

## CURRICULUM VITAE



A. Personal Details		
Full Name:	Nurul Shazini Ramli	Title : Dr.
Date of Birth:	20 February 1987	Citizenship : Malaysian
Designation:	Senior Lecturer	Race : Malay
Subject Expertise:	Nutrition, Diet, Food factor & Metabolic health; Metabolomics	
<i>h</i> -index:	Scopus: 8	Google scholar:10
No. of Publications:	Scopus: 40	Google scholar:46
No. of Citations:	Scopus: 260	Google scholar:431
Publishing ID:	Scopus Author ID: 55331078600 1. Ramli, Nurul S. 2. Shazini Ramli, Nurul 3. Ramli, Nurul Shazini	

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B. Academic Qualification			
Certificate / Qualification obtained	Name of School / Institution	Year obtained	Area of Specialization
Ph.D.	Universiti Putra Malaysia	2015	Nutritional Sciences
Bsc.	Universiti Putra Malaysia	2010	Nutrition and Community Health
SPM	Sek. Men. Sultan Mansor	2004	Science stream

<b>C. Employment</b>				
Employer	Designation	Department	Start Date	Date Ended
The University of Tokyo, Japan	Postdoctoral Fellow	Applied Biological Chemistry, Graduate School of Agriculture and Life Sciences	September 2018	July 2019
Universiti Putra Malaysia	Senior Lecturer	Food Science, Faculty of Food Science and Technology	January 2015	Present
University of Southern Queensland, Australia	Occupational Trainee	School of health, Nursing and Midwifery	May 2012	December 2012
Universiti Putra Malaysia	Tutor	Food Science, Faculty of Food Science and Technology	January 2011	January 2015

<b>D. Honours and Awards</b>				
Name of awards	Title	Award Authority	Award Type	Year
Teaching Innovation	Gold medal at the "Putra InnoCreative Poster Competition" International Putra InnoCreative Carnival in Teaching & Learning 2020	Universiti Putra Malaysia	International	2020
Scientific Award	Bronze medal at "Pameran Reka Cipta Penyelidikan dan Inovasi" (PRPI 2016), 15-16 November 2016	Universiti Putra Malaysia	University	2016
Scientific Award	Best Poster Presentation at 4 <sup>th</sup> Annual Meeting of Hypoxia and Oxidative Stress Studies	Faculty of Medicine, Universitas Indonesia	International	2014
	NSM Undergraduate Prize	Nutrition Society of Malaysia (NSM)	National	2011
	Anugerah Pelajaran Diraja Konvokesyen UPM ke-34	Majlis Raja-Raja Malaysia	National	2010
	Hadiah Sarjana Terengganu 2010	Yayasan Terengganu	National	2010
	Kings' Scholarship Awards	Public Service Department	National	2010
	Faiza Award	Universiti Putra Malaysia	National	2009/2010
	Best student Faculty of	Koperasi	National	2010

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Academic Award	Medicine and Health Sciences	Universiti Putra Malaysia Berhad		
	<i>Anugerah Ilmuan Berjasa</i>	17 <sup>th</sup> College, Universiti Putra Malaysia	National	2010
	NSM Best student Year 2	Nutrition Society of Malaysia (NSM)	National	2009
	NSM Best student Year 1	Nutrition Society of Malaysia (NSM)	National	2008
	<i>Anugerah Cemerlang Akademik dan Kokurikulum</i> (Bs. Nutrition and Community Health)	17 <sup>th</sup> College, Universiti Putra Malaysia	National	2008/2009
	Vice Chancellor's List	Universiti Putra Malaysia	National	2007-2010
	Dean's List	Universiti Putra Malaysia	National	2006-2008
Non-academic awards	Excellence Service Award	Universiti Putra Malaysia	University	2020
	Excellence service Certificate	Universiti Putra Malaysia	University	2019
	Excellence service Certificate	Universiti Putra Malaysia	University	2018
	Excellence service Certificate	Universiti Putra Malaysia	University	2017
	Excellence service Certificate	Universiti Putra Malaysia	University	2016

E. Past Research Project				
Role	Project Title	Duration	Source of Fund	Status
Principle Investigator	Anti-Diabetic Property of <i>Citrullus lanatus</i> Leaf Extract In High Fat Diet and STZ Induced Diabetic Sprague Dawley Rats <b>(RM 26,000.00)</b>	24 months (Dec 2018-Mac 2021)	Universiti Putra Malaysia (GP-Putra/2018/9670900)	Ongoing
Principle Investigator	Phytochemical profiles, antioxidant and anti-proliferative activity of <i>Crescentia cujete</i> <b>(RM 20,000.00)</b>	2016-2018	Universiti Putra Malaysia (GP-IPS/2016/9481800)	Completed
Principle Investigator	Phytochemical profiles, antioxidant and anti-diabetic property of <i>Mangifera odorata</i> puree <b>(RM 60,000.00)</b>	2016-2018	Universiti Putra Malaysia (GP-IPM/2016/9474600)	Completed
Co-Researcher	Development of	2021-2023	E-dana ICF	Ongoing

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	trehalulose sugar with low glycemic index and high antioxidant activities as pure analytical standard and marker of high quality stingless bee honey <b>(RM447,500.00)</b>		(International Collaboration Fund)	
Co-Researcher	Development of online educational tool for tertiary education <b>(RM59862.00)</b>	2020-2021	Geran swasta/ Antarabangsa -Malaysia Palm Oil Council (MPOC)	Ongoing
Co-Researcher	Stability enhancement of anthocyanins from dried mangosteen pericarps through enzymatic acylation and intermolecular copigmentation <b>(RM101,900.00)</b>	2020-2021	FRGS - Fundamental Research Grant Scheme	Ongoing
Co-Researcher	Modelling of drying process of foam mat dried soursop powder <b>(RM87,000.00)</b>	2019-2021	FRGS - Fundamental Research Grant Scheme	Ongoing
Co-Researcher	The physico-chemical, phytochemical, antioxidant and shelf-life characteristics of hexanal vapour treated durian fruits <b>(RM 94,950.00)</b>	2019-2021	FRGS - Fundamental Research Grant Scheme	Ongoing
Co-Researcher	Frozen Frozen Desert from Cosmos Caudatus with Potent Antidiabetic Properties <b>(RM70,000.00)</b>	2019-2020	Geran Innohub	Ongoing
Co-Researcher	Contribution of lipids in development amylose-lipid complex through modified cooking to lower glycemic index in rice <b>(RM 50,000.00)</b>	2018-2020	Universiti Putra Malaysia (GP- Putra/2018/9648900)	Ongoing
Co-Researcher	NMR-Based Metabolomics for Quality Control of <i>Muntingia calabura</i> and Identification of Biomarkers for Its Diabetes-Related Activities <b>(RM 140,000.00)</b>	2017-2019	Universiti Putra Malaysia (GP- IPB/2017/9597400)	Completed

Co-Researcher	Evaluation of Sugarcane by-products as potential source of probiotics <b>(RM 25,000.00)</b>	2018-2020	Universiti Putra Malaysia (GP-IPS/2018/9615800)	Ongoing
Co-Researcher	Metabolites from <i>Polygonum minus huds</i> as potent anti-aging strategy using NMR-based metabolomics <b>(RM 50,000.00)</b>	2018-2020	Universiti Putra Malaysia (GP-Putra/2018/9650500)	Ongoing
Co-Researcher	Metabolites Profiling of <i>Phyllanthus acidus</i> and Correlation with Antioxidant, $\alpha$ -Glucosidase and Nitric Oxide Inhibitory Activities <b>(RM 20,000.00)</b>	2016-2018	Universiti Putra Malaysia (GP-IPS/2016/9514600)	Completed
Co-Researcher	Investigation of betacyanin-rich extract from <i>Hylocereus polyrhizus</i> on metabolic pathways of in High Carbohydrate High Fat (HCHF) diet induced obese rats <b>(RM 178,000.00)</b>	2012-2014	Universiti Putra Malaysia (04-02-12-1759RU)	Completed
Co-Researcher	Effects of betacyanin-rich extract on plasma glucose and serum lipid in high carbohydrate, high fat diet-induced obese rats <b>(RM 15,000.00)</b>	2012-2013	Universiti Putra Malaysia (04-02-11-137RU)	Completed

#### F. Supervision of Students

Status	Phd		Msc.	
	Main supervisor	Co-supervisor	Main supervisor	Co-supervisor
Completed	1	2	1	3
Ongoing	-	4	2	1

Role	Name	Project Title	Program	Status
Main Supervisor	Nur Fatimah Lasano	Phytochemical profiles, antioxidant and antidiabetic property of different parts of <i>Mangifera odorata</i>	MSc	Completed
Main Supervisor	Mozhiarhasi Sandra Sagrin	Acute Toxicity Effects <i>Crescentia cujete</i> 's barks, leaves and fruits in brine shrimp	Master by Coursework (MOFS)	Completed

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Main Supervisor	Muhammad Mustapha Jibril	Antidiabetic Effects <i>Citrullus lanatus</i> Flesh Extract in High Carbohydrate, High Fat Diet-induced Rats	PhD	Completed
Main Supervisor	Meena A/P selvanagam	Antidiabetic properties of <i>Crescentia cujete</i> extract in Streptozotocin-Nicotinamide induced Diabetic rats	Msc	Ongoing
Main Supervisor	Nur Syazwana Sahira bt Abdul Ghani	Metabolite variations, antioxidant activity and antidiabetic activity of <i>Cynometra cauliflora</i> fruits in response to different drying methods and ethanol ratios elucidate by LCMS and NMR-based metabolomics	Msc	Ongoing
Main Supervisor	Nur Amirah Adilah Bt Mohamad	Physicochemical Properties, Antioxidant and Anti-Microbial Activities of Dried Shrimp and Fermented Shrimp Products	Master by Coursework (MOFS)	Completed
Main Supervisor	Maryam Shakirah Bt Zainal Abidin	Phenolic composition and toxicity assessment of <i>Mangifera odorata</i>	Master by Coursework (MOFS)	Completed
Co-Supervisor	Wong Pei Lou	Chemical profiling of selected local plant in correlation to anti-diabetic effect on streptozotocin-nicotinamide induced diabetic rats model using metabolomics approach	PhD	Ongoing
Co-Supervisor	Sri Sampath Janaka Senevirathna	Development of antioxidant-rich extruded puffed breakfast cereal containing purple sweet potato ( <i>Lpomoea batatas</i> L.)	PhD	Ongoing
Co-Supervisor	Al Zabt Abdalrahman Mohammad Khamees	Antibacterial and antioxidant Activities, Phytochemical and Toxicity Analyses of Jambu Bol [ <i>Syzygium malaccense</i> (L.) Merr. and Perry] Leaves Extract and Its Application in Food	PhD	Ongoing
Co-Supervisor	Wan Nusrah Binti Wan Mansor	The development of cultured drink of red sugarcane juice	MSc	Ongoing
Co-Supervisor	Tan Suet Li	Preparation and characterization of cantaloupe ( <i>cucumis melo</i> l. <i>Reticulatus</i> cv. Glamour) fruit powder using foam mat drying and spray drying	MSc	Completed

Co-Supervisor	Hana Kadum Shanani	Ergogenic properties of different date varieties of date fruit ( <i>Phoenix dactylifera</i> )	PhD	Completed
Co-Supervisor	Siti Zulaikha Abdul Ghafar	Metabolites Profiling of <i>Phyllanthus acidus</i> and Correlation with Antioxidant, $\alpha$ -Glucosidase and Nitric Oxide Inhibitory Activities	MSc	Completed
Co-Supervisor	Dina A. A. Zidan	Evaluation of sugarcane by-products as a source of prebiotics	MSc	Completed
Co-Supervisor	Papichaya Incharoen	Bioactivities and Metabolites Profiles of Purple, Red, and Black Pigmented Rice Extracts and Their Correlation Using Metabolomic Approach	PhD	Completed
Co-Supervisor	Nur Khaleeda Zulaikha binti Zolkeflee	NMR-based metabolomics for Quality Control of <i>Muntingia Calabura</i> and Identification of Biomarkers for its Diabetes-Related Activities	PhD	Completed

## G. Publications

### Journal Publications (Latest 5 years Journal Publications)

1. Tan, S. L., Sulaiman, R., Rukayadi, Y., & Ramli, N. S. (2021). Physical, chemical, microbiological properties and shelf life kinetic of spray-dried cantaloupe juice powder during storage. *LWT*, 140, 110597.
2. Ramli, N. S., & Saadon, N. M. (2021, May). Effects of pickling steps on antioxidant activity of guava. In *IOP Conference Series: Earth and Environmental Science* (Vol. 756, No. 1, p. 012072). IOP Publishing.
3. Kadum, H., Hamid, A., Abas, F., Ramli, N. S., Jaafar, A. H., Dek, M. S. P., ... & Ibrahim, S. A. (2021). Using dates (*Phoenix dactylifera* L.) to improve energy metabolism in fatigue-induced Sprague Dawley rats. *Future Foods*, 4, 100077.
4. Zidan, D., Sabran, M. R., Ramli, N. S., Shafie, S. R., & Fikry, M. (2021). Prebiotic properties of xylooligosaccharide extracted from sugarcane wastes (pith and rind): a comparative study. *International Journal of Food Science & Technology*, 56(5), 2175-2181.
5. Senevirathna, S. S. J., Ramli, N. S., Azman, E. M., Juhari, N. H., & Karim, R. (2021). Optimization of the Drum Drying Parameters and Citric Acid Level to Produce Purple Sweet Potato (*Ipomoea batatas* L.) Powder Using Response Surface Methodology. *Foods*, 10(6), 1378.
6. Lasano, N. F. F., Ramli, N. S., Hamid, A. A., Karim, R., Dek, M. P., & Abas, F. (2021). In vitro antidiabetic property and phytochemical profiling of *Mangifera odorata* pulp using UHPLC-ESI-Orbitrap-MS/MS. *International Food Research Journal*, 28(2), 366-376.
7. Zolkeflee, N.K.Z., Ismail, N.A, Maulidiani, M., Abdul Hamid, N.A., Ramli, N.S., Azlan, A., Abas, F. (2021). Metabolites variations and antioxidant activity of *Muntingia calabura* leaves in response to different drying methods and ethanol ratios elucidated by NMR-based metabolomics. *Phytochemical Analysis*. 32(1), pp. 69-83
8. Wong, P. L., Ramli, N. S., Tan, C. P., Azlan, A., & Abas, F. (2020). Metabolomic analysis reveals the valuable bioactive compounds of *Ardisia elliptica*. *Phytochemical Analysis*. In Press.

9. Abd Ghafar, S. Z., Mediani, A., Maulidiani, M., Rudiyanto, R., Ghazali, H. M., Ramli, N. S., & Abas, F. (2021). Complementary NMR-and MS-Based Metabolomics Approaches Reveal the Correlations of Phytochemicals and Biological Activities in *Phyllanthus acidus* Leaf Extracts. *Food Research International*. 136, 109312.
10. Sallehuddin, N. A., Abdul-Hamid, A., Salleh, S. Z., Abdul-Majid, N., Halim, H. H., Ramli, N. S., ... & Pak-Dek, M. S. (2020). Ergogenic, anti-diabetic and antioxidant attributes of selected Malaysian herbs: characterisation of flavonoids and correlation of functional activities. *International Food Research Journal*, 27(1).
11. Mansor, N., Ramli, S., Azhari, S. H., & Abd Rahim, M. H. (2020). Effects of Different Preservation Treatments on Nutritional Profile on Juices from Different Sugar Cane Varieties. *Sains Malaysiana*, 49(2), 283-291.
12. Ramli, N. S., Jia, H., Sekine, A., Lyu, W., Furukawa, K., Saito, K., Hasebe, Y. & Kato, H. (2020). Eggshell membrane powder lowers plasma triglyceride and liver total cholesterol by modulating gut microbiota and accelerating lipid metabolism in high-fat diet-fed mice. *Food Science & Nutrition*, 8(5), 2512-2523.
13. Abdul Majid N, Abdul Hamid A, Salleh SZ, Saari N, Abas F, Pak Dek MS, Ramli NS, Jaafar AH. 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
14. Nur Azura, Z., Radhiah, S., Wan Zunairah, W.I., Nurul Shazini, R., Nur Hanani, Z.A., Ismail-Fitry, M.R. (2020). Physicochemical, cooking quality and sensory characterization of yellow alkaline noodle: Impact of mango peel powder level. *Food Research* 4(1), pp. 70-76.
15. Amirah, A.S., Nor Syazwani, S., Radhiah, S., Anis Shobirin, M.H., Nor-Khaizura, M.A.R., Wan Zunairah, W.I., Nurul Shazini, R. (2020). Influence of raisins puree on the physicochemical properties, resistant starch, probiotic viability and sensory attributes of coconut milk yogurt. *Food Research* 4(1), pp. 70-84
16. Noratirah Shazlin Muhamad Adyab, Asmah Rahmat, Noor Atiqah Aizan Abdul Kadir, Hawa Jaafar, Radhiah Shukri, Nurul Shazini Ramli. (2019). Mangosteen (*Garcinia mangostana*) flesh supplementation attenuates biochemical and morphological changes in the liver and kidney of high fat diet-induced obese rats. *BMC Complementary and Alternative Medicine*. 19(1),344
17. Hussin, M., Abdul Hamid, A., Abas, F., Ramli, N. S., Jaafar, A. H., Roowi, S., ... & Pak Dek, M. S. (2019). NMR-Based Metabolomics Profiling for Radical Scavenging and Anti-Aging. Properties of Selected Herbs. *Molecules*, 24(17), 3208.(ISI Q1 Pharmaceutical Science; 26th/174)
18. Selvakumaran L, Shukri R, Ramli NS, Dek MS, Ibadullah WZ. Orange sweet potato (*Ipomoea batatas*) puree improved physicochemical properties and sensory acceptance of brownies. *Journal of the Saudi Society of Agricultural Sciences*. 2017 Oct 9.
19. Lasano, N. F., Ramli, N. S., Hamid, A. H., Karim, R., Dek, M. S. P., & Shukri, R. (2019). Effects of different extraction solvents on polyphenols and antioxidant capacity of peel, pulp and seed kernel of *kuini* (*Mangifera odorata*). *Oriental Pharmacy and Experimental Medicine*, 1-10.
20. Bubin, S. F. A., Mat Ali, S., Shukri, R., Wan Ibadullah, W. Z., Ramli, N. S., Mustapha, N. A., & Mohammad Rashedi, I. F. (2019). Characterization and stability of pitaya pearls from hydrocolloids by reverse spherification. *International Journal of Food Properties*, 22(1), 1353-1364.
21. Kadum, H., Hamid, A. A., Abas, F., Ramli, N. S., Mohammed, A. K. S., Muhiaddin, B. J., & Jaafar, A. H. (2019). Bioactive compounds responsible for antioxidant activity of different varieties of date (*Phoenix dactylifera* L.) elucidated by <sup>1</sup>H-NMR based metabolomics. *International Journal of Food Properties*, 22(1), 462-476.
22. Lasano, N. F., Hamid, A. H., Karim, R., Dek, M. S. P., Shukri, R., & Shazini Ramli, N. (2019). Nutritional Composition, Anti-Diabetic Properties and Identification of Active Compounds Using UHPLC-ESI-Orbitrap-MS/MS in *Mangifera odorata* L. Peel and Seed Kernel. *Molecules*, 24(2), 320.(ISI Q1 Pharmaceutical Science; 26th/174)
23. Mozhiarhasi Sandra Sagrin, Nur Fatimah Lasano, Radhiah Sukri & Nurul Shazini Ramli (2019). Antioxidant Attributes and Toxicity Assessment of the *Crescentia cujete* Extracts on Brine Shrimp (*Artemia Salina*)" *Sains Malaysiana*, 48(4), 831-840.



24. Asmah Rahmat, Nur Syaffa' Syafirah Ahmad, Nurul Shazini Ramli. (2019). Parsley (*Petroselinum crispum*) supplementation attenuates serum uric acid level and improves liver and kidney structures in oxonate-induced hyperuricemic rats. *Oriental Pharmacy and Experimental Medicine*.
25. Siti Zulaikha Abd Ghafar, Ahmed Mediani, Maulidiani, Nurul Shazini Ramli, Faridah Abas
26. Antioxidant,  $\alpha$ -glucosidase, and nitric oxide inhibitory activities of *Phyllanthus acidus* and LC-MS/MS profile of the active extract. 2018. *Food Bioscience* 25, pp. 134-140. (ISI Q2 Agriculture and Biological Sciences (Food Science); 44th/225)
27. Kadum, H., Hamid, A. A., Abas, F., Ramli, N. S., Mohammed, A. K. S., & Muhiaddin, B. J. (2018). Applications of Date (*Phoenix dactylifera* L.) Fruits as Bioactive Ingredients in Functional Foods. *Journal of Pure and Applied Microbiology* vol, 12, 1101-1108.
28. Lasano, N. F., Rahmat, A., Ramli, N. S., & Bakar, M. F. A. (2018). Effect of Oven and Microwave Drying on Polyphenols Content and Antioxidant Capacity of Herbal Tea from *Strobilanthes crispus* Leaves. *Asian J Pharm Clin Res*, 11(6), 363-368. (Scopus-cited)
29. Shukri, F. S. A., Refai, S. A., Shukri, R., Muhammad, K., Mustapha, N. A., Ibadullah, W. Z. W., & Ramli, N. S. (2017). Dough rheology and physicochemical properties of steamed buns fortified with cross-linked rice starch. *Bioactive Carbohydrates and Dietary Fibre*, Volume 12, October 2017, Pages 1-6. (ISI Q1 Agriculture and Biological Sciences (Food Science); 30th/246)
30. Nurul Shazini, R, Ismail P. and Rahmat, A. (2016). Red pitaya juice supplementation ameliorates energy balance homeostasis by modulating obesity-related genes in high-carbohydrate, high-fat diet-induced metabolic syndrome rats. *BMC Complementary and Alternative Medicine*, 16:243. (ISI Q1 Category Integrative and Complementary Medicine; IF 2.288; 6th/25)
31. Noratirah Shazlin MA, Asmah R, Nurul Shazini R, Hawa ZEJ. (2016). Effect of mangosteen (*Garcinia mangostana*) on morphological changes in the liver and kidney of rats fed with high fat diet. *Malaysian Journal of Microscopy*, 12:48-53. (Non-Scopus)
32. Nurul Shazini R, Asmah R and Patimah I. (2016). Effect of betanin supplementation on the histological structure of liver and heart in high-carbohydrate, high-fat diet-induced metabolic syndrome rats. *Malaysian Journal of Microscopy*, 12:78-83. (Non-Scopus)