effect of Consumption Heated Oils with or without Dietary Cholesterol on the Development of Atherosclerosis. *Nutrients*. 10(10), 1527.
34. Mohammed Sani Jaafaru, Nurul Ashikin Abd Karim, Enas Mohamed Eliaser, Peter Maitalata Waziri, Hamidu Ahmed, Mohammed Mustapha Barau, Liliya Kong and **Ahmad Faizal Abdull Razis** (2018). Nontoxic Glucomoringin-Isothiocyanate (GMG-ITC) Rich Soluble Extract Induces Apoptosis and Inhibits Proliferation of Human Prostate Adenocarcinoma Cells (PC-3). *Nutrients*. 10(9), 1174.
35. Muhammad Din Ibrahim, Saie Brindha Kntayya, Nooraini Mohd Ain, Renato Iori, Costas Ioannides and **Ahmad Faizal Abdull Razis** (2018). Induction of Apoptosis and Cytotoxicity by Raphasatin in Human Breast Adenocarcinoma MCF-7 Cells. *Molecules*. 23(12), 3092.
36. Shabnam Sepahpour, Jinap Selamat, Alfi Khatib, Mohd Yazid Abdul Manap, **Ahmad Faizal Abdull Razis** (2018) & Parvaneh Hajeb. Inhibitory effect of mixture herbs/spices on formation of

	<p>heterocyclic amines and mutagenic activity of grilled beef. <i>Journal Food Additives &amp; Contaminants: Part A</i>. Volume 35, Issue 10.</p> <p>37. Wipawan Muanghorn, Nattaya Konsue, Hasan Sham, Zainon Othman, Faizal Mohamed, Noramaliza Mohd Noor, Norsyafiqah Othman, Nur Shamin Shyamimi Mohd Noor Akmal, Nurulhuda Ahmad Fauzi, Mary Margaret Packiamuthu Dewaprigam Solomen, <b>Ahmad Faizal Abdull Razis</b> (2018). Effects of gamma irradiation on tropomyosin allergen, proximate composition and mineral elements in giant freshwater prawn (<i>Macrobrachium rosenbergii</i>). <i>Journal of Food Science and Technology</i>. Volume 55, Issue 5, pp 1960–1965.</p> <p>38. Saie Brindha Kntayya, Muhammad Din Ibrahim, Nooraini Mohd Ain, Renato Iori, Costas Ioannides and <b>Ahmad Faizal Abdull Razis</b> (2018). Induction of Apoptosis and Cytotoxicity by Isothiocyanate Sulforaphene in Human Hepatocarcinoma HepG2 Cells. <i>Nutrients</i>. 10(6), 718.</p> <p>39. Enas Mohamed Elia ser, Jun Hui Ho, Najihah Mohd. Hashim, Yaya Rukayadi, Gwendoline Cheng Lian E and <b>Ahmad Faizal Abdull Razis</b> (2018). Phytochemical Constituents and Biological Activities of Melicope lunu-ankenda. <i>Molecules</i>. 23, 2708.</p> <p>40. Mohammed Sani Jaafaru, Nurul Ashikin Abd Karim, Mohamad Elia ser Enas, Patrick Rollin, Emanuela Mazzon and <b>Ahmad Faizal Abdull Razis</b> (2018). Protective Effect of Glucosinolates Hydrolytic Products in Neurodegenerative Diseases (NDDs). <i>Nutrients</i>. 10(5).</p> <p>41. Shabnam Sepahpour, Jinap Selamat, Mohd Yazid Abdul Manap, Alfi Khatib and <b>Ahmad Faizal Abdull Razis</b> (2018). Comparative Analysis of Chemical Composition, Antioxidant Activity and Quantitative Characterization of Some Phenolic Compounds in Selected Herbs and Spices in Different Solvent Extraction Systems. <i>Molecules</i>. 23(2).</p> <p>42. <b>Ahmad Faizal Abdull Razis</b> (2018) Nattaya Konsue Costas Ioannides. Isothiocyanates and Xenobiotic Detoxification. <i>Molecular Nutrition &amp; Food Research</i>. 62, 1700916.</p> <p>43. Asvinidevi Arumugam, <b>Ahmad Faizal Abdull Razis</b> (2018). Apoptosis as a Mechanism of the Cancer Chemopreventive Activity of Glucosinolates: a Review. <i>Asian Pacific Journal of Cancer Prevention</i>. 19(6): 1439–1448.</p> <p>44. Mohammed Sani Jaafaru, Norshariza Nordin, Khozirah Shaani, Rozita Rosli, <b>Ahmad Faizal Abdull Razis</b> (2018). Isothiocyanate from <i>Moringa oleifera</i> seeds mitigates hydrogen peroxide-induced cytotoxicity and preserved morphological features of human neuronal cells. <i>PloS ONE</i> 13(5): e0196403.</p> <p>45. AL-Zuaidy, M. H., Ismail, A., Mohamed, S., <b>Razis, A. F. A.</b>, Mumtaz, M. W., &amp; Hamid, A. A. (2018). Antioxidant effect, glucose uptake activity in cell lines and cytotoxic potential of Melicope Lunu-Ankenda leaf extract. <i>Journal of Herbal Medicine</i>.</p> <p>46. Hazrulrizawati Abd Hamid, Roziasyahira Mutazaha, Mashitah M. Yusoff, Nurul Ashikin Abd Karim, <b>Ahmad Faizal Abdull Razis</b> (2017). Comparative analysis of antioxidant and antiproliferative activities of <i>Rhodomyrtus tomentosa</i> extracts prepared with various solvents. <i>Food and Chemical Toxicology</i>. Volume 108, Part B, October 2017, Pages 451–457.</p> <p>47. Nattaya Konsue and <b>Ahmad Faizal Abdull Razis</b> (2016). Cytotoxicity of Gluconasturtiin and Its Derivative against MCF-7 and HepG2. <i>KKU Science Journal</i> Volume 44 Number 2.</p> <p>48. Nurul Ashikin Abd Karim, Muhammad Din Ibrahim, Saie Brindha Kntayya, Yaya Rukayadi, Hazrulizawati Abd Hamid, <b>Ahmad Faizal Abdull Razis</b> (2016). <i>Moringa oleifera</i> Lam: Targeting Chemoprevention. <i>Asian Pac J Cancer Prev</i>. 17 (8), 3675–3686</p>
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	<p>49. Noramaliza, M.N., Maryam, A.J., Hassan, S., Wan Saffiey, W.A., Nizam, T., Faizal, M., David, A.B., and <b>Ahmad Faizal, A.R.</b> (2016). Characterization of Fabricated Optical Fiber for Food Irradiation Dosimetry. <i>International Food Research Journal</i>. 23(5): 2125-2129.</p> <p>50. Elliyana Nadia Hamidi, Parvaneh Hajeb, Jinap Selamat, <b>Ahmad Faizal Abdull Razis</b> (2016). Polycyclic Aromatic Hydrocarbons (PAHs) and Its Bioaccessibility in Meat: A tool for assessing human cancer risk. <i>Asian Pac J Cancer Prev</i>. 17 (1), 15-23</p>
<i>Books/Monographs</i>	nil
<i>Chapter in book</i>	<ol style="list-style-type: none"> <li>1. Asvinidevi Arumugam and <b>Ahmad Faizal Abdull Razis</b> (2017) Glucosinolates and Isothiocyanates: Cancer Preventive Effects. In <i>Fruit and Vegetable Phytochemicals: Chemistry and Human Health</i> (2 edition), Elhadi M. Yahia (Wiley-Blackwell).</li> <li>2. Ismail, N., Azmi, N. H., Mastuki, S. N., Saad, N., &amp; <b>Razis, A. F. A.</b> (2019). <i>Antidesma montanum</i>: Biochemistry and Bioactive Compounds. In <i>Wild Fruits: Composition, Nutritional Value and Products</i> (pp. 359-365). Springer, Cham.</li> </ol>
<i>Patent</i>	<ol style="list-style-type: none"> <li>1. A Method of Isolating Glucomoringin from <i>Moringa oleifera</i> PI 2018703283 Filing date: 14/09/2018</li> </ol>
<i>Panelist in mass media</i>	<ol style="list-style-type: none"> <li>1. Kesan mikrograviti terhadap penuaan, Metro Ahad, 2015</li> <li>2. Kajian bidang sains mikrograviti, Utusan Malaysia, 2015</li> <li>3. Yakult anjur kempen makan sihat, Utusan Malaysia, 2016</li> <li>4. Jangan terlena dengan makanan raya, ingat pasal kesihatan, Bernama, 2017</li> <li>5. Hari Raya bukan tiket makan sesuka hati, Sinar, 2017</li> <li>6. Selamatkah Makanan Anda? Utusan Malaysia, 2017</li> </ol>
<i>Proceedings</i>	<p><b>International</b></p> <ol style="list-style-type: none"> <li>1. <b>Abdull Razis, A.F.</b> Health Risk Assessment Using In Vitro Digestion Model in Assessing Bioavailability of Heavy Metal in Rice. 7th International Symposium on Applied Engineering and Sciences, November 11-12, 2019. Oral Presentation.</li> <li>2. <b>Abdull Razis, A.F.</b> Abrogation of Apoptosis In Vitro by Glucomoringin Isothiocyanate on H<sub>2</sub>O<sub>2</sub>-Induced Cytotoxicity in Differentiated SH-SY5Y Cells. Malaysia International Genetic Congress 13, November 19-21, 2019. Oral Presentation.</li> <li>3. Che Anishas Che Idris, Teng Kim Tiu, <b>Ahmad Faizal Abdull Razis</b>, John Shia Kwong Siew, Nurul Nabila Ibrahim Zaki. Effects of Dietary Fats on Non-Alcoholic Fatty Liver Disease (NAFLD): Animal Study. MPOB International Palm Oil Congress and Exhibition (PIPOC 2019), 19-21 November 2019. Poster Presentation.</li> <li>4. <b>Abdull Razis, A.F.</b> Anti-Cancer Properties of Aqueous <i>Moringa oleifera</i> Seed Extract Against Human Prostate Cancer Cell Line (PC-3), ICNP2017, UPSI, Malaysia, 2017. Oral Presentation.</li> <li>5. <b>Abdull Razis, A.F.</b> Cytotoxicity and Apoptotic Induction of Glucoraphenin-Isothiocyanate (GRE-ITC) Isolated from <i>Raphanus sativus</i> against Human Hepatocellular Carcinoma (HEPG2) Cell Line, ICNP2017, UPSI, Malaysia, 2017. Oral Presentation.</li> </ol>

	<ol style="list-style-type: none"> <li>6. Mohammed Sani Jaafaru, <b>Ahmad Faizal Abdul Razis</b>, Norshaiza Nordin, Khozirah Shaari, Rozita Rosli, Eliaser Enas and Nurul Ashikin Abd Karim. Glucomoringin-isothiocyanate (GMG-ITC) Isolated from Moringa oleifera Lam Seeds Protect Neuronal Cells against H<sub>2</sub>O<sub>2</sub> Induced Neurodegeneration. International Malaysian French Scientific Conference 2017 (IMFSC 2017), Malaysia. Oral Presentation.</li> <li>7. <b>Ahmad Faizal Abdul Razis</b> (2016) First Swiss Parabolic Flight: Sharing My First Experience. International Conference of Translational Molecular Imaging and Aero-Space Medicine &amp; Physiology Showcase (ICTMIPs 16), 15-16 April 2016, Kuala Lumpur, Malaysia. Guest Speaker.</li> <li>8. MD Ibrahim, SB Kntayya, NMohd Ain, SK Yeap, AB Abdul, <b>AF Abdul Razis</b>. 2015. Anti-cancer potential of Glucoraphasatin-Isothiocyanate (GRH-ITC) against human breast adenocarcinoma cell line, MCF-7. International Conference on Antioxidants and Degenerative Diseases (ICADD), 3-4 Jun 2015, Kuala Lumpur, Malaysia. Poster Presentation.</li> <li>9. <b>Abdull Razis, AF</b>. 2014. Interaction of isothiocyanates and glucosinolates with the Ah receptor as their chemopreventive potency. Glucosinolates and beyond, Third International Glucosinolate Conference, October 12-15, 2014, Wageningen, Netherland. Oral Presentation.</li> <li>10. <b>Ahmad Faizal Abdul Razis</b> and Nattaya Konsue. 2014. Phenethyl isothiocyanate suppresses the benzo[a]pyrene-mediated rise in hepatic CYP1A1 mRNA. Proceedings of 7th General Assembly and International Conference of Asian Pacific Organization for Cancer Prevention. March 20-23, 2014, Taipei, Taiwan. Poster Presentation.</li> <li>11. <b>Ahmad Faizal Abdul Razis</b>. 2013. Phenethyl isothiocyanate: a potential anti-cancer agent from watercress. Proceedings of 3rd World Congress on Cancer Science &amp; Therapy. October 21-23, 2013, San Francisco, California, USA. pp. 156. Oral Presentation.</li> <li>12. Nurul Syazwani Zainin, NorFarahin Halim, <b>Ahmad Faizal Abdul Razis</b>, Son Radu and Yaya Rukayadi. 2013. Antibacterial activity of Curcuma xanthorrhiza Roxb. and Boesenbergia rotunda (L.) Mansf. A. extracts against Vibrio parahaemolyticus isolated from shrimp. Conference Proceedings at 2nd Malaysia Thailand Graduate Forum in Life Science, Food Science and Agriculture (MTGF 2013), Faculty of Veterinary Medicine, UPM, 4-5 Dec 2013.</li> <li>13. Margaret, M., Jinap, S. and <b>Ahmad Faizal, A.R</b>. 2013. Allergens Derived from Shrimp: A Review. 2nd International Food Safety Conference 2013, The Royale Chulan Hotel, Kuala Lumpur, 2nd-3rd December 2013. Poster Presentation.</li> <li>14. Afiqah, F., Jinap, S. and <b>Ahmad Faizal, A.R</b>. 2013. Isolation of Tropomyosin as Major Allergen in Fermented Shrimp Product. 2nd International Food Safety Conference 2013, The Royale Chulan Hotel, Kuala Lumpur, 2nd- 3rd December 2013. Poster Presentation.</li> </ol>
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	<p>15. M. Hussein, T. Kadni, Sarene Chu S, D.A. Bradley, A. Nisbet, <b>Ahmad Faizal Abdull Razis</b>, Noramaliza M. Noor. 2012. Mailed Ge-Doped Optical Fibre Thermoluminescence Dosimetry Audit of Radiotherapy Dose Delivery. Conference Proceedings at International Conference on Radiation Safety in Healthcare 2012, Holiday Inn, Kuala Lumpur Glenmarie, Malaysia, 3th-5th November 2012.</p> <p>16. <b>Ahmad Faizal AR</b>, Noramaliza MN, De Nicola GR, Pagnotta E, Iori R, and Ioannides C. 2012. Modulation of Phase I and Phase II Enzymes by Glucosinolate Glucoraphanin and its Breakdown Product Sulforaphane. The 7th Princess Chulabhorn International Science Congress, Bangkok, Thailand, 29th November – 3rd December 2012. Poster Presentation.</p> <p>17. Constantina Kinni, <b>Ahmad Faizal Abdull Razis</b>, Gina Rosalinda De Nicola, Eleonora Pagnotta, Renato Iori and Costas Ioannides. 2012. Studies on glucoraphasatin extracted from Japanese radish Kaiware Daikon for anti-cancer agent. Surrey Postgraduate Research Conference 2012, University of Surrey, 31st January-1st February, 2012. Poster Presentation.</p> <p>18. <b>Ahmad Faizal Abdull Razis</b>, Manuela Bagatta, Gina Rosalinda De Nicola, Renato Iori and Costas Ioannides. 2011. Induction of epoxide hydrolase and glucuronosyl transferase by isothiocyanates and intact glucosinolates in precision-cut rat liver slices. Faculty of Health &amp; Medical Sciences Festival of Research 2011, University of Surrey, 5th July, 2011. Poster Presentation.</p> <p>19. <b>Ahmad Faizal Abdull Razis</b>, Manuela Bagatta, Gina Rosalinda De Nicola, Renato Iori and Costas Ioannides. 2010. Intact glucosinolates modulate hepatic cytochrome P450 and phase II conjugation activities and can contribute directly to the chemopreventive activity of cruciferous vegetables. Drug Metabolism Reviews 42(S1): 135. 9th International Society for the Study of Xenobiotics (ISSX) Meeting, Istanbul, Turkey, September 4-8, 2010. Poster Presentation.</p> <p>20. <b>Ahmad Faizal Abdull Razis</b>, Renato Iori and Costas Ioannides. 2010. The natural chemopreventive phytochemical R-sulforaphane is a far more potent inducer of the carcinogen-detoxifying enzyme systems in rat liver and lung than the S-isomer. Drug Metabolism Reviews 42(S1): 137. 9th International Society for the Study of Xenobiotics (ISSX) Meeting, Istanbul, Turkey, September 4-8, 2010. Poster Presentation.</p> <p>21. <b>Ahmad Faizal Abdull Razis</b>, Renato Iori and Costas Ioannides. 2010. The R-isomer of the chemopreventive phytochemical sulforaphane is far more potent inducer of the carcinogen-detoxifying enzyme systems in rat liver and lung than the S-isomer. Faculty of Health &amp; Medical Sciences Festival of Research 2010, University of Surrey, 6th July, 2010. Poster Presentation.</p> <p><i>National</i></p> <p>1. <b>Ahmad Faizal Abdull Razis</b> (2018) Evaluating the Safety of Low/Non-Calorie Sweeteners. Innovative Ingredients for a Better Health Seminar, 27 September 2018, Park Royal Hotel, Kuala Lumpur, Malaysia. Guest Speaker.</p>
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	<ol style="list-style-type: none"> <li>2. <b>Ahmad Faizal Abdul Razis</b> (2018) Effect of Gamma Irradiation on Allergen in Food. Seminar on Food Safety 2018, 3 -4 July 2018, Cititel, Mid Valley, Kuala Lumpur. Guest Speaker.</li> <li>3. Nurul Ashikin Abd Karim, <b>Ahmad Faizal Abdul Razis</b>, Yaya Rukayadi, Hazrulizawati Abd Hamid. Anticancer Activity of crude extracts from the seed of <i>Moringa oleifera</i> on cancer cell lines. Scientific Meeting of Malaysian Society of Pharmacology and Physiology (MSPP) 2017, HUSM, MALAYSIA. Poster Presentation.</li> <li>4. <b>Abdull Razis, A.F.</b> Bioaccessibility of Polycyclic Aromatic Hydrocarbons (PAHs), Seminar on Food Safety 2017, Malaysian Nuclear Agency, MALAYSIA, 2017. Guest Speaker.</li> <li>5. <b>Abdull Razis, A.F.</b> Glucosinolates and theirs Hydrolysis Product are Potent Inducers of Apoptosis and Cytotoxicity in Various Cancer Cells, Cancer Research Symposium, IBS, UPM, 2017. Guest Speaker.</li> <li>6. <b>Ahmad Faizal Abdul Razis</b> (2016) Cancer Causing Foods: Are We Realised? 30<sup>th</sup> Scientific Meeting of Malaysian Society of Pharmacology and Physiology (MSPP), 15-16 August 2016, Putrajaya Shangri-La Hotel, Malaysia. Guest Speaker.</li> <li>7. Hairuszah Ithnin, Fauzah Abd Ghani and <b>Ahmad Faizal Abdul Razis</b>. 2014. Honey as potential anti-cancer agent. Seminar LRGS organised by IKDPM, UPM. 2-3rd September 2014, Thistle Hotel, Port Dickson. Oral Presentation.</li> <li>8. Abdul Afiq Mohd Jaih, Abdul Azis Arifin, <b>Ahmad Faizal Abdul Razis</b> and Russly Abdul Rahman. 2013. Characterization of date seed oil (<i>Phoenix dactylifera</i> L.) using gas and liquid chromatography. 8th Food Science and Technology Seminar (MIFT 2013), Kuala Terengganu, 15-16 March 2013.</li> <li>9. <b>Ahmad Faizal AR</b>, Noramaliza MN, De Nicola GR, Pagnotta E, Iori R, and Ioannides C. 2012. Evaluation of the Potential of Glucoraphanin and its Breakdown Product Sulforaphane in Modulating Carcinogen-metabolising enzymes system in vitro. 1<sup>st</sup> Malaysian Congress of Toxicology, The Royale Chulan Hotel, Kuala Lumpur, 2nd- 3rd October 2012. Poster Presentation.</li> <li>10. <b>Ahmad Faizal Abdul Razis</b>, Elysha Nur Ismail, Zarida Hambali, Muhammad Nazrul Hakim Abdullah, Abdul Manaf Ali, and Mohd Azmi Mohd Lila. 2006. Cloning and expression of recombinant human epidermal growth factor (hEGF) in <i>Escherichia coli</i>. Proceedings of the 28th Symposium of the Malaysian Society for Microbiology. 24th -27th November 2006, Malacca, Malaysia. pp. 75-76. Poster Presentation.</li> <li>11. <b>Ahmad Faizal Abdul Razis</b>, Elysha Nur Ismail, Zarida Hambali, Muhammad Nazrul Hakim Abdullah, Abdul Manaf Ali, and Mohd Azmi Mohd Lila. 2005. Development and production of therapeutic epidermal growth factor (EGF wound healing cream). Exhibition of R&amp;D and Innovation, 2005, Institute of Bioscience, Universiti Putra Malaysia. Poster Presentation.</li> <li>12. Elysha Nur Ismail, <b>Ahmad Faizal Abdul Razis</b>, Zarida Hambali. 2004. Cloning of human epidermal growth factor. Exhibition of</li> </ol>
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	R&D and Innovation, 2004, Institute of Bioscience, Universiti Putra Malaysia. Poster Presentation.				
H. PROJEK PENYELIDIKAN TERDAHULU ( <i>Past Research Project</i> )					
<i>Project No.</i>	<i>Project Title</i>	<i>Role</i>	<i>Year</i>	<i>Source of fund</i>	<i>Status</i>
Science-fund(02-01-04-SF1681)	Evaluation of anti-colorectal cancer properties via prebiotic action of sago starch	Co-researcher	2013-2015	Ministry of Science, Technology and Innovation (MOSTI), Malaysia.	Completed
GP-IPM/2013/9400600	Modulation of carcinogen-metabolising enzymes by glucosinolate gluconasturtiin for anti-cancer	Project Leader	2013-2015	Putra Grant, Universiti Putra Malaysia.	Completed
GP-IPS/2013/9395800	Identification and characterization of allergens derived from fermented shrimp products	Project Leader	2013-2015	Putra Grant, Universiti Putra Malaysia.	Completed
GP-IPS	Different Processing Method for Reduction of Allergenicity In Fermented Shrimp Product.	Co-researcher	2013-2015	Putra Grant, Universiti Putra Malaysia.	Completed
GP-IPS	Anti-cancer properties of glucosinolate isolated from the seed of <i>Moringa oleifera</i>	Project Leader	11/2013-10/2015	Putra Grant, Universiti Putra Malaysia.	Completed
FRGS 2014	Isolation and characterization of apoptosis-inducing compounds from <i>Clinacanthus nutans</i>	Co-researcher	7/2014-6/2016	Ministry of Higher Education (MOHE), Malaysia.	Completed
PPRN 2016	Enhancing milk production and meat quality of dairy goats through strategic feeding	Co-researcher	1/2016-6/2016	Ministry of Higher Education (MOHE), Malaysia.	Completed
PPRN 2016	Feed formulation and feed quality enhancement	Co-researcher	1/2016-6/2016	Ministry of Higher Education (MOHE), Malaysia.	Completed
FRGS/2/2013/SG01/UPM/01/1	Unraveling the mechanism of	Co-researcher	2013-2016	Ministry of Higher	Completed

	simultaneous formation of HCA and PAH in a grilled meat model system using isotope labeling			Education (MOHE), Malaysia.	
NRGS - NKEA HERBS RESEARCH GRANT SCHEME MOA	Effects of <i>Eurycoma longifolia</i> standardized extract on female reproductive disposition and perturbation pathways'	Co-researcher	1/2015-12/2016	Ministry of Agriculture and Agro-Based Industry (MOA), Malaysia.	Completed
Industrial grant managed by UPM Holdings	Elucidating anti-cancer potency of <i>Moringa oleifera</i> aqueous seed extract against human prostate cancer cell lines	Project Leader	12/2016-2/2017	MitoMasa Sdn Bhd	Completed
Industrial grant managed by UPM Holdings	In vitro and in vivo Toxicity of <i>Moringa oleifera</i> Seed Extract	Project Leader	4/2017-7/2017	MitoMasa Sdn Bhd	Completed
FRGS/1/2014/SKK10/UPM/02/11	Evaluating the chemopreventive potency of glucomoringin isolated from the seed of <i>Moringa oleifera</i> on human prostate cancer cell lines	Project Leader	2014-2017	Ministry of Higher Education (MOHE), Malaysia.	Completed
14-377RG/PHA/AS_C; UNESCO FR:3240283437	Chemopreventive efficacy of glucomoringin isolated from the seed of <i>Moringa oleifera</i> on three human colon carcinoma cell lines	Project Leader	2016-2017	TWAS-COMSTECH Research Grant (UNESCO)	Completed
FRGS/2/2014/SG01/UPM/02/4	Conjugation strategies for drug-carrier protein attachment for the production of high affinity and specificity antibodies against mitragynine	Co-researcher	2014-2018	Ministry of Higher Education (MOHE), Malaysia.	Completed
FRGS-MRSA/1/2016/STG01/UPM/01/1	Identification of Biomarkers for Authenticity of	Co-researcher	6/2017-5/2019	Ministry of Higher Education	Completed

	Honey Through Chemometrics and Metabolomics Approach			(MOHE), Malaysia.	
FRGS/1/2017/WAB13/UMP/02/2	Isolation and characterization of alkaloids from <i>Passiflora foetida</i> for potential of antidepressant compounds	Co-researcher	8/2017-8/2019	Ministry of Higher Education (MOHE), Malaysia.	On-going
GP-IPS/9537300	In-vitro and in-vivo neuroprotective effects of moringin isolated from the seed of <i>Moringa oleifera</i> Lam	Project Leader	6/2017-6/2019	Putra Grant, Universiti Putra Malaysia.	Completed
UPM/ITAFoS/HICoE-2017/FS10/6369114	Prevalence of heavy metals and pesticide residues in paddy grain and their bioavailability	Project Leader	1/2017-12/2019	Ministry of Higher Education (MOHE), Malaysia.	Completed
UPM/ITAFoS/HICoE-2017/FS10/6369114	<i>Bacillus cereus</i> in the selected part of paddy plant: Prevalence, toxigenic profiles and its correlation with paddy varieties and storage conditions	Co-researcher	1/2017-1/2019	Ministry of Higher Education (MOHE), Malaysia.	Completed
Industrial grant managed by UPM Holdings	Elucidating Health Beneficial Effect of Date Sugar –Phase 1	Project Leader	1 December 2018 – 28 February 2019	Legasi Z Sufi	Completed
Industrial grant managed by UPM Holdings	Sugar Profiling of Crispy Jelly Made of White Sugar, Brown Sugar and Date Sugar	Project Leader	1 May 2019-31 July 2019	Legasi Z Sufi	Completed
Industrial grant managed by UPM Holdings	Quantification of Sulforaphane In Broccoli Sprouts and Red Radish	Project Leader	1 March 2019 – 31 May 2019	Panmedic Sdn Bhd	Completed
PRGS 2017	Laser Ablation Needle for Tissue Cauterization and Percutaneous Hyperthermia Cancer Therapy	Co-researcher	2017-2019	Ministry of Higher Education (MOHE), Malaysia.	Completed
GP-Putra Grant	Elucidating Neuroprotective	Project Leader	3/2018-3/2020	Putra Grant, Universiti	Completed

	Effects on moringin on in vitro model of Alzheimer's disease			Putra Malaysia.	
Internal grant managed by MPOB	Dietary Fats on Non-Alcoholic Fatty Liver Disease (NAFLD) in Sprague Dawley Rats.	Co-researcher	2018-2021	Malaysian Palm Oil Board (MPOB)	On-going
MRUN	Unravelling food authentication biomarkers in village-fowl and broiler chickens	Co-researcher	9/2018-8/2021	Ministry of Higher Education (MOHE), Malaysia.	On-going
FRGS/1/2019/SKK06/UPM/02/21	Deciphering exposure effect of polystyrene microplastics (PS-MPs) towards Javanese medaka fish ( <i>Oryzias javanicus</i> ) using combinations of metabolomic and metagenomic approaches	Project Leader	9/2019-7/2022	Ministry of Higher Education (MOHE), Malaysia.	On-going
LRGS 2019	Sustainable vegetables production technology for food security in urban agriculture	Co-researcher	12/2019-11/2022	Ministry of Higher Education (MOHE), Malaysia.	On-going
GP-IPS	Authentication of chicken breeds based on fatty acid profiles and whole genome re-sequencing	Project Leader	2/2020-2/2022	Putra Grant, Universiti Putra Malaysia.	On-going
PHC-HIBISCUS 2020	Cardio- and Neuroprotective Effects of $\alpha$ -Cyclodextrin/Moringin Complex in Rats with Pituitrin-Isoproterenol-Induced Myocardial Damage	Project Leader	5/2020-4/2022	France-Malaysia Partnership	On-going
University Consortium (UC) Seed Fund for Collaborative Research Grant	Authenticating Chicken Breeds based on Fatty Acid Profiles, Bioactive Components, and	Project Leader	1 July 2020 to 30 June 2021	SEAMEO SEARCA	On-going



	Whole Genome Sequencing				
FRGS/1/2019/STG05/MAHSA/02/2	Bioprospecting of oil palm-derived exosome for Nanotherapeutic delivery: A study on exosome stability and uptake mechanism	Co-researcher	9/2019-8/2022	Ministry of Higher Education (MOHE), Malaysia.	On-going

### **I. PENGALAMAN PENYELIAAN/PEMERIKSA** (*Supervisory/Examiner Experiences*)

#### **Main supervisor (On-going)**

Elia ser Enas Mohamed Abdaallah (PhD)  
Nematbakhsh Sara (PhD)  
Nada Basheir Ali (PhD)  
Sunusi Usman (PhD)

#### **Main supervisor (Graduated)**

Elliyana Nadia bt Hamidi (MSc)  
Muhammad Din bin Ibrahim (MSc)  
Saie Brindha Kntayya (MSc)  
Asvinidevi a/p Arumugam (MSc)  
Nur Syahirah Zulkafflee (MSc)  
Mohamed Zeinab Abdulwanis Masaoud (MSc)  
Nurul Ashikin binti Abdul Karim (PhD)  
Mohammed Ja'afaru Sani (PhD)

#### **Co-supervisor (On-going)**

Morven Mundi (UPM Bintulu, MSc)  
Lou Shuaiqiang (MSc)  
Kathleen Michelle Mikal (UPM Bintulu, PhD)  
Muhammad Umar Adamu (PhD)

#### **Co-supervisor (Graduated)**

Mizher Hezam Baroor Al-Zuaidy (PhD)  
Shabnam Sepahpour (PhD)  
Rafieh Fakhlaei (PhD)  
Abdul Afiq bin Mohd Jaih (MSc)  
Nurul Syazwani bt. Mohd Zainin (MSc)  
Nur Afiqah bt Fauzi (MSc)  
Roziasyahira Mutazah (UMP, MSc)

#### **Examiner (MSc Graduated)**

Safura binti Shaaruddin (Chairman)  
Raihana binti Abdul Razak (Chairman)  
Mohamed Aden Hersi (Chairman)  
Mohd Azuar Hamizan bin Rahman (Chairman)  
Wendy Voon Wen Yi (Chairman)  
Fara wahida binti Abdul Halim (Chairman)  
Shafini binti Abu Bakar (Chairman)  
Khadra Yousuf Mohamed (Chairman)  
Hani Hafeeza binti Halim (Chairman)  
Selvaneswary Kanasan (Internal examiner, UPM)  
Monjia Belleza Cosmas Mojulat (External examiner, UMS)  
Eramartica Binti Rubin (External examiner, UMS)

Nurazilah Farhana Binti Aripin (External examiner, UMS)  
Ashela devi Binti Ahmad (External examiner, UMS)

**Examiner (PhD Graduated)**

Gothai AP Sivapragasam (Internal examiner, UPM)

**Non-graduating program (PhD)**

Uwaisu Iliyasu (Kaduna State University, Kaduna-Nigeria)

Marwa Yahia Bushra Yahia (University of Sinnar, Sudan)

**J. KURSUS PENGAJARAN** (*Teaching Course*)

Food Biochemistry, Food Metabolism, Food Toxicology, Chemical Safety of Foods, Advanced Food Toxicology, Food Safety Toxicology, Issue in Food Safety, Chemistry and Function of Food Ingredient, Food Safety, Control and Management of Non-infectious Disease.

**K. PENILAI JURNAL/BUKU/GERAN** (*Journal/Book/Grant Reviewer*)

PLOS ONE, Journal of Food Science and Technology, International Food Research Journal, Ciência Rural, Engineering in Agriculture, Environment and Food, Science of the Total Environment, Malaysian Journal of Nutrition, Journal of Food Processing and Preservation, BMC Cancer, Food & Function, Environmental Science and Pollution Research, Food Science and Technology, Biomedicine & Pharmacotherapy, Journal of Food Biochemistry, Current Traditional Medicine, Natural Product Research, Journal of Food, Sains Malaysiana, Trends in Food Science & Technology, Xenobiotica, Scientific Reports, International Journal of Food Properties, Advances in Agriculture, Elsevier S&T Books, FRGS Panel (Malaysian Agency of Nuclear and UniKL).

**L. ID PENERBITAN** (*Publishing ID*)

ORCID ID: [orcid.org/0000-0001-9205-3764](https://orcid.org/0000-0001-9205-3764)  
Google ID: [gs\\_lib\\_15020355199048188560](https://scholar.google.com/citations?user=gs_lib_15020355199048188560)  
Research ID: F-8079-2014  
Scopus ID: 24437482800

**M. KOLABORASI ANTARABANGSA** (*International Collaboration*)

- University of Brawijaya, Indonesia (University Consortium (UC) Seed Fund for Collaborative Research Grant)
- University of Zurich, Switzerland (Microgravity research)
- CREA Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria, Centro di Ricerca Agricoltura e Ambiente (CREA-AA), 40128 Bologna, Italy (Glucosinolates research)
- University of Surrey (Glucosinolates research)
- Université d'Orléans et CNRS, ICOA, UMR 7311, BP 6759, F-45067 Orléans, France (PHC-HIBISCUS 2020 Grant)
- IRCCS Centro Neurolesi "Bonino-Pulejo", Via Provinciale Palermo, Contrada Casazza, 98124 Messina, Italy (PHC-HIBISCUS 2020 Grant)
- Laboratoire de Glycochimie, des Antimicrobiens et des Agroressources UMR 7378 CNRS, Amiens, France (PHC-HIBISCUS 2020 Grant)
- Université de Picardie Jules Verne, Amiens, France (PHC-HIBISCUS 2020 Grant)
- Institut de Chimie de Picardie, Amiens, France (PHC-HIBISCUS 2020 Grant)
- Kaduna State University, Kaduna-Nigeria (Non-graduating PhD program)
- University of Sinnar, Sudan (Non-graduating PhD program)

**N. JARINGAN INDUSTRI** (*Industrial Linkages*)

- Panmedic Sdn Bhd

- MitoMasa Sdn Bhd
- Infobiotech Sdn Bhd
- Legasi Z Sufi
- Etika Beverages Sdn Bhd
- Malaysian Palm Oil Board (MPOB)