CURRICULUM VITAE

A. *PERSONAL DETAILS*			
Full Name	FARIDAH ABAS		*Title: Prof Dr*
Mykad No. / Passport No.	*Citizenship* Malaysia	*Race* Malay	*Gender* Female
Designation	Professor	*Date of Birth*	21 Dec

Current Address	*Department/Faculty*	*E-mail Address and URL*
Putrajaya	Department of Food Science Faculty of Food Science and Technology UPM Laboratory of Natural Products, Institute Bioscience, UPM Tel: +60397698343 Fax: +60389423552	E-mail: faridah_abas@upm.edu.my URL: H/P: +6019-3752092

B. *ACADEMIC QUALIFICATION*			
Certificate / Qualification obtained	*Name of School / Institution)*	*(Year obtained)*	*Area of Specialization*
Ph.D	UPM	2005	Phytochemistry
BSc. Edu. (Hons)	UPM	1999	Biology/Chemistry

C. *LANGUAGE PROFICIENCY*					
Bahasa / *Language*	Lemah *Poor (1)*	Sederhana *Moderate (2)*	Baik *Good (3)*	Amat Baik *Very good (4)*	Cemerlang *Excellent (5)*
English				4	
Bahasa Melayu				4	
Chinese					
Lain-lain *(other):*					

D. *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

E. *EMPLOYMENT*

Majikan / *Employer*	Jawatan / *Designation*	Jabatan / *Department*	Tarikh lantikan / *Start Date*	Tarikh tamat / *Date Ended*
UPM	Postdoctoral Fellow	IBS	June 2005	Dec 2005
UPM	Lecturer	JSM, FSTM	Jan 2006	October 2009
UPM	Senior Lecturer	JSM, FSTM	October2009	October 2011
UPM	Associate Professor	JSM, FSTM	October2011	2019
UPM	Head of Department	JSM, FSTM	Jun 2010	February 2012
UPM	Deputy Dean	Academic and Student Affairs	February 2012	January 2013
UPM	Professor	JSM, FSTM	2019	Present

F. *HONOURS AND AWARDS*

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 ServiceAward	Universiti Putra Malaysia	University	2009, 2014, 2018
Sponsorship Award	2nd Joint Symposiumon 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-September 2007
International Inventions, Innovation, Industrial Design Technology Exhibition (ITEX), Kuala Lumpur	Silver Medal tHGA – A new potential leucotriene inhibitor from *Melicope ptelefolia*	Malaysian Invention and Design Society	International	2006
MOSTI-fellowship	Post-Doc Fellowship -Organic Synthesis	MOSTI	National	2005

Excellent Malay Student	Undergraduate award	Faculty of Science and Environmental Studies	Faculty	1999
Pameran Rekacipta, Penyelidikandan Inovasi (PRPI 2016) winner of Silver Medal	NMR based metabolomics approach for quality control of *Phyllanthus niruri* Linn. and identification of biomarkers for its diabetes related activities.	UPM	University	2016

G. *LIST OF PUBLICATIONS – AUTHOR (S), TITLE, JOURNAL, VOLUME, PAGE AND YEAR PUBLISHED)*

Articles 312, h-Index = 34, Total Citation = 4904 (Scopus)

h-Index = 42, Total Citation 7670 (Google Scholar)

AU-ID Scopus ("Abas, F."6506864882***)***

Citation Indexed Journals

Bil.	Title
1	Choo, B.K.M., Kundap, U.P., Faudzi, S.M.M., **Abas, F.,** Shaikh, M.F., Samarut, É. Identification of curcumin analogues with anti-seizure potential in vivo using chemical and genetic zebrafish larva seizure models (2021) Biomedicine and Pharmacotherapy, 142, art. no. 112035, .
2	Wong, P.L., Ramli, N.S., Tan, C.P., Azlan, A., **Abas, F***. Metabolomic analysis reveals the valuable bioactive compounds of Ardisia elliptica (2021) Phytochemical Analysis, 32 (5), pp. 685-697.
3	Buzgaia, N., Lee, S.Y., Rukayadi, Y**., Abas, F**., Shaari, K. Antioxidant activity, α-glucosidase inhibition and uhplc–esi–ms/ms profile of shmar (Arbutus pavarii pamp) (2021) Plants, 10 (8), art. no. 1659, .
4	Abd. Wahab, N.A., **Abas, F.**, Othman, I., Naidu, R. Diarylpentanoid (1,5-bis(4-hydroxy-3-methoxyphenyl)-1,4-pentadiene-3-one) (MS13) Exhibits Anti-proliferative, Apoptosis Induction and Anti-migration Properties on Androgen-independent Human Prostate Cancer by Targeting Cell Cycle–Apoptosis and PI3K Signalling Pathways (2021) Frontiers in Pharmacology, 12, art. no. 707335, .
5	Kim, Y.-M., **Abas, F***., Park, Y.-S., Park, Y.-K., Ham, K.-S., Kang, S.-G., Lubinska-Szczygeł, M., Ezra, A., Gorinstein, S. Bioactivities of phenolic compounds from kiwifruit and persimmon (2021) Molecules, 26 (15), art. no. 4405, - Q2
6	Goh, K.M., Maulidiani, M., Rudiyanto, R., **Abas, F**., Lai, O.M., Nyam, K.L., Alharthi, F.A., Nehdi, I.A., Tan, C.P. The detection of glycidyl ester in edible palm-based cooking oil using FTIR-chemometrics and 1H NMR analysis (2021) Food Control, 125, art. no. 108018, .
7	Ahmad Azam, A., Ismail, I.S., Shaikh, M.F., **Abas, F**., Shaari, K. Multi-Platform Metabolomics Analyses Revealed the Complexity of Serum Metabolites in LPS-Induced

	Neuroinflammed Rats Treated with Clinacanthus nutans Aqueous Extract (2021) Frontiers in Pharmacology, 12, art. no. 629561, .
8	Yusoff, N.A.H., Rukayadi, Y., **Abas, F**., Khatib, A., Hassan, M. Antimicrobial stability of Cosmos caudatus extract at varies pH and temperature, and compounds identification for application as food sanitiser (2021) Food Research, 5 (3), pp. 83-91.
9	Abdullah Sani, M.S., Bakar, J., Abdul Rahman, R., **Abas, F**. Antibacterial composition of bioautographic fractions, characteristics, and stability of Carica papaya seed extract (2021) International Food Research Journal, 28 (3), pp. 443-456.
10	Lasano, N.F., Ramli, N.S., Abdul Hamid, A., Karim, R., Pak Dek, M.S., **Abas, F**. In Vitro Antidiabetic Property and Phytochemical Profiling of Mangifera Odorata Pulp Using Uhplc-esi-orbitrap-ms/ms (2021) International Food Research Journal, 28 (2), pp. 366-376.
11	Tajuddin, W.N.B.W.M**., Abas, F*.,** Othman, I., Naidu, R. Molecular mechanisms of antiproliferative and apoptosis activity by 1,5-bis(4-hydroxy-3-methoxyphenyl) 1,4-pentadiene-3-one (MS13) on human non-small cell lung cancer cells. International Journal of Molecular Sciences, 22 (14), art. no. 7424, - Q1
12	Tan, W.-K., Lee, S.-Y., Lee, W.-J., Hee, Y.-Y., Zainal Abedin, N.H., **Abas, F**., Chong, G.-H. Supercritical carbon dioxide extraction of pomegranate peel-seed mixture: Yield and modelling (2021) Journal of Food Engineering, 301, art. no. 110550, .
13	Goh, K.M., Maulidiani, M., Rudiyanto, R., **Abas, F**., Lai, O.M., Nyam, K.L., Alharthi, F.A., Nehdi, I.A., Tan, C.P. The detection of glycidyl ester in edible palm-based cooking oil using FTIR-chemometrics and 1H NMR analysis (2021) Food Control, 125, art. no. 108018, .
14	Mohamed Yunus, S.N., Zolkeflee, N.K.Z., Jaafar, A.H., **Abas, F*.** Metabolite identification in different fractions of *Ficus auriculata* Loureiro fruit using the 1H-NMR metabolomics approach and UHPLC-MS/MS (2021) South African Journal of Botany, 138, pp. 348-363.
15	Lee, Y.Q., Rajadurai, P., **Abas, F**., Othman, I., Naidu, R. Proteomic Analysis on Anti-Proliferative and Apoptosis Effects of Curcumin Analog, 1,5-bis(4-Hydroxy-3-Methyoxyphenyl)-1,4-Pentadiene-3-One-Treated Human Glioblastoma and Neuroblastoma Cells (2021) Frontiers in Molecular Biosciences, 8, art. no. 645856,
16	Bustamam, M.S.A., Pantami, H.A., Azizan, A., Shaari, K., Min, C.C., **Abas, F**., Nagao, N., Maulidiani, M., Banerjee, S., Sulaiman, F., Ismail, I.S. Complementary Analytical Platforms of NMR Spectroscopy and LCMS Analysis in the Metabolite Profiling of *Isochrysis galbana* (2021) Marine drugs, 19 (3), .
17	Kadir, N.A.A.A., Azlan, A., **Abas, F**., Ismail, I.S. Quality of dabai pulp oil extracted by supercritical carbon dioxide and supplementation in hypercholesterolemic rat—a new alternative fat (2021) Foods, 10 (2), art. no. 262, .
18	Mohamed Yunus, S.N., Abdul-Hamid, N.A., Jaafar, A.H., Lawal, U., **Abas, F*.** NMR-based metabolomics for elucidating the bioactive compounds from Mangifera caesia Jack and Ficus auriculata lour (2021) Journal of Food Biochemistry, 45 (2), art. no. e13610, .
19	Hellal, K., Mediani, A., Ismail, I.S., Tan, C.P., **Abas, F*.** 1H NMR-based metabolomics and UHPLC-ESI-MS/MS for the investigation of bioactive compounds from *Lupinus albus* fractions (2021) Food Research International, 140, art. no. 110046, .

20	Mohamed Yunus, S.N., **Abas, F*.**, Jaafar, A.H., Azizan, A., Zolkeflee, N.K.Z., Abd Ghafar, S.Z. Antioxidant and α-glucosidase inhibitory activities of eight neglected fruit extracts and UHPLC-MS/MS profile of the active extracts (2021) Food Science and Biotechnology, .
21	Ibraheem, S., Idris, Y.M.A., Mustafa, S., Kabeir, B., **Abas, F**., Maulidiani, M., Abdul Hamid, N. Phytochemical profile and biological activities of Sudanese baobab (*Adansonia digitata* L.) fruit pulp extract (2021) International Food Research Journal, 28 (1), pp. 31-43.
22	Kadir, N.A.A.A., Azlan, A., **Abas, F**., Ismail, I.S. Hepatoprotective Effect of Supercritical Carbon Dioxide Extracted Dabai Pulp Oil and Its Defatted Pulp (2021) Molecules (Basel, Switzerland), 26 (3), .
23	Zolkeflee, N.K.Z., Isamail, N.A., Maulidiani, M., Abdul Hamid, N.A., Ramli, N.S., Azlan, A., **Abas, F*.** Metabolite variations and antioxidant activity of *Muntingia calabura* leaves in response to different drying methods and ethanol ratios elucidated by NMR-based metabolomics (2021) Phytochemical Analysis, 32 (1), pp. 69-83.
24	Al-Mekhlafi, N.A., Mediani, A., Ismail, N.H., **Abas, F*.**, Dymerski, T., Lubinska-Szczygeł, M., Vearasilp, S., Gorinstein, S. Metabolomic and antioxidant properties of different varieties and origins of Dragon fruit (2021) Microchemical Journal, 160, art. no. 105687, .
25	Mohd Faudzi, S.M., Leong, S.W., Auwal, F.A., **Abas, F.**, Wai, L.K., Ahmad, S., Tham, C.L., Shaari, K., Lajis, N.H., Yamin, B.M. In silico studies, nitric oxide, and cholinesterases inhibition activities of pyrazole and pyrazoline analogs of diarylpentanoids (2021) Archiv der Pharmazie, 354 (1), art. no. 2000161, .
26	Toopkanloo, S.P., Tan, T.B., **Abas, F.**, Azam, M., Nehdi, I.A., Tan, C.P. Improving Vesicular Integrity and Antioxidant Activity of Novel Mixed Soy Lecithin-Based Liposomes Containing Squalene and Their Stability against UV Light (2020) Molecules (Basel, Switzerland), 25 (24), .
27	Toopkanloo, S.P., Tan, T.B., **Abas, F.**, Alharthi, F.A., Nehdi, I.A., Tan, C.P. Impact of quercetin encapsulation with added phytosterols on bilayer membrane and photothermal-alteration of novel mixed soy lecithin-based liposome (2020) Nanomaterials, 10 (12), art. no. 2432, pp. 1-25.
28	Abdul Kadir, N.A.A., Azlan, A., **Abas, F.**, Ismail, I.S. Effect of defatted dabai pulp extract in urine metabolomics of hypercholesterolemic rats (2020) Nutrients, 12 (11), art. no. 3511, pp. 1-16.
29	Mahmod, I.I., Ismail, I.S., Alitheen, N.B., Normi, Y.M., **Abas, F.**, Khatib, A., Rudiyanto, Latip, J. NMR and LCMS analytical platforms exhibited the nephroprotective effect of *Clinacanthus nutans* in cisplatin-induced nephrotoxicity in the in vitro condition (2020) BMC Complementary Medicine and Therapies, 20 (1), art. no. 320, .
30	Buzgaia, N., Awin, T., Elabbar, F., Abdusalam, K., Lee, S.Y., Rukayadi, Y., **Abas, F.**, Shaari, K. Antibacterial activity of *Arbutus pavarii* pamp against methicillin-resistant staphylococcus aureus (Mrsa) and uhplc-ms/ms profile of the bioactive fraction (2020) Plants, 9 (11), art. no. 1539, pp. 1-16.

31	Abd Ghafar, S.Z., Mediani, A., Maulidiani, M., Rudiyanto, R., Mohd Ghazali, H., Ramli, N.S., **Abas, F*** Complementary NMR- and MS-based metabolomics approaches reveal the correlations of phytochemicals and biological activities in *Phyllanthus acidus* leaf extracts (2020) Food Research International, 136, art. no. 109312, .
32	Mustafa, S.E., Mustafa, S., Ismail, A., **Abas, F.**, Abd Manap, M.Y., Ahmed Hamdi, O.A., Elzen, S., Nahar, L., Sarker, S.D. Impact of prebiotics on equol production from soymilk isoflavones by two Bifidobacterium species (2020) Heliyon, 6 (10), art. no. e05298, .
33	Leong, S.W., Chia, S.L., **Abas, F.**, Yusoff, K. In-vitro and in-silico evaluations of heterocyclic-containing diarylpentanoids as Bcl-2 inhibitors against lovo colorectal cancer cells (2020) Molecules, 25 (17), art. no. 25173877, .
34	Ismail, N.I., Othman, I., **Abas, F.**, Lajis, N.H., Naidu, R. The Curcumin Analogue, MS13 (1,5-Bis(4-hydroxy-3-methoxyphenyl)-1,4-pentadiene-3-one), Inhibits Cell Proliferation and Induces Apoptosis in Primary and Metastatic Human Colon Cancer Cells (2020) Molecules, 25 (17), art. no. 3798, .
35	Azam, A.A., Ismail, I.S., Kumari, Y., Shaikh, M.F., **Abas, F.**, Shaari, K. The anti-neuroinflammatory effects of *Clinacanthus nutans* leaf extract on metabolism elucidated through 1H NMR in correlation with cytokines microarray (2020) PLoS ONE, 15 (9 September), art. no. e0238503, .
36	Kam, W.-Y.J., **Abas, F.**, Hussain, N., Mirhosseini, H. Comparison of crude extract from D*urio zibethinus* M. (durian) leaf waste via ultrasound-assisted extraction and accelerated solvent extraction: antioxidant activity and cytotoxicity (2020) Natural Product Research, 34 (13), pp. 1937-1941.
37	Azam, A.A., Ismail, I.S., Vidyadaran, S., **Abas, F.**, Shaari, K. 1H NMR-based metabolomics of *Clinacanthus nutans* leaves extracts in correlation with their anti-neuroinflammation towards LPS-induced BV2 cells (2020) Records of Natural Products, 14 (4), pp. 231-247.
38	Azizan, A., Maulidiani, M., Rudiyanto, R., Shaari, K., Ismail, I.S., Nagao, N., **Abas, F*.** Mass spectrometry-based metabolomics combined with quantitative analysis of the microalgal diatom (*Chaetoceros calcitrans*) (2020) Marine Drugs, 18 (8), art. no. 403, .
39	Alkhateeb, Y., Jarrar, Q.B., **Abas, F.**, Rukayadi, Y., Tham, C.L., Hay, Y.K., Shaari, K. Pharmacokinetics and Metabolism of Liposome-Encapsulated 2,4,6-Trihydroxygeranylacetophenone in Rats Using High-Resolution Orbitrap Liquid Chromatography Mass Spectrometry (2020) Molecules, 25 (13), art. no. 3069, .
40	Pauzi, F.A., Sahathevan, S., Khor, B.-H., Narayanan, S.S., Zakaria, N.F., **Abas, F.**, Karupaiah, T., Daud, Z.A.M. Exploring metabolic signature of protein energy wasting in hemodialysis patients (2020) Metabolites, 10 (7), art. no. 291, pp. 1-16.
41	Wong, P.L., Fauzi, N.A., Yunus, S.N.M., Hamid, N.A.A., Ghafar, S.Z.A., Azizan, A., Zolkeflee, N.K.Z., **Abas, F.** Biological Activities of Selected Plants and Detection of Bioactive Compounds from *Ardisia elliptica* Using UHPLC-Q-Exactive Orbitrap Mass Spectrometry (2020) Molecules, 25 (13), art. no. 3067, .

42	Sulaiman, F., Azam, A.A., Bustamam, M.S.A., Fakurazi, S., **Abas, F.**, Lee, Y.X., Ismail, A.A., Faudzi, S.M.M., Ismail, I.S. Metabolite profiles of red and yellow watermelon (*Citrullus lanatus*) cultivars using a 1H-NMR metabolomics approach (2020) Molecules, 25 (14), art. no. 3235, .
43	Alqadeeri, F.M., **Abas, F.**, Shaari, K., Rukayadi, Y. Tailed pepper (Piper cubeba) L. berries extract reduced number of microbial populations in Tofu (2020) Food Research, 4 (3), pp. 738-745.
44	Chandradevan, M., Simoh, S., Mediani, A., Ismail, I.S., **Abas, F.** 1H NMR-Based Metabolomics Approach in Investigating the Chemical Profile, Antioxidant and Anti-Inflammatory Activities of *Gynura procumbens* and *Cleome gynandra* (2020) Plant Foods for Human Nutrition, 75 (2), pp. 243-251.
45	Goh, K.M., Wong, Y.H., **Abas, F.**, Lai, O.M., Yusoff, M.M., Tan, T.B., Wang, Y., Nehdi, I.A., Tan, C.P. Changes in 3-, 2-monochloropropandiol and glycidyl esters during a conventional baking system with addition of antioxidants (2020) Foods, 9 (6), art. no. 739, .
46	Yap, J.Y., Hii, C.L., Ong, S.P., Lim, K.H., **Abas, F.**, Pin, K.Y. Effects of drying on total polyphenols content and antioxidant properties of *Carica papaya* leaves (2020) Journal of the Science of Food and Agriculture, 100 (7), pp. 2932-2937.
47	Leong, S.W., Chia, S.L., **Abas, F.**, Yusoff, K. Synthesis and in-vitro anti-cancer evaluations of multi-methoxylated asymmetrical diarylpentanoids as intrinsic apoptosis inducer against colorectal cancer (2020) Bioorganic and Medicinal Chemistry Letters, 30 (8), art. no. 127065, .
48	Hellal, K., Maulidiani, M., Ismail, I.S., Tan, C.P., **Abas, F.** Antioxidant, α-glucosidase, and nitric oxide inhibitory activities of six Algerian traditional medicinal plant extracts and 1H-NMR-based metabolomics study of the active extract (2020) Molecules, 25 (5), art. no. 1247, .
49	Wahab, N.A.A., Lajis, N.H., **Abas, F.**, Othman, I., Naidu, R. Mechanism of anti-cancer activity of curcumin on androgen-dependent and androgen-independent prostate cancer (2020) Nutrients, 12 (3), art. no. 679, .
50	Maulidiani, M., **Abas, F.**, Rudiyanto, R., Kadir, N.H.A., Zolkeflee, N.K.Z., Lajis, N.H. Analysis of urinary metabolic alteration in type 2 diabetic rats treated with metformin using the metabolomics of quantitative spectral deconvolution 1H NMR spectroscopy (2020) Microchemical Journal, 153, art. no. 104513, .
51	Abdul Majid, N., Abdul Hamid, A., Salleh, S.Z., Saari, N., **Abas, F.**, Pak Dek, M.S., Ramli, N.S., Jaafar, A.H. Metabolomics approach to investigate the ergogenic effect of Morinda citrifolia L. leaf extract on obese Sprague Dawley rats (2020) Phytochemical Analysis, 31 (2), pp. 191-203.
52	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.

53	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.
54	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.
55	Wong, P.L., Ramli, N.S., Tan, C.P., Azlan, A., **Abas, F.** Metabolomic analysis reveals the valuable bioactive compounds of Ardisia elliptica (2020) Phytochemical Analysis, .
56	Ramli, F.N., Sajak, A.A.B., **Abas, F.**, Daud, Z.A.M., Azlan, A. Effect of saffron extract and crocin in serum metabolites of induced obesity rats (2020) BioMed Research International, 2020, art. no. 1247946, .
57	Shafiqa-Atikah, M.K., Nor-Khaizura, M.A.R., Mahyudin, N.A., **Abas, F.**, Nur-Syifa', J., Ummul-Izzatul, Y. Evaluation of phenolic constituent, antioxidant and antibacterial activities of sugarcane molasses towards foodborne pathogens (2020) Food Research, 4, pp. 40-47.
58	Chandradevan, M., Simoh, S., Mediani, A., Ismail, N.H., Ismail, I.S., **Abas, F.** UHPLC-ESI-Orbitrap-MS Analysis of Biologically Active Extracts from Gynura procumbens (Lour.) Merr. And Cleome gynandra L. Leaves (2020) Evidence-based Complementary and Alternative Medicine, 2020, art. no. 3238561, .
59	Awin, T., Mediani, A., Mohd Faudzi, S.M., Maulidiani, Leong, S.W., Shaari, K., **Abas, F.** Identification of α-glucosidase inhibitory compounds from *Curcuma mangga* fractions (2020) International Journal of Food Properties, 23 (1), pp. 154-166.
60	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 α-glucosidase inhibitory activities by 1H NMR (2020) Foods, 9 (2), art. no. 9020173, .
61	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,
62	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, .
63	Tajuddin, W.N.B.W.M., Lajis, N.H., **Abas, F.**, Othman, I., Naidu, R. Mechanistic understanding of curcumin's therapeutic effects in lung cancer (2019) Nutrients, 11 (12), art. no. 2989, .

Non-Citation Indexed Journals – Peer Reviewed Journals

Bil.	Title
1.	Zokti, J.A., Baharin, B.S., Mohammed, A.S., Abas, F. (2016) Solvent and supercritical fluid extractionof catechin from Camelia sinensis leaves for utilization as functional food ingredient. International Journal of Engineering and Technology, 16, 02, 21-27
2.	Zokti, J.A., Baharin, B.S., Mohammed, A.S., Abas, F. (2016) Microencapsulation of green tea extracts and its effect on the physio chemical and functional properties of mango drinks. International Journal of Basic and Applied Sciences, 16, 02
3.	Ndatsu Yakubu, Ahmad, S., Abas, F., Umaru Alhassan, M. (2016) Effect of curcumin analogue, 2,6-bis(2,5-dimethoxybenzylidene) cyclohexane (BDMC33) on the activities of drug metabolizing enzymes in cultured Caco-2 cell model. International Journal of Pharmaceutical Science and Drug Research, 8 (1), 57-64

H. *RESEARCH PROJECT*

Project No.	*Project Title*	*Role*	*Year*	*Source of fund*	*Status*
02-10-10-967FR	NMR-based metabolomics biofluids (animal metabolic study) of standardized *Centella asiatica* extract in the detection of physiological changes in rats induced diabetes	Project leader	2010	MOHE	Completed
NH1014D067	The inhibitory activity of *Clinacanthus nutans* standardized ethanolic extract on IgE-mediated mast cell activation and anaphylatic 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 *Callicarpa pentandra*.	Project leader	2008	MOSTI	Completed
02-01-04-SF0389	Rapid Detection of New Antioxidant Constituents from *Persicaria tenella* by HPLC-DAD-MS analysis	Project leader	2006	MOSTI	Completed
01-01-07-149FR	Bioassay guided isolation of cholinesterase inhibitor from *Tarenna lancifolia*	Project leader	2006	MOHE	Completed
05-02-12-2139RU	NMR based metabolomics assessment of anti-diabetic effect of *Cymbopogon citratus* leaves on streptozotocin induced diabetic	Project leader	2012	UPM	Completed
NH0612D008	MS and NMR based metabolomics analysis of *Phyllanthus niruri* 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 *Callicarpa maingayi* leaves	Project leader (RUGS)	2011	UPM	Completed

9362200	Metabolomic approach to identifying bioactive compounds in *Ipomoea aquatica* extract and biofluids for detection of biomarker in obese-diabetic induced rat	Project leader (RUGS)	2012	UPM	Completed
GP-IPS/2016/9514700	Anti-hyperglycemic potential of some Algerian endemic species RM20,000	Project leader	2016	UPM	Completed
GP-IPS/2016/9514600	Metabolite profiling of *Phyllanthus acidu*s 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 *Muntingia calabura* and identification of biomarkers for its diabetes related activities RM140,000	Project leader	2017	UPM	Ongoing
GP-IPS/2017/958940	Metabolite profiles of different varities of date palm fruits analyzed using NMR based metabolomics RM 25,000	Project leader	2017	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	Project leader	2021	UPM	Ongoing
FRGS/1/2021/WAB13/UPM/01/1	Unraveling the metabolome composition and antidiabetic activity of underutilized *Ficus racemosa* fruit via a multiplatform approach of NMR and LCMS metabolomics	Project leader	2021	MOHE	Ongoing

I. *POST GRADUATE AND UNDERGRADUATE SUPERVISION*

Level	Role	Completed	On-going
Ph.D	Supervisor	11 (2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021)	3
	Co-Supervisor	38 (2006-2021)	5
MSc.	Supervisor	16 (2010, 2011, 2014, 2015, 2016, 2017, 2018, 2019, 2021)	0
	Co-Supervisor	25 (2006-2021)	7
BSc.	Supervisor	47 (2006 – 2021)	3

J. *REFEREES FOR JOURNAL ARTICLES/BOOK/INDIVIDUALS*

- Appointed as the Editorial Board of the Pertanika Journal of Tropical Agricultural Science (August 2020-July 2022)
- Appointed as the Editorial Board of the *International Food Research Journal* published by UPM, since 2018 & reviews an average of 3-5 manuscripts in a month. Also, a frequent reviewer for most of the food science & technology and natural products-based journals on *ad hoc* basis
- Appointed as the Editorial Board of the Journal of Contemporary Medical Sciences published by Nab'a Al Hayat Foundation for Medical Sciences and health Care, Iraq.
- Co Editor Asian Coordinating Group for Chemistry (ACGC); 2005-2010

K. *ACADEMIC EXAMINER (EXTERNAL)*

Doctor of Philosopy

1. Jo Thy Lachumy A/P Subramanion (In Vivo and In Vitro radioprotective activities of *Polyalthia longifolia* and *Cassia spectabilis* against lethal irradiation) Institute for Research in Molecular Medicine (INFORMM), 2014, USM
2. Hijari Kan Fu Oh (The effects of drying on antioxidant, antimicrobial and anti-inflammatory properties of herbal tea leaf extracts), Monash University, April 2018.
3. Md Areeful Haque (Immunomodulating effect of *Zingiber zerumbet* (L.) Roscoe ex Sm. and *Tinospora crispa* (Wild) Hook. f. & Thomson on the signaling pathways in macrophages), UKM, February 2018.
4. Md Shahinuzzaman (Antioxidant and phenolic contents of essential oils and latex of *Ficus carica* L. with optimization), UKM, January 2018.
5. Wan Zuraida Wan Mohd Zain (Chemical constituents of *Dipterocarpus verrucosus* Foxw. ex Sloot, *Dipterocarpus cornutus* Dyer and *Dipterocarpus crinitus* Dyer and their biological activities), UiTM, May 2018.
6. Nor Azwani Mohd Rasidek (Subcritical water extraction of banana peel waste from food industry in production of low methoxyl pectin), UTM, April 2018.
7. Phaiwan Pramai (Metabolite profiling of bioactive components and properties of glutamate decarboxylase from germinated rice), Naresuan University, Thailand, 25 June 2018.
8. Halimatul Saadiah Mohammad Noor (Urinary Metabolomic profiling and antihyperglycemic properties of *Ficus deltoidea* Jack varieties in streptozotocin-nicotinamide induced diabetic rats), UiTM, October 2018.
9. Papichaya Incharoen (Metabolite Profiles of Pigmented Rice Extracts and Its Bioactivities Correlation using Metabolomics Approach), Naresuan University, Thailand, June 2020

Master of Science

1. Siti Nur Atiqah Binti Md Othman (Chemical Constituents and Bioactivities of *Phaleria macrocarpa* (Scheff.) Boerl. Fruits and Leaves), 2013, UTM.
2. Nur Adilla Jamalluddin (Essential oils, phytochemicals and bioactivity studies of *Curcuma aeruginosa* Aff. and *Kaempferia rotunda* Linn.), 2013, UTM
3. Khairunisa Binti Khairudin (Pemfrofilan dan Pencapjarian sebatian meruap daripada *Polygonum minus* Huds.), 2013, UKM.
4. Nadia Mustafa Abushoufa (Antimicrobial, Antioxidant and Toxicity studies of *Dicranopteris linearis*), 2013, USM.
5. Muhammad Fauzi Abd Jalil (Lipid digestion activity of *Eurycoma longifolia* Jack extracts loaded liposome), 2014, UTM.
6. Rozaliana Ab Karim (Biochemical and morphological changes of UVB-Irradiated human skin fibroblast (HSF1184) cells treated with *Labisia pumila* var *alata* Extract), 2014, UTM
7. Roslina Jamaludin (Efficacy of a wound healing gel incorporated with *Andrographis paniculata*-loaded niosome), 2015, UTM.
8. U seeta a/p Uthaya Kumar (*In Vitro* and *In Vivo* antioxidant activity of seed extract of *Cassia surattensis* plant), May 2015, USM.
9. Nur Hakimah Abdullah (Phytochemical study of Malaysian *Uncaria cordata* Var Ferrugenia and its anti hyperglycemic potential), September 2015, UiTM.
10. Ziyad Rafiqi Mohd Asri (Penilaian aktiviti antioksidan dan antibakteria ekstrak daun *Phrynium pubinerve* Blume), USM, 2017

11. Ziyad Rafiqi Mohd Asri (Penilaian aktiviti antioksidan dan antibakteria ekstrak daun *Phrynium pubinerve* Blume), USM, 2018 – Reexamination of the thesis.
12. Nursyahidah Alawiyah bte Idris – Comparative studies on antioxidant capacity of aqueous extract ginger, lemon grass and lemon using electrochemical and spectrophotometric approaches. Universiti Brunei Darussalam, 2018
13. Alyaa Abbas Fadhil Alkhafaji - Comparative evaluation of antioxidant activities and chemical composition of selected *Schizophyllum commune* fr. Natural, gamma-irradiated and hybrid strains. Universiti Malaya, 2021

L. *TEACHING*

Started teaching as a profession since the year 2006. Subjects taught for undergraduate include chemical analysis of foods, introduction to food chemistry, analysis and characterization of the functional properties of food components and chemistry of functional food. Subject taught for postgraduate include advanced methodology in food analysis and technique in food analysis. Supervised BSc, MSc and PhD student projects in the field of Food Science/ Phytochemistry / Natural Products Chemistry and Metabolomics

Previous Responsibilities (15 years)

(Ph. D) = Doctorate Level (MS) = Master Level (B) = Bachelor Level

No.	Subject	Course Credit	Number of Student	Responsibilities Semester
1.	FST 5102 Kaedah Lanjutan Dalam Analisis Makanan	3(2+1)	18 (Ph.D, MS)	Co-ordinator I 2006/2007
2.	FST 4816 Projek Tahun Akhir	3 (0+3)	6 (B)	Co-ordinator I 2006/2007
3.	FST 5102 Kaedah Lanjutan Dalam Analisis Makanan	3 (2+1)	23 (Ph.D, MS)	Co-ordinator II 2007/2008
4.	FST 4807 Seminar	1(1+0)	7 (B)	Co-ordinator II 2007/2008
5.	FST 4999A Projek Tahun Akhir	3 (0+3)	6 (B)	Co-ordinator II 2008/2009
6.	FST 5102 Kaedah Lanjutan Dalam Analisis Makanan	3(2+1)	18(Ph.D, MS)	Lecturer I 2006/2007
7.	FST 4807 Seminar	1(1+0)	80 (B)	Co-ordinator II 2006/2007
8.	FST 3107 Pengenalan Kepada Kimia Makanan	3 (2+1)	49 (B)	Co-ordinator I 2008/2009
9.	FST 4999A Projek Tahun Akhir	3 (0+3)	90 (B)	Co-ordinator I 2008/2009
10.	FST 4999B Projek Tahun Akhir	3 (0+3)	90 (B)	Co-ordinator II 2008/2009
11.	FST 3107 Pengenalan Kepada Kimia Makanan	3(2+1)	35 (B)	Lecturer II 2005/2006
12.	FST 5102 Kaedah Lanjutan Dalam Analisis Makanan	3(2+1)	18 (PhD, MS)	Lecturer I

				2006/2007
13.	FST 3109 Analisis Dan Pencirian Fungsi Komponen Makanan	2(0+2)	20 (B)	Co-ordinator I 2006/2007
14.	FST 3112 Analisis Kimia Makanan	2(0+2)	45 (B)	Co-ordinator II 2006/2007
15.	FST 5102 Kaedah Lanjutan Dalam Analisis Makanan	3 (2+1)	23 (PhD, MS)	Lecturer I 2007/2008
16.	FST 3112 Analisis Kimia Makanan – Kumpulan 1	2(0+2)	43 (B)	Co-ordinator II 2007/2008
17.	FST 3112 Analisis Kimia Makanan – Kumpulan 2	2(0+2)	39 (B)	Co-ordinator II 2007/2008
18.	FST 3112 Analisis Kimia Makanan – Kumpulan 3	2(0+2)	16 (B)	Co-ordinator II 2007/2008
19.	FST 3109 Analisis Dan Pencirian Fungi Komponen Makanan	2(0+2)	9 (B)	Co-ordinator II 2007/2008
20.	FST 3107 Pengenalan Kepada Kimia Makanan –Kumpulan 1	3 (2+1)	25 (B)	Co-ordinator I 2008/2009
21.	FST 3107 Pengenalan Kepada Kimia Makanan – Kumpulan 2	3 (2+1)	24 (B)	Co-ordinator I 2008/2009
22.	FST 4999A Projek Ilmiah Tahun Akhir	3 (0+3)	89 (B)	Co-ordinator I 2008/2009
23.	FST 3112 Analisis Kimia Makanan	2 (0+2)	45 (B)	Co-ordinator II 2008/2009
24.	FST 5102 Kaedah Lanjutan Dalam Analisis Makanan	3 (2+1)	15 (PhD, MS)	Lecturer II 2008/2009
25.	FST 4999B Projek Ilmiah Tahun Akhir	3 (0+3)	89 (B)	Co-ordinator II 2008/2009
26.	FST 4999A Projek Ilmiah Tahun Akhir	3 (0+3)	5 (B)	Co-ordinator II 2008/2009
27.	FST 4701 Kimia Fungsian Makanan	4 (4+0)	27 (B)	Co-ordinator I 2009/2010
28.	FST 4999A Projek Ilmiah Tahun Akhir	3 (0+3)	93 (B)	Co-ordinator I 2009/2010
29.	FST 4999B Projek Ilmiah Tahun Akhir	3 (0+3)	5 (B)	Co-ordinator I 2009/2010
30.	FST 5102 Kaedah Lanjutan Dalam Analisis Makanan	3 (2+1)	24 (PhD, MS)	Lecturer I 2009/2010
31.	FST 3112 Analisis Kimia Makanan	2 (0+2)	45 (B)	Co-ordinator II 2009/2010
32.	FST 4999B Projek Ilmiah Tahun Akhir	3 (0+3)	93 (B)	Co-ordinator II 2009/2010
33.	FST 4702 Isu dan Kontroversi dalam Makanan Fungsian	3 (3+0)	28 (B)	Lecturer II 2009/2010
34.	FST 4701 Kimia Fungsian Makanan	4 (4+0)	32 (B)	Co-ordinator I 2010/2011

35.	FST 5102 Kaedah Lanjutan Dalam Analisis Makanan	3 (2+1)	18 (PhD, MS)	Lecturer I 2010/2011
36.	FST 3112 Analisis Kimia Makanan	2 (0+2)	45 (B)	Co-ordinator II2010/2011
37.	FST 4999B Projek Ilmiah Tahun Akhir	3 (0+3)	93 (B)	Co-ordinator II 2010/2011
38.	FST 4701 Kimia Fungsian Makanan	4 (4+0)	32 (B)	Co-ordinator I 2011/2012
39.	FST 3112 Analisis Kimia Makanan	2 (0+2)	45 (B)	Co-ordinator II 2011/2012
40.	FST 4701 Kimia Fungsian Makanan	4 (4+0)	19 (B)	I 2012/2013
41.	FST 4701 Kimia Fungsian Makanan	4 (4+0)	15 (B)	I 2013/2014
42.	FST 3112 Analisis Kimia Makanan	2 (0+2)	35 (B)	II 2013/2014
43.	FST 4701 Kimia Fungsian Makanan	4 (4+0)	11 (B)	I 2014/2015
44.	FST 3112 Analisis Kimia Makanan	2 (0+2)	35 (B)	II 2014/2015
45.	FST5603 Diagnostik Makanan	3 (2+1)	30 (MS)	II 2014/2015
46.	FST 4701 Kimia Fungsian Makanan	4 (4+0)	11 (B)	I 2015/2016
47.	FST 3112 Analisis Kimia Makanan	2 (0+2)	26 (B)	II 2015/2016
48.	FST 4701 Kimia Fungsian Makanan	4 (4+0)	11 (B)	I 2016/2017
49.	FST5105 Teknik dalam Analisis Makanan	3 (2+1)	4 (MS)	I 2016/2017
50.	FST3115 Kimia dan Analisis Komponen Mikro Makanan	3 (2+1)	28 (B)	II 2016/2017
51.	FST4701 Kimia Fungsian Makanan	4 (4+0)	15 (B)	I 2017/2018
52.	FST3115 Kimia dan Analisis Komponen Mikro Makanan	3 (2+1)	28 (B)	II 2017/2018
53.	FST4705 Makanan Fungsian	3(3+0)	49 (B)	I 2018/2019
54.	FST3115 Kimia dan Analisis Komponen Mikro Makanan	3 (2+1)	64 (B)	II 2018/2019
55.	FST4705 Makanan Fungsian	3(3+0)	44 (B)	I 2019/2020
56.	FST3115 Kimia dan Analisis Komponen Mikro Makanan	3 (2+1)	64 (B)	II 2019/2020
57.	FST4705 Makanan Fungsian	3(3+0)	44 (B)	I 2020/2021
58.	FST3115 Kimia dan Analisis Komponen Mikro Makanan	3 (2+1)	64 (B)	II 2020/2021
59.	FST4705 Makanan Fungsian	3(3+0)	44 (B)	I 2021/2022