

CURRICULUM VITAE



A. BUTIR-BUTIR PERIBADI (<i>Personal Details</i>)			
Nama Penuh (<i>Full Name</i>)	ANIS SHOBIRIN BINTI MEOR HUSSIN		Gelaran (<i>Title</i>): Assoc. Prof. Dr.
No. MyKad / No. Pasport (<i>Mykad No. / Passport No.</i>) 730512-08-5074	Warganegara (<i>Citizenship</i>) Malaysia	Bangsa (<i>Race</i>) Malay	Jantina (<i>Gender</i>) Female
Jawatan (<i>Designation</i>)	Associate Professor	Tarikh Lahir (<i>Date of Birth</i>)	12 May 1973

Alamat Semasa (<i>Current Address</i>)	Jabatan/Fakulti (<i>Department/Faculty</i>)	E-mel dan URL (<i>E-mail Address and URL</i>)
18, Jalan Bunga Raya 2, Taman Nyior, 70100 Seremban, N Sembilan	Department of Food Technology, Faculty of Food Science & Technology	shobirin@putra.upm.edu.my

B. KELAYAKAN AKADEMIK (<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	International Islamic University Malaysia	2008	Biotechnology Engineering
Master's Degree	Universiti Putra Malaysia	2003	Enzymes and Food Biotechnology
Bachelor's Degree	Universiti Putra Malaysia	1997	Food Science and Technology

C. KEMAHIRAN BAHASA (<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				√	
Lain-lain (<i>other</i>):					

D. PENGALAMAN SAINTIFIK DAN PENGKhususan (<i>Scientific experience and Specialisation</i>)				
<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>
Institute of Food Research, UK	Visiting Scientist	1 Apr 2010	30 March 2012	Bioconversion of biomass

E. PEKERJAAN (Employment)				
Majikan / Employer	Jawatan / Designation	Jabatan / Department	Tarikh lantikan / Start Date	Tarikh tamat / Date Ended
UPM	Lecturer	Food Technology	24 July 2008	-

F. ANUGERAH DAN HADIAH (Honours and Awards)				
Name of awards	Title	Award Authority	Award Type	Year
Academic Awards	National Science Fellowship	Ministry of Science, Technology and Innovation	PhD Study Scholarship	2004-2008
Non-Academic Awards				
Awards of Merit				

G. 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)	
Journal	<ol style="list-style-type: none"> Zahra Shad, Hamed Mirhosseini, Anis Shobirin Meor Hussin, Bitra Forghani, Mahsa Motshakeri, Mohd Yazid Abdul Manap. 2018. Aqueous Two-Phase Purification of α-Amylase from White Pitaya (<i>Hylocereus undatus</i>) Peel in Polyethylene glycol /Citrate System: Optimization by Response Surface Methodology. <i>Biocatalysis and Agricultural Biotechnology</i>. https://doi.org/10.1016/j.bcab.2018.01.014 Nameer Khairullah Mohammed, Chin Ping Tan, Yazid Abd Manap, Amaal M. Alhelli, Anis Shobirin Meor Hussin. 2018. Stability of Microencapsulated Nigella Sativa Oil upon Accelerated Storage. <i>International Journal of Food Properties</i>. https://doi.org/10.1080/10942912.2017.1371189 Abd-ElAzim Farouk, N. Thoufeek Ahamed, Anis Shobirin Meor Hussin and Othman AlZahrani. 2017. Autolysis of Rice Bran Phytate in Long-Term Study on Batch Fermentor. <i>International Journal of Current Microbiology and Applied Sciences</i>. 6(12): 266-274 Che Wan Sapawi, C.W.N.S., Anzian, A., Ramli, H.B, and Meor Hussin, A.S.2017. Aqueous Extraction, Purification and Characterization of Galactomannans from Aren Sugar Palm (<i>Arenga pinnata</i>) Fruits. <i>International Journal on Advanced Science, Engineering and Information Technology</i>. 7(4):1148-1154. Rakibul Islam, Aini Ideris, Azhar Kasim, Abdul Rahman Omar, Anis Shobirin Meor Hussin and Farhana Yasmin. 2017. Evaluation of humoral immune response, body weight and blood Constituents of broilers supplemented with phytase on Infectious bursal disease vaccination. <i>Cogent Food & Agriculture</i>. 3: 1306933 Nameer Khairullah Mohammed, Chin Ping Tan, Yazid Abd Manap, Amaal M. Alhelli, Anis Shobirin Meor Hussin. 2017. Process conditions of spray drying microencapsulation of Nigella sativa oil. <i>Powder Technology</i>. 315: 1–14 N.H. Mahazar, Z. Zakuan, H. Norhayati, A.S. Meor Hussin and Y. Rukayadi. 2017. Optimization of Culture Medium for the Growth of <i>Candida</i> sp. and <i>Blastobotrys</i> sp. as Starter Culture in Fermentation of Cocoa Beans (<i>Theobroma cacao</i>) Using Response Surface Methodology (RSM). <i>Pakistan Journal of Biological Science</i>. 20 (3): 154-159 Meor Hussin, A.S., Mohamad Said, N.H., Che Wan Sapawi, C.W.N.S. Anzian, A. 2017. The Properties of Yogurt Coconut Shake and Coconut Shake. <i>Food and Applied Bioscience Journal</i>. 5(1): 49–67 Anzian, A., Sukor, R, Saari, N., Che Wan Sapawi, C.W.N.S. and Meor Hussin, A.S. 2017. Chemical Composition and Antioxidant Activity of Torch Ginger (<i>Etlingera elatior</i>) Flower

Extract. Food and Applied Bioscience Journal. 5(1): 32–48.

10. Amaal M. Alhelli, Mohd Yazid Abdul Manap, Abdulkarim Sabo Mohammed, Hamed Mirhosseini, Eilaf Suliman, Zahra Shad, Nameer Khairullah Mohammed, and **Anis Shobirin Meor Hussin**. 2016. Use of response surface methodology for partitioning, one-step purification of alkaline extracellular lipase from *Penicillium candidum* (PCA 1/TT031). *Journal of Chromatography B*, 1039: 66–73.
11. Amaal M. Alhelli, Mohd Yazid Abdul Manap, Abdulkarim Sabo Mohammed, Hamed Mirhosseini, Eilaf Suliman, Zahra Shad, Nameer Khairullah Mohammed and **Anis Shobirin Meor Hussin**. 2016. Response Surface Methodology Modelling of an Aqueous Two-Phase System for Purification of Protease from *Penicillium candidum* (PCA 1/TT031) under Solid State Fermentation and Its Biochemical Characterization. *International Journal of Molecular Science*. 17(11): 1872-1895.
12. Nameer Khairullah Mohammed, Mohd Yazid Abd Manap, Tan Chin Ping, Belal J. Muhialdin, Amaal M. Alhelli and Anis Shobirin Meor Hussin. 2016. The Effects of Different Extraction Methods on Antioxidant Properties, Chemical Composition, and Thermal Behavior of Black Seed (*Nigella sativa* L.) Oil. *Evidence-Based Complementary and Alternative Medicine*. doi.org/10.1155/2016/6273817
13. Fawzia Jassim Shalsh, Noor Azlina Binti Ibrahim, Mohammed Arifullah and Anis Shobirin Meor Hussin. 2016. Optimization of the protoplast fusion conditions of *Saccharomyces cerevisiae* and *Pichia stipitis* for improvement of bioethanol production from biomass. *Asian Journal of Biological Sciences*. 9:10-18
14. Choong, C.C., Anzian, A., Che Wan Sapawi, C.W.N.S. and Meor Hussin, A.S. 2016. Characterization of Sugar from *Arenga pinnata* and *Saccharum officinarum* sugars. *International Food Research Journal*. 23(4): 1642-1652.
15. Voon WW, Rukayadi Y, Meor Hussin AS. 2016. Isolation and identification of biocellulose-producing bacterial strains from Malaysian acidic fruits. *Letters Applied of Microbiology*. 62(5):428-33.
16. Nor Afizah Mustapha, Fatin Farhanah Binti Rahmat, Wan Zunairah Wan Ibadullah and **Anis Shobirin Meor Hussin**. 2015. Development of Jackfruit Crackers: Effects of Starch Type and Jackfruit Level. *International Journal of Advances Science Engineering Information Technology*. 5(5):330-333
17. Arsad, P, Sukor, R, Wan Ibadullah, WZ, Mustapha, NA, **Meor Hussin, AS**. 2015. Effects of Enzymatic Treatment on Physicochemical Properties of Sugar Palm Fruit Juice. *International Journal of Advances Science Engineering Information Technology*. 5(5): 308-312
18. Mahazar, N. H., Sufian, N. F., **Meor Hussin, A. S.**, Norhayati, H., Mathawan, M. and *Rukayadi, Y. 2015. *Candida* sp. as a starter culture for cocoa (*Theobroma cacao* L.) beans fermentation. *International Journal of Food Research*. 22(5): 1783-1787
19. Rafidah Mohd Ariff, Mohd Yazid Abd. Manap, Aini Ideris, Azhar Kassim, Abd-El Aziem Farook and **Anis Shobirin Meor Hussin**. 2015. Variables affecting the recombinant phytase production from *Escherichia coli* DH5 α . *Journal of Pure and Applied Microbiology*. 9(Spl. Edn. 1):257-263
20. R. Islam, A. Ideris, A. Kasim, A.R. Omar, **A.S. Meor Hussin**, F. Yasmin And Y. Akter. 2014. Effects Of Locally Produced Bacterial Phytase On Humoral Immunity, Live Body Weight And Blood Characteristics In Broilers Vaccinated Against Newcastle Disease. *Jurnal Veterinar. Malaysia*. 26 (1):8-16
21. Wendy Voon, W.Y., Ghali, N.A., Rukayadi, Y. and **Meor Hussin, A.S**. 2014. Application of betel leaves (*Piper betle* L.) extract for preservation of homemade chili bo. *International Food Research Journal*. 21(6): 2399-2403
22. **Meor Hussin AS**, Collins SRA, Merali Z, Parker ML, Elliston, A., Wellner N and Waldron KW. 2013. Characterisation of lignocellulosic sugars from municipal solid waste residue. *Biomass and Bioenergy*. 51:17-25
23. Rafidah Mohd Ariff, **Anis Shobirin Meor Hussin**, Anwar Fitrianto, Mohd Yazid Abd. Mana¹, Aini Ideris, Azhar Kassim and Afinah Suhairin. 2013. Cultivation Conditions for Phytase Production

from Recombinant *Escherichia Coli* DH5 α . *Microbiology Insight*. 6:17-28

24. Abd-El Aziem Farouk, Ralf Greiner and **Anis Shobirin Meor Hussin**. 2012. Purification and properties of a phytate-degrading enzyme produced by *Enterobacter sakazakii* ASUIA279. *Journal of Biotechnology and Biodiversity*. 3(1):1-9.
25. Nassim Naderi, Hasanah M. Ghazali, **Anis Shobirin Meor Hussin**, Mohd Yazid Abd. Manap. 2012. Characterization and Quantification of Betacyanin Pigments from Dragon Fruit (*Hylocereus polyrhizus*) Using Different Extraction Methods. *Pertanika JTAS*. 35(1):33-40.
26. Teoh Peck Lian, Shuhaimi Mustafa, **Anis Shobirin Meor Hussin** and Mohd Yazid Abdul Manap. 2011. Recent advance in the development of targeted delivery systems for probiotics. *Food Biotechnology Journal*. 25:77-101.
27. Shahin Roohinejad, Hamed Mirhosseini, **Anis Shobirin Meor Hussin**, Azizah Hamid, Nazamid Saari, Shuhaimi Mustafa, Ismail Alias, Mohd Yazid Abd Manap. 2011. Effect of pre-germination time on gamma amino butyric acid (GABA) contents in different varieties of Malaysian brown rice. *International Journal of Food Properties*. 14:1386-1366.
28. Nor Soleha Mohd Dali, Tamrin Nuge, Mohd. Hafidz Mahamad Maifiah, Faridah Yusof, **Anis Shobirin Meor Hussin**, Abd-Elaziem Farouk, and Hamzah Mohd. Salleh. 2011. Molecular Cloning and Production of Recombinant Phytase from *Bacillus subtilis* ASUIA243 In *Pichia Pastoris* IIUM Engineering Journal. 12(4):99-108.
29. N. Mohd. Yusoff, T. Nuge, N.H. Zainan, Y.Z.H-Y. Hashim, P. Jamal, **Anis Shobirin Meor Hussin**, Abd-Elaziem Farouk, and H.M. Salleh. 2011. Preliminary Investigation of Myo-Inositol Phosphates Produced by ASUIA279 phytase On Mcf-7 Cancer Cells. *IIUM Engineering Journal*. 12(4):141-151.
30. M. H. Mahamad Maifiah, P. Jamal, T. Nuge, N. S. Mohd Dali, **A.S. Meor Hussin**, Abd-Elaziem Farouk and H. Mohd. Salleh. 2011. Molecular Cloning Of Phytase Gene from ASUIA279 And Its Expression In *Pichia Pastoris* System. *IIUM Engineering Journal*. 12(4):171-178.
31. Babak Rasti, Mustafa Shuhaimi, **M. H. Anis Shobirin**, Leila Nateghi, Amir Meimandipour and A. Manap Mohd Yazid. 2011. Bile resistance and bile salt deconjugation activity of *Bifidobacterium pseudocatenulatum* G4 in a simulated colonic pH. *Journal of Food, Agriculture & Environment*. 9 (1): 8 9- 9 4.
32. Farnaz Faridnia, **Anis Shobirin Meor Hussin**, Nazamid Saari, Shuhaimi Mustafa, Loong Yik Yee and Mohd Yazid Abdul Manap. 2010. *In vitro* binding of mutagenic heterocyclic aromatic amines by *Bifidobacterium pseudocatenulatum* G4. *Beneficial Microbes*. 1(2):149-154.
33. Afinah S., Yazid AM, **Anis Shobirin M H**, Shuhaimi M. 2010. Phytase: Application in Food Industry. *International Food Research Journal*. 17:13-21.
34. K.A. Abbas, Sahar K. Khalil, Anis Shobirin Meor Hussin. 2010. Modified Starches and Their Usages in Selected Food Products: A Review Study. *Journal of Agricultural Science*. 2(2): 90-100.
35. Stephenie Wong, Barka M. Kabeir, Shuhaimi Mustafa, M. Rosfarizan, **Anis Shobirin Meor Hussin** and Mohd Yazid Manap. 2010. Viability of *Bifidobacterium pseudocatenulatum* G4 after spray-drying and freeze-drying. *Microbiology Insight*. 2:1-7
36. **Anis Shobirin M.H.**, A. Farouk, A.M. Ali and R. Greiner. 2010. Production of Phytate-degrading Enzyme from Malaysian Soil Bacteria using Rice Bran Containing Media. *Journal of Agrobiotechnology*. 1(1): 15-24.)
37. **Anis Shobirin Meor Hussin**, Abd-ElAziem Farouk and Hamzah Mohd Salleh. 2010. The Potential of Phytate-degrading Enzyme for Biotechnological Application: A review. *Journal of Agrobiotechnology*. 1(1): 1-14
38. Shahin Roohinejad, Alireza Omidzadeh, Hamed Mirhosseini, Nazamid Saari, Shuhaimi Mustafa Rokiah Mohd Yusuf, **Anis Shobirin Meor Hussin**, Azizah Hamid and Mohd Yazid Abd Manap. 2009. Effect of pre-germination times of brown rice on serum cholesterol level hypercholesterolemic rats. *Journal Science and Food Agriculture*. 90: 245–251
39. Shahin Roohinejad, Alireza Omidzadeh, Hamed Mirhosseini, Babak Rasti, Nazamid Saari,

	<p>Shuhaimi Mustafa, Rokiah Mohd Yusuf, Anis Shobirin Meor Hussin, Azizah Hamid and Mohd Yazid Abd Manap. 2009. Hypocholesterolemic properties of brown rice varieties contain different gamma aminobutyric acid (GABA) levels on Sprague-Dawley male rats. <i>International Journal of Food, Agriculture and Environment</i>. 7(3&4): 132-138.</p> <p>40. Abd-ElAzim Farouk, Anis Shobirin Meor Hussin, Ralf Greiner, Shareef Mohideen Ismail, Mohamed Faizal Batcha, Hamadah Mohd Nur Lubis. 2009. Statistical Optimization of the Induction of Phytase Production by Arabinose in a recombinant <i>E. coli</i> using Response Surface Methodology. <i>Asian Science Technology and Development Journal</i>. 26(1):67-78.</p> <p>41. Ali Qahtan Sulaiman, Farid Azizi Jalilian, Shuhaimi Mustafa, Zamberi Sekawi, Hasanah Mohd Ghazali, Anis Shobirin Meor Hussin and Abd Manap Yazid. 2009. Cholic acid resistance and the adherence ability of <i>Bifidobacterium pseudocaenulatum</i> G4. <i>African Journal of Biotechnology</i>. 8(19): 5066-5070</p> <p>42. Anis Shobirin M. H., A. Farouk and R. Greiner. 2009. Potential phytate-degrading enzyme producing bacteria isolated from Malaysian maize plantation. <i>African Journal of Biotechnology</i>. 8(15): 3540-3546</p> <p>43. Shahin Roohinejad, Hamed Mirhosseini, Nazamid Saari, Shuhaimi Mustafa, Ismail Alias, Anis Shobirin Meor Hussin, Azizah Hamid and Mohd Yazid Manap. 2009. Evaluation of GABA, crude protein and amino acid composition of different varieties of Malaysian's brown rice. <i>Australian Journal of Crop Science</i>. 3(4): 184-191.</p> <p>44. Anis Shobirin, M. H., A. Farouk, Hamzah, M. S. and R. Greiner 2007. Phytate-degrading Enzyme Production by Bacteria isolated from Malaysian soil. <i>World Journal of Microbiology and Biotechnology</i>. 23:1653-1660</p> <p>45. Shuhaimi Mustafa, Abdul Manaf Ali, Mohd. Safdi Abdul Manaf, Norihan Mohd. Salleh, Mohd. Yazid Abd. Manaf and Anis Shobirin Meor Hussin. 2004 Characterisation of bifidobacteria and other probiotic bacteria by repetitive element sequence-based PCR. <i>Journal of Bioscience</i>. 14(1): 19-27.</p> <p>46. Anis Shobirin M. H., Shuhaimi M., Abu-Bakar F., Ali A. M., Ariff A., Nur-Atiqah N.A. and Yazid A.M. 2003. Characterization of Salmonella spp. isolated from patients below 3 years old with acute diarrhoea. <i>World Journal of Microbiology and Biotechnology</i>. 19(7):751-755.</p>
Books/Monographs	<p>1. Shalsh FJ, Ibrahim N A, Anifullah M, and. Meor Hussin AS. Bioethanol production from the co-fermentation and co-culture fermentation of glucose and xylose by <i>Saccharomyces cerevisiae</i> and <i>Pichia stipitis</i> ATCC 58785 in a stirred tank bioreactor. In: <i>Advances in Power and Energy Engineering</i>. Edited by Yuanzhang Sun, CRC Press, 2016, pages 171–176. Print ISBN: 978-1-138-02846-3, eBook ISBN: 978-1-315-67680-7, DOI: 10.1201/b20131-30.</p> <p>2. Hussin A.S.M., Farouk A.-El., Salleh H., Manaf Ali A. and Ideris A., Optimization of cultivation conditions for the production of bacterial phytase from <i>Enterobacter sakazakii</i> ASUIA279 newly isolated from Malaysian maize root, In: K.W. Waldron, G.K. Moates & C.B. Faulds (eds.), <i>Total Food : Sustainability of the Agri-Food Chain</i>, RSC Books, Cambridge, 2010, pp 96-104.</p>
Proceedings	<p>1. Amaal M. Alhelli, Mohd Yazid Abdul Manap, Abdulkarim Sabo Mohammed, Hamed Mirhosseini, and Anis Shobirin Meor Hussin. 2017. Extraction crude enzyme of lipase from <i>Penicillium candidum</i> PCA 1/TT031. <i>International Food Research Conference (IFRC2017)</i>. 25 - 27 July 2017, Complex of the Deputy Vice Chancellor (Research & Innovation), Universiti Putra Malaysia.</p> <p>2. Nameer Khairullah Mohammed, Chin Ping Tan, Yazid Abd Manap, Anis Shobirin Meor Hussin. 2017. Pocess Conditions of Spray drying for microencapsulation of <i>Nigella sativa</i> oil. <i>International Conference on Natural Products (ICNP 2017)</i>. 15-16 March 2017, Swiss-garden Damai Laut, Lumut, Perak.</p> <p>3. Wan Zunairah Wl., Nor Afizah Mustapha, Dafina Dzulkarnain, Anis Shobirin Meor Hussin. 2016. Effects of Hydrocolloids on Development of Goat Milk Ice Cream. <i>International Conference-Sustainable Agriculture, Food and Energy (SAFE2016)</i>. 20-22 Oct 2016, Colombo, Sri Lanka.</p> <p>4. Izyani, A., Sukor, R., Roseliza, K.B. Meor-Hussin, A.S. 2016. Incorporation of Zinc Oxide as Antimicrobial Agent in Active Packaging. <i>International Conference-Sustainable Agriculture, Food and Energy (SAFE2016)</i>. 20-22 Oct 2016, Colombo, Sri Lanka.</p>

5. Nor Afizah Mustapha, Fatin Farhana Zainudin, Wan Zunairah Wan Ibadullah and Anis Shobirin Meor Hussin. 2016. Effects of Hydrocolloids on Physicochemical Properties of Okara-Enriched Bread. International Conference-Sustainable Agriculture, Food and Energy (SAFE2016). 20-22 Oct 2016, Colombo, Sri Lanka.
6. Anis Shobirin Meor Hussin, Nur Afizah Mustapha, Rashidah Sukor, Wan Zunairah Ibadullah, Che Wan Nur Safraa Che Wan Sapawi, Aliaa Anzian and Hajar Balkhis Ramli. 2016. Aqueous Extraction, Purification and Characterization of Galactomannans from Aren Sugar Palm (*Arenga Pinnata*) Fruits. International Conference-Sustainable Agriculture, Food and Energy (SAFE2016). 20-22 Oct 2016, Colombo, Sri Lanka.
7. Mohamad Said, N.H., Anzian, A., Che Wan Sapawi, C.W.N.S. and Meor Hussin, A.S. 2016. The properties of yogurt coconut shake. International Conference on Food and Applied Bioscience 2016 (ICFAB2016). 04-05 Feb 2016, Chiangmai, Thailand.
8. Anzian, A., Sukor, R, Saari, N., Che Wan Sapawi, C.W.N.S. and Meor Hussin, A.S.2016. Chemical Composition and Antioxidant Activity of Torch Ginger (*Etlingera elatior*) Flower Extract. International Conference on Food and Applied Bioscience 2016 (ICFAB2016). 04-05 Feb 2016, Chiangmai, Thailand.
9. Meor Hussin AS, Ahmad Sazalli NF, Ismail NA, Muhiaddin BJ, Abdul Manap MY. 2016. Nutritional and bioactive compounds of tubu leaves (*Pycnarrhena longifolia*) as potential source of functional food ingredient. ECOBIO 2016. 06-09 Mac 2016; Rotterdam, Netherland.
10. Sukor, R., Syed-Hijohari, S.N.J., Meor Hussin, A.S. 2015. Nutraceutical Potential and Chemical Properties of Selected Edible Flower. International Conference-Sustainable Agriculture, Food and Energy (SAFE2015). 17-19 November 2015; Ho Chi Minh City-Vietnam.
11. Sukor, R., Ahmad, S.W., Che Me, N., Meor Hussin, A.S. 2014. Spider flower (*Gynandropsis gynandra*), an alternative source of micronutrient: Effect of fermentation process on its properties. 2nd International Conference Sustainable Agriculture, Food, and Energy (SAFE2014). 17-19 September 2014; Denpasar-Bali-Indonesia.
12. Rashidah Sukor, Nazierah Aziz, Anis Shobirin Meor Hussin. 2014. Use of Raw Bird Chilies for Preservation of Fresh Coconut Milk. International Conference in Food Innovation (INNOVAFOOD 2014), 27-29 August 2014; Penang, Malaysia
13. Wendy Voon Wen, Noratiqah Amirah Ghali and **Anis Shobirin Meor Hussin**, 2013. Effect of betel leaves (*Piper betel* L.) extract on microbiological and physical properties of homemade Chili Bo. 2nd International Food Safety Conference (IFSAC2013), Food Safety: Critical Dimension of Food Security in Emerging Economies, 2 – 3 December 2013; Kuala Lumpur, Malaysia
14. **Anis Shobirin Meor Hussin** and Nur Izzati Hassan, 2013. Biochemical, microbial and physical changes during pekasam-style fermentation of *Anabas testudineus*. The 2013 Ift Annual Meeting & Food Expo, , 13-16 Julai 2013 Chicago, USA
15. Somayah Moradi Moghadam, **Anis shobirin Meor Hussin**, Shuhaimi Mustafa, Seyed Hamed Mirhosseini, Mohd Yazid Abdul Manap The influence of probiotic fermentation on *Catharanthus roseus* functional properties. 15th European Congress On Biotechnology 23-26 Sept 2012 Istanbul, Turkey
16. Saniza Sakinah Yusof, **Anis Shobirin Meor Hussin**, Aini Ideris, Nor Fadilah R., Azhar Kassim 2012. Cytotoxicity and mutagenicity evaluation of crude phytase from *Enterobacter sakazakii* ASUIA 279 for feed application. The 33rd Malaysian Society of Animal Production Annual Conference, 4-7 Jun 2012, Langkawi, Kedah, Malaysia
17. Saniza Sakinah Yusof, **Anis Shobirin Meor Hussin**, Aini Ideris, Azhar Kassim, Hamzah Salleh, Abdul Manaf Ali, Syed Othman. 2009. "Genotoxicity test of bacterial phytase for feed application". International Congress of Malaysian Society for Microbiology (ICMSM), on 1-4th December 2009, Park Royal Hotel, Penang, Malaysia.
18. Rafidah Mohd Ariff, **Anis Shobirin Meor Hussin**, Yazid Abd Manap, Aini Ideris, Azhar Kassim, Abdul Manap Ali, Hamzah Mohd Salleh. 2009 Optimization of Recombinant Phytase Production. International Congress of Malaysian Society for Microbiology (ICMSM), on 1-4th December 2009, Park Royal Hotel, Penang, Malaysia.

	<p>19. Afinah Suhairin@Sulimat, Yazid Abd Manap, Anis Shobirin Meor Hussin, Shuhaimi Mustafa. 2009. Potential Phytate Degrading Enzyme producing bacteria from Selected Phytate containing foods. International Congress of Malaysian Society for Microbiology (ICMSM), on 1-4th December 2009, Park Royal Hotel, Penang, Malaysia.</p> <p>20. Teoh Peck Lian, Shuhaimi Mustafa, Anis Shobirin Meor Hussin, Abdul Manap Yazid. 2009 Optimization Of Protective Media For Freeze-Drying Of Probiotic. International Congress of Malaysian Society for Microbiology (ICMSM), on 1-4th December 2009, Park Royal Hotel, Penang, Malaysia.</p> <p>21. Anis Shobirin Meor Hussin, Abd-ElAziem Farouk, Hamzah Salleh, Abd Manaf Ali, and Aini Ideris. 2009. Utilization of Rice Bran for Economical Production of Bacterial Phytases. 4th International Conferences in Impacts of Climate Change on Natural Resources. Ismailia, Egypt, 10-11 November 2009</p> <p>22. Khin San Mu K. Azhar I. Aini and S.M.H. Anis. 2009. The Effect of Locally Produced Dietary Microbial Phytase on Broiler Performance. Proceeding Annual Malaysian Society of Animal Production Conference, Kota Kinabalu, Sabah 2-5 June 2009.</p> <p>23. Anis Shobirin Meor Hussin, Abd-ElAziem Farouk, Hamzah Salleh, Abd Manaf Ali, and Aini Ideris. 2009. Optimization of Cultivation Conditions for the Production of Bacterial Phytase from <i>Enterobacter sakazakii</i> ASUIA279 Newly Isolated from Malaysian Maize Root. Total Food 2009. Sustainability of the Agri-Food Chain. Norwich Research Park, Norwich United Kingdom, 22nd-24th April 2009.</p> <p>24. Anis Shobirin Meor Hussin, Abd-ElAziem Farouk, Hamzah Salleh, Abd Manaf Ali, and Aini Ideris 2008. Potential Bacterial Phytate-degrading Enzymes from Malaysian Soil Bacteria. World Congress of Food Science and Technology. Shanghai, China, October 19-23, 2008 p 217</p> <p>25. Anis Shobirin Meor Hussin, Abd-ElAziem Farouk, Hamzah Mohd. Salleh, Mohamed Faizal Norbatcha and Nor Hasima Mahmod. 2008. Molecular Cloning and Expression of a Phytase Gene from Malaysian Soil Bacteria <i>Enterobacter sakazakii</i> ASUIA279. Proceedings 30th Symposium of Malaysian Society for Microbiology, Kuantan, 16th-19th August 2008 p 507-511.</p> <p>26. Farouk AE, Hussin A, and Greiner R. 2008. Production and Purification of Bacterial Phytate Degrading Enzymes from Halosphere, Rhizosphere and Endophyte of Maize Roots. Proceedings XX International Congress of Genetics, Berlin Germany, July 12-17, 2008 p 79.</p> <p>27. Farouk AE, Greiner R, Hussin A, Lubis H, Ideris A, Ismail S, Noorbachta M. 2008. Novel Recombinant Bacterial Phytase from <i>E. albertii</i> for Bioconversion of Rice Bran into Animal Feed. Proceedings XX International Congress of Genetics, Berlin Germany, July 12-17, 2008 p 174.</p>
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H. PROJEK PENYELIDIKAN TERDAHULU (Past Research Project)					
Project No.	Project Title	Role	Year	Source of fund	Status
UPM/700-2/1/GBP/2017/9570400	Torch Ginger (<i>Etlingera elatior</i>) inflorescence Essential Oil as functional Ingredient in Active Packaging System	Project Leader	2017	Geran Putra Berimpak	On-going
GP-IPS/2017/9568600	Developments and characterization of sourdough bread produced from kombucha tea as starter culture	Project Leader	2017	Geran Putra-IPS	On-going
GP-IPS/2017/9578000	Development and characterization of a coconut milk based kefir beverage using kefir grains and kefir starter culture	Project Leader	2017	Geran Putra-IPS	On-going
GP-IPS/2014/9438743	Enrichment of functional	Project	2014	Putra-IPD-	Completed

	properties of ice cream with <i>Nigella sativa</i> seed oil extracted by Supercritical Fluid Extraction	Leader		UPM	
02-02-13-1353FR	The umami taste compounds from Tubu/Sansakng (<i>Pycnarrhena cauliflora</i>) leaves and the effective quantity in selected food system	Project Leader	2013	FRGS	Completed
GP-IPS/2013/9396500	Production of biocellulose from Malaysian food waste by biocellulose-producing bacteria isolated from local acidic fruits	Project Leader	2013	Putra IPS	Completed
03-5450531-11801	Influence of Fermentation Process on Functional Properties of Kemuning Cina (<i>Catharanthus roseus</i>) Plant Extract	Project Leader	2010	ScienceFund	Completed
03-9160900-11801	Isolation and identification of phytate-degrading enzyme producing bacteria from phytate containing cereal and grain products	Project Leader	2009	RUGS	Completed

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