

# CURRICULUM VITAE

PROF. DR FARIDAH ABAS, FRSC

Expertise: Phytochemistry, Functional Foods, Metabolomics



BUTIR-BUTIR PERIBADI (Personal Details)					
Nama Penuh (Full Name)	Faridah Abas			Gelaran (Title): <i>Prof Dr</i>	
No. MyKad / No. Pasport (Mykad No. /Passport No.) 58743371	Warganegara (Nationality) Malaysia	Bangsa (Race) Malay	Jantina (Gender) Female		
Jawatan (Designation)	Professor (VK7)	Tarikh Lahir (Date of Birth)	21 Dec 1976		
H-index	53 (Scopus)	Citations	10803 (Scopus)		
	63 (Google Scholar)		14750 (Google Scholar)		
Alamat Semasa (Current Address)		Jabatan/Fakulti (Department/Faculty)		E-mel dan URL (E-mail Address and URL)	
Putrajaya, Malaysia		Department of Food Science Faculty of Food Science and Technology (FSTM) Universiti Putra Malaysia (UPM)  Tel: +60397698343 Fax: +60389423552		faridah_abas@upm.edu.my	
B. KELAYAKAN AKADEMIK (Academic Qualification)					
Nama Sijil / Kelayakan (Certificate / Qualification obtained)	Nama Sekolah Institusi (Name of School / Institution)	Tahun (Year obtained)	Bidang pengkhususan (Area of Specialization)		
PhD	UPM	2005	Phytochemistry		
BSc. Edu. (Hons.)	UPM	1999	Biology/Chemistry		
C. KEMAHIRAN BAHASA (Language Proficiency)					
Bahasa / Language	Lemah Poor(1)	Sederhana Moderate (2)	Baik Good (3)	Amat Baik Very good (4)	Cemerlang Excellent (5)
English				√	
Bahasa Melayu				√	
D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN (Scientific experience and Specialisation)					
Organization	Position	Start Date	End Date	Expertise	
University of Geneva, Switzerland	Research Attachment	29 June 2007	29 Sept 2007	Phytochemistry	
Universiti Putra Malaysia	Post-Doctoral	Jun 2005	Dec 2005	Organic Synthesis	
UPM	Sabbatical	Feb 2012	Nov 2012	Food Science	

Chungnam National University of Korea	Sabbatical	May 2023	June 2023	Disease model (Zebrafish)
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<b>E. PEKERJAAN (Employment)</b>				
Majikan/Employer	Jawatan/Designation	Jabatan/Department	Tarikh lantikan/ Start Date	Tarikh tamat / Date Ended
UPM	PostdoctoralFellow	Institute of Bioscience, UPM	June 2005	Dec 2005
UPM	Lecturer	Department of Food Science, FSTM	Jan 2006	October 2009
UPM	Senior Lecturer	Department of Food Science, FSTM	October 2009	October 2011
UPM	Associate Professor	Department of Food Science, FSTM	October 2011	2019
UPM	Head of Department	Department of Food Science, FSTM	Jun 2010	February 2012
UPM	Deputy Dean	Academic and Student Affairs, FSTM	February 2012	January 2013
UPM	Professor	Department of Food Science, FSTM	2019	Present

<b>F. ANUGERAH DAN HADIAH (Honours and Awards)</b>				
Name of awards	Title	Award Authority	Award Type	Year
Top Research Scientist Malaysia	TRSM 2020	Academy Science Malaysia	National	2020
Fellow Royal Society of Chemistry	FRSC	Royal Society of Chemistry	International	2019
Excellent Service Award	Excellent Service Award	Universiti Putra Malaysia	University	2009, 2014, 2018, 2022
Sponsorship Award	2nd Joint Symposium on Future Prospect of Pharmaceutical Sciences (Tokyo, Japan)	Hoshi University	International	29-31st October, 2009
Sponsorship Award	Research Attachment University of Geneva	MOSTI	National	Jun 2007-Sept 2007
International Inventions, Innovation, Industrial Design Technology Exhibition (ITEX), Kuala Lumpur	Silver Medal tHGA – A new potential leucotrieneinhibitor from <i>Melicope ptelefolia</i>	Malaysian Invention and Design Society	International	2006
MOSTI-fellowship	Post-Doc Fellowship -Organic Synthesis	MOSTI	National	2005

<b>G. SENARAI PENERBITAN (Publication Identity)</b>	
Database	ID
Scopus	<a href="http://www.scopus.com/authid/detail.uri?authorId=57210753489">www.scopus.com/authid/detail.uri?authorId=57210753489</a>
ORCID	<a href="https://orcid.org/0000-0002-8110-9424">orcid.org/0000-0002-8110-9424</a>
Google Scholar	Faridah Abas
ResearchGate	Faridah Abas
LinkedIn	Faridah Abas

**H. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan)  
(List of publications – author (s), title, journal, volume, page and year published)**

**Articles 398, h-Index = 53, Total Citation = 10803 (Scopus)**  
**h-Index = 63, Total citation = 14750 (Google Scholar)**  
**AU-ID ("Abas, F." 6506864882)**

JOURNALS	
	1. Wong P.L., Zafir Khan A.A., Zubaidi S.N., Aziz H., Kamal N., Bunawan H., Mediani A., <b>Abas F.</b> , El Enshasy H.A., Baharum S.N. Unlocking the Potential of <i>Phyllanthus</i> Species From Traditional Knowledge to Clinical Trials: An Updated Review of Metabolomics Approach in Diabetes Intervention (2026) <i>Phytotherapy Research</i> , In press
	2. Abd-Ghafar S.Z., Zolkeflee N.K.Z., Baharuddin N., Rudiyanto R., M M., Ikhsan N., <b>Abas F.</b> 1H NMR-based metabolomics reveals bioactive compounds from the diatom <i>Halamphora</i> sp. extracted with different solvents (2026) <i>Preparative Biochemistry and Biotechnology</i> , In press
	3. Fitri N., Chan S.X.Y., Qadi W.S.M., Wong P.L., Hellal K., Hamezah H.S., Mediani A., <b>Abas F.</b> A comprehensive review on the processing, composition, and safety of fermented rice products and advanced methods for improving its quality (2025), 140, art. no. 107184.
	4. Abd Ghafar S.Z., Muthukrishnan S., Zolkeflee N.K.Z., Natrah I., <b>Abas F.</b> Identification of Metabolites From <i>Halamphora</i> Sp. and Its Correlation with Quorum Sensing Inhibitory Activity via UHPLC-ESI-MS/MS-Based Metabolomics and Molecular Networking (2025)- in press
	5. Wong, P.L., Ramli, N.S., Tan, C.P., Azlan, A., <b>Abas, F.</b> NMR-based metabolomics and UHPLC-ESI-MS/MS profiling of <i>Syzygium jambos</i> in relation to their antioxidant and anti-hyperglycemic activities (2024) <i>Arabian Journal of Chemistry</i> , 17 (2), art. no. 105546,
	6. Wong, P.L., Zolkeflee, N.K.Z., Ramli, N.S., Tan, C.P., Azlan, A., Tham, C.L., Shaari, K., <b>Abas, F.</b> Antidiabetic effect of <i>Ardisia elliptica</i> extract and its mechanisms of action in STZ-NA-induced diabetic rat model via 1H-NMR-based metabolomics (2024) <i>Journal of Ethnopharmacology</i> , 318, art. no. 117015,
	7. Kow, A.S.F., Khoo, L.W., Tan, J.W., <b>Abas, F.</b> , Lee, M.-T., Israf, D.A., Shaari, K., Tham, C.L. <i>Clinacanthus nutans</i> aqueous leaves extract exerts anti-allergic activity in preclinical anaphylactic models via alternative IgG pathway (2023) <i>Journal of Ethnopharmacology</i> , 303, art. no. 116003, .
	8. Halim, H.H., Pak Dek, M.S., Hamid, A.A., Saari, N., Mohd Lazim, M.I., <b>Abas, F.</b> , Ngalim, A., Ismail, A., Jaafar, A.H. Novel sources of bioactive compounds in coconut ( <i>Cocos nucifera</i> L.) water from different maturity levels and varieties as potent skin anti-aging strategies and anti-fatigue agents (2023) <i>Food Bioscience</i> , 51, art. no. 102326
	9. Hasbullah, F.Y., Mohd Yusof, B.-N., Abdul Ghani, R., Mat Daud, Z.A., Appannah, G., <b>Abas, F.</b> , Shyam, S. Maternal and Dietary Factors Are Associated with Metabolic Syndrome in Women with a Previous History of Gestational Diabetes Mellitus (2022) <i>International Journal of Environmental Research and Public Health</i> , 19 (24), art. no. 16797,
	10. Mediani, A., Kamal, N., Lee, S.Y., <b>Abas, F.</b> , Farag, M.A. Green Extraction Methods for Isolation of Bioactive Substances from Coffee Seed and Spent (2023) <i>Separation and Purification Reviews</i> , 52 (1), pp. 24-42.
	11. Mostofa, F., Yasid, N.A., Shamsi, S., Ahmad, S.A., Mohd-Yusoff, N.F., <b>Abas, F.</b> , Ahmad, S. In Silico Study and Effects of BDMC33 on TNBS-Induced BMP Gene Expressions in Zebrafish Gut Inflammation-Associated Arthritis (2022) <i>Molecules</i> , 27 (23), art. no. 8304,
	12. Abadi, M.M.T., Mohsin, A.Z., Sulaiman, R., <b>Abas, F.</b> , Muhiaddin, B.J., Meor Hussin, A.S. Biological activities and physicochemical properties of low-fat and high-fat coconut-based kefir (2022) <i>International Journal of Gastronomy and Food Science</i> , 30, art. no. 100624,
	13. Mediani, A., Hamezah, H.S., Jam, F.A., Mahadi, N.F., Chan, S.X.Y., Rohani, E.R., Che Lah, N.H., Azlan, U.K., Khairul Annuar, N.A., Azman, N.A.F., Bunawan, H., Sarian, M.N., Kamal, N., <b>Abas, F.</b> A comprehensive review of drying meat products and the associated effects and changes (2022) <i>Frontiers in Nutrition</i> , 9, art. no. 1057366, .
	14. Yong, Y.Y., Mohd Adzahan, N., <b>Abas, F.</b> , Kim, D.O., Kamarul Zaman, A.A. Alginate and Aloe vera gel-based edible coating for the storage stability enhancement of fresh-cut MD2 pineapple (2022) <i>Food Research</i> , 6 (5), pp. 380-389.
	15. Fitri, N., Chan, S.X.Y., Che Lah, N.H., Jam, F.A., Misnan, N.M., Kamal, N., Sarian, M.N., Mohd Lazaldin, M.A., Low, C.F., Hamezah, H.S., Rohani, E.R., Mediani, A., <b>Abas, F.</b> A Comprehensive Review on the Processing of Dried Fish and the Associated Chemical and Nutritional Changes (2022) <i>Foods</i> , 11 (19), art. no. 2938, .
	16. Tan, P.-L., Soo, K.Q.-S., Khor, Y.-P., <b>Abas, F.</b> , Tan, C.-P. Enzyme-assisted water extraction optimization, antioxidant capacity and phenolic profiling of extracts from <i>Garcinia mangostana</i> linn (2022) <i>Journal of Food Technology Research</i> , 9 (2), pp. 135-149.
	17. Hasbullah, F.Y., Yusof, B.-N.M., Ghani, R.A., Daud, Z.A.M., Appannah, G., <b>Abas, F.</b> , Shafie, N.H., Khir, H.I.M., Murphy, H.R. Dietary Patterns, Metabolomic Profile, and Nutritype Signatures Associated with Type 2 Diabetes in Women with Postgestational Diabetes Mellitus: MyNutritype Study Protocol (2022) <i>Metabolites</i> , 12 (9), art. no. 843,
	18. Yap, J.Y., Hii, C.L., Ong, S.P., Lim, K.H., <b>Abas, F.</b> , Pin, K.Y. Degradation kinetics of carpaine and antioxidant properties of dried <i>Carica papaya</i> leaves as affected by drying methods (2022) <i>International Journal of Food Engineering</i> , 18 (8-9), pp. 593-602.
	19. Tahir, N.I., Rozali, N.L., Rahmah, A.R.S., Amiruddin, M.D., Hwa, L.F., Shaari, K., <b>Abas, F.</b> , Othman, A., Parveez, G.K.A., Ramli, U.S. Metabolome Study of Oil Palm ( <i>Elaeis guineensis</i> Jacq.) Planted in Different Environment Conditions (2022) <i>Tropical Plant Biology</i> , 15 (3), pp. 211-232.
	20. Nor, S.M., Ding, P., Sakimin, S.Z., Ismail, A., <b>Abas, F.</b> Passion Fruit-A Potential Crop for Exploration in Malaysia: A Review (2022) <i>Pertanika Journal of Tropical Agricultural Science</i> , 45 (3), pp. 761-780.
	21. Khairul, S.-A.M., Ainy, M.N., <b>Faridah, A.</b> , Jamaludin, N.-S., Ab Rashid, N.-K.M. The Proximate Composition And Metabolite Profiling Of Sugarcane ( <i>Saccharum officinarum</i> ) Molasses (2022) <i>Malaysian Applied Biology</i> , 51 (2), pp. 63-68.

22. Ahmat, N., Kamarozaman, A.S., Johari, M.S.M., **Abas, F.**, Mohamad, S.A.S., Yunoh, S.M.M. Screening of Phytochemicals from the Ethanolic Extracts of *Gnetum gnemon*, *Gnetum latifolium* and *Cynometra malaccensis* of Kuala Keniam, Pahang (2022) IOP Conference Series: Earth and Environmental Science, 1019 (1), art. no. 012001,

23. Pattiram, P.D., **Abas, F.**, Suleiman, N., Azman, E.M., Chong, G.H. Edible oils as a co-extractant for the supercritical carbon dioxide extraction of flavonoids from propolis (2022) PLoS ONE, 17 (4 April), art. no. e0266673,

24. Hussein, H.A., Kassim, M.N.I., Maulidiani, M., **Abas, F.**, Abdullah, M.A. Cytotoxicity and 1H NMR metabolomics analyses of microalgal extracts for synergistic application with Tamoxifen on breast cancer cells with reduced toxicity against Vero cells (2022) Heliyon, 8 (3), art. no. e09192, .

25. Lau, Z.C., Yusof, B.N.M., **Abas, F.**, Wahab, N.A., Zukiman, W.Z.H.W., Ismail, A. Postprandial Metabolome Following a Low Glycaemic Index Meal-Challenge Test: A Narrative Review (2022) Malaysian Journal of Medical Sciences, 29 (5), pp. 5-16.

26. Abdul-Hamid, N.A., Mustaffer, N.H., Maulidiani, M., Mediani, A., Ismail, I.S., Tham, C.L., Shadid, K., **Abas, F\***. Quality evaluation of the physical properties, phytochemicals, biological activities and proximate analysis of nine Saudi date palm fruit varieties (2020) Journal of the Saudi Society of Agricultural Sciences, 19 (2), pp. 151-160.

27. Sani, M.S.A., Bakar, J., Rahman, R.A., **Abas, F.** Effects of Coated Capillary Column, Derivatization, and Temperature Programming on the Identification of Carica papaya Seed Extract Composition Using GC/MS Analysis (2020) Journal of Analysis and Testing, 4 (1), pp. 23-34.

28. Abu Bakar Sajak, A., Azlan, A., **Abas, F\***, Hamzah, H. Nutritional composition, phytochemicals and acute toxicity of herbal mixture (Lemon, apple cider, garlic, ginger and honey) in zebrafish embryo and wistar rat (2020) Food Research, 4, pp.196-204.

29. Awin, T., Mediani, A., Mohd Faudzi, S.M., Maulidiani, Leong, S.W., Shaari, K., **Abas, F\***. Identification of  $\alpha$ -glucosidase inhibitory compounds from Curcuma mangga fractions (2020) International Journal of Food Properties, 23 (1), pp. 154-166.

30. Azizan, A., Lee, A.X., Hamid, N.A.A., Maulidiani, M., Mediani, A., Ghafar, S.Z.A., Zolkeflee, N.K.Z., **Abas, F\***. Potentially bioactive metabolites from pineapple waste extracts and their antioxidant and  $\alpha$ -glucosidase inhibitory activities by 1H NMR (2020) Foods, 9 (2), art. no. 9020173, .

31. Mohd Faudzi, S.M., Abdullah, M.A., Abdull Manap, M.R., Ismail, A.Z., Rullah, K., Mohd Aluwi, M.F.F., Mazila Ramli, A.N., **Abas, F\***, Lajis, N.H. Inhibition of nitric oxide and prostaglandin E2 production by pyrrolylated-chalcones: Synthesis, biological activity, crystal structure analysis, and molecular docking studies (2020) Bioorganic Chemistry, 94, art. no. 103376,

32. Khor, Y.P., Sim, B.I., **Abas, F.**, Lai, O.M., Wang, Y., Nehdi, I.A., Sbihi, H.M., Gewik, M.M., Tan, C.P. Influence of carbohydrate- and protein-based foods on the formation of polar lipid fraction during deep-frying (2020) Food Control, 107, art.no. 106781,

\* Corresponding author; \*Senior Author; Bold - Co-author

H. PROJEK PENYELIDIKAN (Research Projects)					
Project No.	Project Title	Role	Year	Source of fund	Status
02-10-10-967FR	NMR-based metabolomics biofluids (animal metabolic study) of standardized <i>Centella asiatica</i> extract in the detection of physiological changes in rats induced diabetes	Project leader	2010	MOHE	Completed
NH1014D067	The inhibitory activity of <i>Clinacanthus nutans</i> standardized ethanolic extract on IgE-mediated mast cell activation and anaphylactic reaction	Project leader	2015	MOA	Completed
01-01-14-1484-FR	Synthesis, alpha glucosidase inhibition activity and structure activity relationship of mono carbonyl analogues of curcumin	Project leader	2014	MOHE	Completed
06-01-04-SF0936	Isolation and identification of bioactive compounds from <i>Callicarpa pentandra</i> .	Project leader	2008	MOSTI	Completed
02-01-04-SF0389	Rapid Detection of New Antioxidant Constituents from <i>Persicaria tenella</i> by HPLC- DAD-MS analysis	Project leader	2006	MOSTI	Completed
01-01-07-149FR	Bioassay guided isolation of cholinesterase inhibitor from <i>Tarenna lancifolia</i>	Project leader	2006	MOHE	Completed

05-02-12-2139RU	NMR based metabolomics assessment of anti-diabetic effect of <i>Cymbopogon citratus</i> leaves on streptozotocin induced diabetic	Project leader	2012	UPM	Completed
NH0612D008	MS and NMR based metabolomics analysis of <i>Phyllanthus niruri</i> extract and biofluids for detection of biomarker in diabetic induced rats	Project leader	2012	MOA	Completed
5527056	Design, synthesis and biological evaluation of novel diarylpentanoids analogues as NO inhibitors and anti-inflammatory agents	Project leader (ERGS)	2011	MOHE	Completed
9301700	Design, synthesis and biological evaluation of novel diarylpentanoids analogues as new anti-inflammatory agents	Project leader (RUGS)	2011	UPM	Completed
05-02-11-1402RU	Phytochemical and Biological evaluation of <i>Callicarpa maingayi</i> leaves	Project leader (RUGS)	2011	UPM	Completed
9362200	Metabolomic approach to identifying bioactive compounds in <i>Ipomoea aquatica</i> extract and biofluids for detection of biomarker in obese-diabetic induced rat	Project leader (RUGS)	2012	UPM	Completed
GP- IPS/2016/95 14700	Anti-hyperglycemic potential of some Algerian endemic species RM20,000	Project leader	2016	UPM	Completed
GP- IPS/2016/9514600	Metabolite profiling of <i>Phyllanthus acidus</i> and correlation with antioxidant, alpha-glucosidase and NO inhibitory activity RM 20,000	Project leader	2017	UPM	Completed
GPB/2017/9597400	NMR based metabolomics for quality control of <i>Muntingia calabura</i> and identification of biomarkers for its diabetes related activities RM140,000	Project leader	2017	UPM	Completed
GP- IPS/2017/95 8940	Metabolite profiles of different varieties of date palm fruits analyzed using NMR based metabolomics RM25,000	Project leader	2017	UPM	Completed
FRGS/1/2018/S TG01/UPM/02/6	Identification of metabolic signatures associated to anti-inflammatory effects of date palm fruits using multi-platform based metabolomics RM100,000	Project leader	2018	UPM	Completed
GP-IPS/2021/9699000	Chemical profiling of selected local plants in correlation to their anti-diabetic effect on STZ-Nicotinamide induced diabetic rats model using metabolomics approach RM25,000	Project leader	2021	UPM	Completed
FRGS/1/2021/WAB13/UP M/01/1	Unraveling the metabolome composition and antidiabetic activity of underutilized <i>Ficus racemosa</i> fruit via a multiplatform approach of NMR and LCMS metabolomics RM165,000.00	Project leader	2021	MOHE	Ongoing
IDRC-INNOVET AMR 2.0 Project - 6380180-10201	Targeted LCMS metabolomics of indole-3-acetic acid in marine algae RM110,000	Project leader	2024	IDRC-INNOVET AMR 2.0	Ongoing

GPB/2025/9817600	Harnessing <i>Cyclea barbata</i> Miers as a source of bioactive compounds for the development of functional foods: Evaluation of quality, safety, and efficacy RM100,000	Project leader	2025	UPM	Ongoing
GP-IPS/2025/9824200	Investigating the Anti-Inflammatory Mechanism of <i>Mangifera caesia</i> Fruit Extract Through Untargeted Metabolomics Analysis RM25,000	Project leader	2025	UPM	Ongoing

Programme	Status	Main Supervisor	Co-Supervisor
PhD	Graduated	14	50
	Ongoing	4	7
Masters	Graduated	16	36
	Ongoing	1	2
Bachelor	Graduated	63 (FYP)	-
	Ongoing	3	-

### ACADEMIC MANAGEMENT AND LEADERSHIP EXPERIENCES

Duration	Appointment	Place
July 2025 – July 2028	External Advisor Postgraduate Program	INBIOSIS, Universiti Kebangsaan Malaysia
November 2024 – Present	National Point of Contact Representative for Malaysia, UNESCO Regional Network of Natural Products Chemistry for Safety and Well-being in Pan-Asia and the Pacific (URSWAP)	Shanghai Institute of Materia Medica Chinese Academy of Sciences 555 Zu-Chong-Zhi Road Zhang-Jiang High Tech Park Shanghai 201203, China
2024 - Present	President Malaysian Natural Products Society	Kuala Lumpur, Malaysia
1 August 2023 – 31 July 2026	Co-ordinator Master of Functional Food Design	Faculty of Food Science and Technology Universiti Putra Malaysia 43400 UPM Serdang Selangor Darul Ehsan
August 2024-August 2025	External Advisor Master of Food Science in Product Innovation with Sustainability	School of Industrial Technology, Universiti Sains Malaysia
October 2023 – December 2026	External Assessor for Academic Promotion	Universiti Malaysia Terengganu
2021-2023	Member of the Selection Committee (Research), UPM	Deputy Vice Chancellor Office (Research and Innovation), UPM
August 2019 - Present	Professor	Faculty of Food Science and Technology

August 2015 - 2017	Member of University Curriculum Subcommittee	Universiti Putra Malaysia 43400 UPM Serdang Selangor Darul Ehsan
5 September 2014 – 4 October 2015	Acting Deputy Dean	Faculty of Food Science and Technology Universiti Putra Malaysia
Feb 2012 – Jan 2013	Deputy Dean (Academic and Student Affairs)	Faculty of Food Science and Technology Universiti Putra Malaysia 43400 UPM Serdang Selangor Darul Ehsan
June 2010 – Jan 2013	Panel for SWA Accreditation	Department of Food Science Faculty of Food Science and Technology Universiti Putra Malaysia 43400 UPM Serdang Selangor Darul Ehsan
September 2011-July 2019	Associate Professor	Department of Food Science Faculty of Food Science and Technology Universiti Putra Malaysia 43400 UPM Serdang Selangor Darul Ehsan
January 2012 - Present	Technical Manager Lab ISO/IEC17025	Faculty of Food Science and Technology Universiti Putra Malaysia 43400 UPM Serdang Selangor Darul Ehsan
June 2010 – Feb 2012	Head of Department	Department of Food Science Faculty of Food Science and Technology Universiti Putra Malaysia 43400 UPM Serdang Selangor Darul Ehsan
October 2008 – September 2011	Senior Lecturer	Department of Food Science Faculty of Food Science and Technology Universiti Putra Malaysia 43400 UPM Serdang Selangor Darul Ehsan
January 2006 - 2024	Associate Researcher	Laboratory of Natural Products Institute of Bioscience Universiti Putra Malaysia 43400 UPM Serdang Selangor Darul Ehsan
January 2006 – September 2008	Lecturer	Department of Food Science Faculty of Food Science and Technology Universiti Putra Malaysia 43400 UPM Serdang Selangor Darul Ehsan

## KEYNOTE SPEAKER

1. Uncovering the bioactive Potential of Malaysian Plants through Phytochemistry and metabolomics. Jinan University – UPM Joint Symposium on Herbal Medicine Research, August 20, 2025.
2. Discovering bioactive compounds from medicinal plant – from reductionist to metabolomics approach- International Conference on Advancements and Innovations, Nutraceuticals and Functional Foods, November 11-12, 2024, at MarAthanasius College for Advanced Studies Tiruvalla (MACFAST), Kerala, India.

## INVITED LECTURE

1. 6th Annual Conference of PANDA and the 2025 Seminar of URSWAP Wuhan, October 27-29, 2025 - Uncovering the Bioactive Potential of Malaysian Plants Through Metabolomics
2. Quest 3+ System, Registration of Pharmaceutical products and Cosmetics Notification & Medicines Advertisement Workshop, Institute of Systems Biology, UKM, 5-6<sup>th</sup> November 2024
3. UNESCO regional Network of Natural Products Chemistry for Safety and Well-being in Pan-Asia and the Pacific Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China, December 12-14, 2024 - Metabolomics analysis reveals the valuable bioactive compounds of *Ardisia elliptica*
4. Malaysia Mass Spectrometry User Meeting 2024, ThermoFisher Scientific Malaysia - Unveiling Bioactive Compounds in Malaysian Plants through LCMS/MS Analysis: A Research Journey from 2001 to 2024, October 22, 2024.
5. International Conference on Natural Products 2023 (ICNP2023), September 10-13, 2023 - Metabolic Alterations in Streptozotocin–Nicotinamide-Induced Diabetic Rats Treated with *Muntingia calabura* L. Extract Via 1H-NMR-Based Metabolomics
6. 35<sup>th</sup> International Conference on Natural Products (ICNP 2019), 26 – 28 March 2019 - NMR-based metabolomics approach for quality control of selected medicinal plants
7. 2<sup>nd</sup> International Symposium on natural products for the future, November 4-6, 2018, University of Karachi, Pakistan - NMR based metabolomics for quality control of *Phyllanthus niruri* Linn. and identification of biomarkers for its diabetes related activities.
8. UPM-SHIMADZU Chromatography and spectroscopy 2019 - Application of LCMS-based Metabolomics in the Study of Natural Products, June 26-27, 2019.
9. International Symposium on Green Chemistry and Sustainable Developments, March 29, 2022 - NMR-based metabolomics approach for quality control of selected medicinal plants. University of Sargodha, Pakistan.

## GUEST LECTURE

1. Food Micro and Macro component, Master in Food Science and Engineering, School of Food Science and Engineering, South China University of Technology, China – 2018, 2019, 2021, 2022, 2023, 2024.
2. Traditional Medicinal Plant - 2<sup>nd</sup> Great International Summer Course, Universitas Gadjah Mada, August 8, 2021
3. Marine Natural product and their Functional Food – Faculty of Fisheries and Marine, Universitas Airlangga, December 4, 2024.
4. Metabolomics Study of Malaysian Plants – Indonesian Metabolomics Forum. Institute Pertanian Bogor, IPB, June 27, 2024.
5. Identification of bioactive compounds in plants by using NMR base metabolomics approach – Faculty of Agriculture Natural Resources and Environment, Naresuan University, Phitsanulok, Thailand, June 25-27, 2018.