

SHAHRUL RAZID SARBINI

Faculty of Agricultural Science and Forestry, UPMKB

TEACHING | 2, postgraduate subject (M.Sc. & Ph.D.)
10, undergraduate subject (B.Sc.: 7, Dip.: 2, Prelim: 1)

MAIN SUPERVISION | 3, Ph.D. student (1 completed)
11, M.Sc. student (8 completed)
21, B.Sc. student (19 completed)

RESEARCH INPUT | 12, project as principal researcher (Total: RM 1,063,210)
8, project as co-researcher (Total: RM 723,600)

RESEARCH OUTPUT | 38, article in journal
3, book
12, chapter in book
1, patent

RECOGNITION | 6, invited / keynote speaker in international conference
116, reviewer of article in journal
6, reviewer of research grant
9, editorial board
8, *h*-index in Scopus (294 citations)
10, *h*-index in Google Scholar (471 citations)

PUBLIC & COMMUNITY SERVICES | 6, lead of community project
27, involvement in public & community service

HONOURS & AWARDS | 9, research award
9, service award
5, scholarship award

CURRICULUM VITAE

SHAHRUL RAZID SARBINI
Department of Crop Science
Faculty of Agricultural Science and Forestry
Universiti Putra Malaysia Kampus Bintulu Sarawak

PERSONAL DETAIL

Date of Birth : November 23, 1981
 Place of Birth : Kuching, Sarawak, Malaysia
 Gender : Male
 Religion : Islam
 Race : Malay
 Citizenship : Malaysian
 Marital Status : Married



OFFICIAL DETAIL

Designation : Associate Professor Dr.
 Administrative Post : Director of Campus
 Universiti Putra Malaysia Kampus Bintulu Sarawak (UPMKB)
 Grade : DS54 (since March 2017)
 Specialisation : Functional Food (Prebiotic; Probiotic; Gut Microbiota)
 UPM Staff No. : A03933
 Basic Salary : RM 8448.02
 Salary increment date : April
 Corresponding Address : Department of Crop Science
 Faculty of Agricultural Science and Forestry
 Universiti Putra Malaysia Kampus Bintulu Sarawak (UPMKB)
 Jalan Nyabau, 97008 Bintulu, Sarawak, Malaysia
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ACADEMIC QUALIFICATION

Degree	University	Title of Theses	Date of Award
Doctor of Philosophy in Food and Nutritional Sciences	University of Reading	Investigation of dextran as a potential prebiotic	15 December 2011
Master of Science in Biotechnology	Universiti Malaysia Sarawak	Cyclodextrin production by bioconversion of sago starch using CGTase from <i>Micrococcus luteus</i> CS16	4 August 2007
Bachelor of Science (Honours) in Resource	Universiti Malaysia	Restriction enzyme analysis of plasmid that confers heavy metal	10 August 2003

Biotechnology	Sarawak	resistance in bacteria
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POSITION AND EMPLOYMENT

Position	Institute / Division	Responsibility	Period
Director of Campus	UPMKB	<ul style="list-style-type: none"> Managing and developing all aspects of the campus 	Oct 2020 – Present
Dean	Faculty of Agricultural Science and Forestry, UPMKB	<ul style="list-style-type: none"> Managing and developing all aspects of the faculty 	Jul 2020 – Oct 2020
Associate Professor	UPM	<ul style="list-style-type: none"> Academic (subject taught): Bioindustrial Biotechnology, Food Microbiology and Fermentation Technology Research on functional food 	Mar 2017 – Present
Research Fellow	Institut Penyelidikan Produk Halal, UPM	<ul style="list-style-type: none"> Research on halal products 	Jan 2020 – Dec 2021
Research Fellow	Institut Ekosains Borneo, UPMKB	<ul style="list-style-type: none"> Research on functional food 	Aug 2019 – Jul 2021
Dean	Faculty of Agricultural and Food Sciences, UPMKB	<ul style="list-style-type: none"> Managing and developing all aspects of the faculty 	Mar 2018 – Feb 2021
Deputy Dean (Research and Postgraduate Study)	Faculty of Agricultural and Food Sciences, UPMKB	<ul style="list-style-type: none"> Managing and developing research activities and postgraduate students of the faculty 	Jan 2015 – Dec 2017
Senior Lecturer	UPM	<ul style="list-style-type: none"> Academic (subject taught): Bioindustrial Biotechnology, Food Microbiology and Fermentation Technology Research on functional food 	Jan 2012 – Feb 2017
Head of Department	Department of Animal Science and Fishery, Faculty of Agricultural and Food Sciences, UPMKB	<ul style="list-style-type: none"> Managing and developing all aspects of the department 	Feb 2014 – Dec 2014
Ph.D. Candidate	University of Reading	<ul style="list-style-type: none"> Investigating prebiotic potential of dextran: faecal culture fermentation, analytical chemistry, and animal cell culture 	Apr 2008 – Dec 2011
Tutor	UPM	<ul style="list-style-type: none"> Academic (subject taught): Principles of Biochemistry, Introduction to Food Science, Food Chemistry <i>etc.</i> 	Mar 2007 – Mar 2008
Research Officer	CRAUN Research Sdn. Bhd.	<ul style="list-style-type: none"> Lead research activities on food biotechnology 	May 2005 – Feb

				2007
Graduate Research Assistant	CRAUN Research Sdn. Bhd.	<ul style="list-style-type: none"> Assist research activities on food biotechnology Handling bacterial stocks 		Apr 2003 – Apr 2005

TEACHING EXPERIENCE

Course code	Course Title	Level	Credit hours	Year
BIP3302	Bioindustrial Biotechnology	Bachelor	3 (2+1)	2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013 & 2012
CAT4104	Food Microbiology	Bachelor	3 (2+1)	2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013 & 2012
CAT4105	Fermentation Technology	Bachelor	3 (2+1)	2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014 & 2013
AFS2001	Green Book Program	Diploma	2 (0+2)	2016, 2015 & 2014
PRT5905	Special Topic	Master / Ph.D.	4 (4+0)	2016
BGY5901	Research Methodology	Master / Ph.D.	3 (2+1)	2014
CPT2802	Handling and Processing of Agriculture Products	Diploma	3 (2+1)	2013
SFB0101	Biology I	Pre-Diploma	3 (2+1)	2012
FST3102	Food Chemistry	Bachelor	3 (2+1)	2008 & 2007
FST3003	Introduction to Food Science	Bachelor	3 (2+1)	2007
BCM3003	Principles of Biochemistry	Bachelor	3 (3+0)	2007
BIP3201	Principles of Primary Production System	Bachelor	3 (2+1)	2007

LANGUAGE PROFICIENCY

Examination	Year	Grade	
		English	Malay
International English Language Testing System (IELTS)	2007	7.5 of 9.0	n/a
Sijil Pelajaran Malaysia (SPM)	1998	C5	A3
Penilaian Menengah Rendah (PMR)	1996	A	A
Ujian Penilaian Sekolah Rendah (UPSR)	1993	A	A

Note: Good command in English and Malay.

ADMINISTRATIVE DUTY AND OTHER RESPONSIBILITY

a. International Level

Role	Period
Chairman, Congress on Sustainable Agriculture and Food Security 2020 (COSAFS2020)	Jan 2020 – Oct 2020
Advisor, International Summer School 2019 (ISS2019)	Feb 2019 – Jul 2019
Deputy Chairman, International Scientific Conference on Indigenous Crops (ISCIC2018)	May 2018 – Oct 2018
Chairman, International Summer School 2018 (ISS2018)	May 2018 – Oct 2018
Chairman, Festival Tari Borneo 2018 (FTB2018)	May 2018 – Oct 2018
Chairman, Sarawak Industrial Fiesta 2018 (SIF2018)	May 2017 – Apr 2018
Deputy Chairman, International Soil Conference 2017 (SOILS2017)	May 2016 – Apr 2017

b. National Level

Role	Period
Patron, Siswa Celik Wang 2020	Jul 2020 – Nov 2020
Interview Panel, MyBrain Scholarship, Ministry of Education Malaysia	Apr 2018 – Present
Chairman, Festival Semarak Belia	Jan 2020 – Aug 2020
Cluster Leader, Sarawak Research Development Council (SRDC)	Mar 2018 – Mar 2020
Advisor, Islamic Art Festival 2019 (IFest2019)	May 2019 – Oct 2019
Chairman, Putra Plogging Virtual Run 2019	Oct 2019 – Dec 2019
Chairman, Academic Open Day 2019	Jan 2019 – Mar 2019

c. University Level

Role	Period
Advisory Committee, Bachelor Science of Farm Management	Feb 2021
Advisory Committee, Bachelor Agriculture of Husbandry Science	Feb 2021
Committee, UPM Golden Jubilee Celebration	Dec 2020
Committee,	Nov 2020

Occupational Safety, Health and Environment	
Advisor, New Student Enrolment Team	Oct 2020
Chairman, Islamic Talk (Italk) @ UPMKB	Oct 2020
Committee, UPM Strategic Plan 2021 – 2025	Apr 2020 – Apr 2021
Committee, Mesyuarat Kajian Semula Pengurusan (MKSP)	Mar 2018 – Present
Advisory Committee, Bachelor of Environmental Sciences and Technology	Mar 2020 – Feb 2023
Advisory Committee Master of Functional Food	Sep 2019 – Jul 2022
Dean, Faculty of Agricultural and Food Sciences	Mar 2018 – Feb 2021
Committee, Occupational, Safety and Health	Mar 2018 – Aug 2019
Duta Promosi, Karnival Pendidikan Tinggi	April 2018
Faculty Coordinator, Innovation and Commercialisation	Sep 2015 – Sep 2018
Mentor, Kursus Asas Pengajaran	Feb 2018 – Sep 2017
Committee, Promotion and Innovation Commercialisation	Feb 2016 – Jan 2018
Committee, University Research Grant Assessment	Jan 2016 – Dec 2017
Deputy Dean (Research and Postgraduate Study), Faculty of Agricultural and Food Sciences	Jan 2015 – Dec 2017
Facilitator, Neuro Linguistic Programming UPM	Feb 2017
Research Fellow, Centre of Tropical Forest Ecosystem (TROPES)	Apr 2012 – Mar 2014

d. Faculty Level

Role	Period
Advisor, Al Biruni Club	Jan 2013 – Present
Committee, Putra STEM @ UPMKB	Jan 2020 – Dec 2020
Committee, Biodiversity @ UPMKB	Jan 2020 – Dec 2020
Evaluator, Research Progress Committee	Aug 2018 – Jul 2020
Committee, Knowledge Creation Exploration with EAGLE Navigator	May 2020 – Jul 2020

Chairman, Committee Quotation B, UPMKB	Mar 2018 – Apr 2020
Chairman, Academic Open Day	Mar 2019
Chairman, Committee of Occupational Safety and Health	Jan 2016 – Dec 2018
Evaluator, Cyperus Scholarship	Jun 2018
Chairman, Committee of Validation	Jan 2015 – Dec 2017
Lead, Research Cluster of Functional Food	Nov 2015 – Oct 2017
Committee, Putra Bakti @ Freeshop UPMKB	Sep 2016 – Jul 2017
Committee, CEO@Faculty Program	Sep 2016 – Oct 2016
Committee, Student Orientation Week 2016	Jul 2016 – Sep 2016
Working Member, Committee of Faculty Award	Oct 2012 – Sep 2016
Deputy Technical Manager, Accreditation System MS ISO/IES 17025:2005	Jun 2014 – May 2015
Head, Department of Animal Science and Fishery	Feb 2014 – Dec 2014
Working Member, Committee of Farm Produce	Aug 2012 – Jul 2014
Questioner Examination for promotion, Assistant Science Officer	May 2014
Advisor, Mentor Mentee Program	Sep 2012 – Aug 2013

e. Department Level

Role	Period
Assessor, Final Year Project	Sep 2020
Coordinator, Laboratory of Food and Nutritional Sciences	May 2012 – Present
Chairman, Committee of Faculty Award	Oct 2012 – Sep 2018
Assessor, Final Year Project Proposal	May 2018
Assessor, Internship Program for Bachelor of Bioindustrial Science	Apr 2018
Coordinator, Internship Program for Bachelor of Bioindustrial Science	Apr 2012 – Mar 2016

RESEARCH ACTIVITY (GRANT)

Title of Project	Sponsor	Fund (RM)	Role	Duration
Development of sago starch as functional food ingredient on gut health	Sarawak Research and Development Council	245,000	Project leader	1 Feb 2020 – 31 Jan 2023
Investigation of palm heart (umbut) from local palm species as novel prebiotics using in vitro colon model	Ministry of Higher Education – Fundamental Research Grant Scheme	128,800	Project leader	Sep 2019 – Aug 2022
Investigation of black pepper as functional food	Ministry of Higher Education – Translational Research Grant Scheme	100,000	Project leader	Jan 2018 – Dec 2021
Active biofilm reinforced with banana pseudo stem cellulose nanofiber for food packaging	UPM – Geran Putra	50,000	Co-researcher	Jun 2018 – Mei 2020
Assessment of edible bird's nest (EBN) as a potential prebiotic ingredient	UPM – Geran Putra	50,000	Project Leader	Mei 2018 – April 2020
Effect of turmeric on the colonic microbiota modulation	UPM – Geran Putra	25,000	Project Leader	Mei 2018 – April 2020
Evaluation of black pepper as a prebiotic ingredient using <i>in vitro</i> colon model	UPM – Geran Putra	20,000	Project leader	Jun 2017 – Jun 2019
Development of high beta-glucan rice grain as cholesterol-lowering agent by transgene expression of barley cellulose synthase-like F6 (HvCslF6) gene with endosperm specific promoter	Ministry of Higher Education – Fundamental Research Grant Scheme	121,400	Co-researcher	Nov 2015 – Oct 2018
Evaluation of seaweed as a potential prebiotic ingredient using human faecal fermentation model	UPM – Geran Putra	20,000	Project leader	Mar 2016 – Feb 2018
Production of bioactive peptides from red tilapia fish waste	Universiti Kuala Lumpur – Short Term Grant	20,000	Co-researcher	Aug 2015 – Jan 2018
Stability of turmeric polyphenols during simulated gastrointestinal digestion and their effects on the colonic microbiota modulation	Ministry of Higher Education – Fundamental Research Grant Scheme	93,200	Co-researcher	Dec 2014 – Nov 2017
Determining vitamin D levels in	Ministry of Health	150,000	Co-	May 2014

food samples and effect of micronutrients on regulation of Vitamin D absorption	(via Institute for Medical Research)		researcher	– Jul 2016
Evaluation on the potential of resistant starch from sago to combat obesity development	Ministry of Higher Education – Fundamental Research grant Scheme	125,000	Project leader	Dec 2013 – May 2016
Evaluation of anti-colorectal cancer properties via the prebiotic action of sago starch	Ministry of Science, Technology and Innovation – Science Fund	206,200	Project leader	May 2013 – June 2016
Digestibility study of spray dried pineapple juices for the investigation of prebiotic potential	Malaysian Agriculture Research and Development Institute	15,000	Project leader	Jan 2015 – Dec 2015
Exploration of putative probiotic microorganisms from the gastrointestinal tract of termites	Ministry of Higher Education – Exploratory Research Grant Scheme	58,210	Project leader	Apr 2013 – Mar 2015
Metabolic profiling of phytate degradation in whole grain rice under simulated gastrointestinal colonic conditions	Ministry of Higher Education – Fundamental Research Grant Scheme	89,000	Co-researcher	Feb 2013 – Jan 2015
Investigation of sago starch as a potential prebiotic	UPM – Research University Grant Scheme	70,000	Project leader	Nov 2012 – Oct 2014
Investigation of dextran as a potential prebiotic	Tate and Lyle Plc. (via University of Reading)	Undisclosed	PhD. candidate	Apr 2008 – Sep 2011
Production of cyclodextrin from sago starch	Ministry of Science, Technology and Innovation – (via CRAUN Research Sdn. Bhd.)	200,000	MSc. candidate	Apr 2003 – Mar 2006

MAIN RESEARCH SUPERVISION

Name of Student	Title of Research Project	Level	Enrolment	Status
Mohd Alhafiizh bin Zailani	Modified Sago Starch as Functional Food Product Ingredient	Ph.D.	Sep 2019	Ongoing
Kathleen Michelle Mikal	Evaluation of anti-colorectal cancer properties via the prebiotic action of	Ph.D.	Sep 2014	Ongoing

sago					
Hanif Rawi	Investigation of gum Arabic as a potential prebiotic	Ph.D.	Sep 2015	Completed in 2020	
Sharifa Sadia Mahmud	Metabolic syndrome components, dietary habits, prebiotics and probiotics food consumption habits among university students	Master	Sep 2019	Ongoing	
Mohammad Sobri Merais	Active biofilm reinforced with banana pseudostem cellulose nanofiber for food packaging film	Master	Sep 2019	Ongoing	
Morven Mundi	Faecal water from prebiotic fermentation to increase tight junction integrity	Master	Sep 2014	Ongoing	
Chai Lee Ling	Prebiotic assessment of palm heart	Master	Sep 2017	Completed in 2021	
Nur Bazilah Burhan	Stability of turmeric polyphenols during simulated gastrointestinal digestion and their effects on the colonic microbiota modulation	Master	Feb 2017	Completed in 2021	
Tan Hui Yan	Prebiotics properties of glycopeptides from hydrolysed bird nest	Master	Feb 2016	Completed in 2020	
Maisarah Nashri	Investigation of Sarawak pepper as a potential prebiotic	Master	Sep 2015	Completed in 2019	
Mayrilyn Solo Thompson	Investigation of resistant starch as an anti-obesity ingredient via <i>in vivo</i> experimentation	Master	Sep 2014	Completed in 2018	
Nurul Nadiah Osman	Determination of Vitamin D in local food	Master	Sep 2014	Completed in 2018	
Dayang Marsyitah Abang Baijuri	Investigation of seaweed as a potential prebiotic	Master	Feb 2015	Completed in 2017	
Siti Aisyah Mohd. Zaman	Sago as a source for resistant starch	Master	Feb 2013	Completed in 2016	
Abidin Udun	Functional food: Sarawak pepper and its antioxidants properties.	Bachelor	Sep 2020	Ongoing	
Richie Dato	Antimicrobial properties of Sarawak pepper	Bachelor	Sep 2020	Ongoing	
Giroon Ijod	Microbial co-culture fermentation effects on jicama (<i>Pachyrhizus erosus</i>) and Chinese water chestnut (<i>Eleocharis dulcis</i>)	Bachelor	Sep 2019	Completed in 2020	
Tan Zhi Sin	Study on the prebiotic effects of fruits and leaves melinjau (<i>Gnetum gnemon</i>)	Bachelor	Sep 2019	Completed in 2020	
Pang Li Fen	Screening and assessment of local tempe as probiotic source	Bachelor	Sep 2017	Completed in 2018	
Lim Pei Xing	Screening and assessment of midin (local fern) as prebiotic supplement	Bachelor	Sep 2017	Completed in 2018	

Nur Atikah Zalisa	Resistant starch profile of barrio rice	Bachelor	Sep 2016	Completed in 2018
Syazani Darham	Gut microbiota profiling in mice fed with resistant starch for evaluation of prebiotic potential	Bachelor	Sep 2016	Completed in 2017
Saipul Izzuwan Dahari	Effect of sago-based diet on fat liver content and short chain fatty acids caecum of obese rat	Bachelor	Sep 2016	Completed in 2017
Iqbal Hakim Sazali	Evaluation of microbiota composition in faecal colon model	Bachelor	Sep 2015	Completed in 2016
Faiz Asyhraf Razali	Evaluation of short chain fatty acids in faecal colon model	Bachelor	Sep 2015	Completed in 2016
Abdul Muhaimin Ahmad	Production of resistant starch type 4 from native sago as a potential prebiotic	Bachelor	Sep 2014	Completed in 2015
Diana Bakti Ismail	Initial digestion of various carbohydrate substrates for prebiotic evaluation	Bachelor	Sep 2014	Completed in 2015
Hanif Rawi	<i>In vitro</i> fermentation of resistant starch by human faecal microbiota	Bachelor	Sep 2014	Completed in 2015
Maisarah Nashri	Isolation of resistant starch portion from various flour for prebiotic evaluation	Bachelor	Sep 2014	Completed in 2015
Prasanna Rajendran	Investigation of potential probiotic microorganism from sago worm	Bachelor	Sep 2014	Completed in 2015
Tan Hui Yan	Evaluation of short chain fatty acids production from <i>in vitro</i> colon model	Bachelor	Sep 2014	Completed in 2015
Adreanna Joyce Patrick Laban	Identification of probiotic microorganisms from the gastrointestinal tract of termites	Bachelor	Sep 2013	Completed in 2015
Che Wan Nur Safraa Che Wan Sapawi	Investigation of honey oligosaccharides as prebiotics	Bachelor	Sep 2013	Completed in 2014
Nurul Huda Arshad	<i>In vitro</i> assessment of resistant starch as a prebiotic	Bachelor	Sep 2013	Completed in 2014
Siti Aminah Abu Hassan	Screening and isolation of probiotics from termites' gut	Bachelor	Sep 2012	Completed in 2013

CO-SUPERVISION

Name of Student	Title of Research Project	Level	Enrolment	Status
Muhamad Faris Othman	Mapping chemical diversity of selected Malaysian piperaceae through nmr- and ms-based metabolomics and molecular networking	Ph.D.	Sep 2018	Ongoing
Tan Lee See	Functional microbiomics and host-	Ph.D.	Sep 2015	Ongoing

	gastrointestinal tract microbe interaction in Sarawak, Malaysia			
Wong Ling Chee	Inducible endocellulase expression system for biofuel production from cereal residue	Ph.D.	Sep 2016	Ongoing
Nur Aliah Daud	Identification, digestion and assessment of functional prebiotic components from swiftlet nests	Ph.D. (UKM)	Sep 2016	Completed
Hamad Mohamad Salah Hamad Ahallil	Determining the prebiotic potential of gum arabic from <i>Acacia senegal</i> and <i>Acacia seyal</i> using lean and obese sourced microbiota	Ph.D. (UKM)	Sep 2016	Completed
Abang Mohd. Harizt Abang Abdul Khalex	Spatial prevalence of gastrointestinal parasites in buffaloes (<i>Bubalus bubalis</i>) in Limbang and Lawas, Sarawak	Master	Sep 2017	Ongoing
Erra Fazira Abd. Rahim	Evaluation of potential prebiotic properties from fruit wastes on probiotic growth	Master	Sep 2017	Ongoing
Arlene Debbie Lingoh	Probiotic characterization of LAB isolated from village chicken gastrointestinal tract	Master	Sep 2017	Ongoing
Sia Siaw Lang	Physicochemical properties of the digestive system of worker termites <i>Coptotermes curvignathus</i>	Master	Sep 2015	Completed
Ainul Asyira Saidin	Mineral content of indigenous leafy vegetables in east Malaysia	Master	Sep 2015	Completed

SUPERVISION OF RESEARCH ATTACHMENT

Name of Student	Institution	Level	Period
Siti Hajar Azhari	Universiti Putra Malaysia	Ph.D.	Mar 2019 – Jun 2019
Nur Aliah Daud	Universiti Kebangsaan Malaysia	Ph.D.	Nov 2017 – April 2018
Althea Marie Milano	University Philippines Los Banos (UPLB), Philippines	Master	Jun 2019 – Oct 2019
Carolyn Heiden	University of Natural Resources and Life Sciences (BOKU), Austria	Bachelor	Jun 2018 – Sep 2018
Thomas Franzke	University of Natural Resources and Life Sciences (BOKU), Austria	Bachelor	Jun 2018 – Sep 2018

PUBLICATION

Bibliographic Database	ID	H-index	RG Score	Total Citations
Scopus	48761838500	8	n/a	294 by 257 documents
Google Scholar	Shahrul R. Sarhini	10	n/a	471

Research Gate	Shahrul R Sarbini	10	21.84	351
ORCID ID	0000-0002-8420-3256	n/a	n/a	n/a

Note: Data as of February 25, 2021

a. SCOPUS Indexed Journal

1. Rawi MH, Sapawi CWNSC, Kamilah H, Sarbini SR. 2021. Evaluating the potential of the Malaysian Borneo Sarawak *Acacia mangium* Honey and Australian Honey as prebiotic towards mixed culture probiotics of *Bifidobacteria animalis* and *Lactobacillus acidophilus*. *International Journal on Advanced Science, Engineering and Information Technology*. In Press.*
2. Hui YT, Lim SJ, Babji AS, Rawi MH and **Sarbini SR**. 2021. Enzymatic hydrolysis: Sialylated mucin (SiaMuc) glycoprotein of edible swiftlet's nest (ESN) and its molecular weight distribution as bioactive ESN SiaMuc-glycopeptide hydrolysate. *International Journal of Biological Macromolecules*. 175: 422–431.*
3. Zaharuddin ND, Hanafi MA, Chay SY, Hussin FS, Auwal SM, Zarei M, **Sarbini SR**, Ibadullah WZW, Karim S and Saari N. 2021. Multifunctional hydrolysates from kenaf (*Hibiscus cannabinus* L.) seed protein with high antihypertensive activity in vitro and in vivo. *Journal of Food Measurement and Characterization*. 15(1): 652–663.
4. Pa'ee K, Razali N, **Sarbini SR**, Nair SNR, Len KYT and Abd-Talib N. 2021. The production of collagen type I hydrolysate derived from tilapia (*Oreochromis* sp.) skin using thermoase PC10F and its in silico analysis. *Food Biotechnology*. 35(1): 1-21.
5. Daud NA, Yusop SM, Babji AS, Lim SJ, Sarbini SR and Yan TH. 2021. Edible bird's nest: physicochemical properties, production, and application of bioactive extracts and glycopeptides. *Food Reviews International*. 37(2): 177-196.
6. Sukirman ANA, Khalex HB, Mustafa S, Sarbini SR, Hassan S, S-Hussain SS, Ahmad I, Hassan Z, Altwaim SA, Kamaludeen J. Umai dish preparation practices and food safety behaviors in Bintulu locals on Borneo Island, Malaysia. *Journal of Food Protection*. 83(10): 1764-1774.
7. Hajar-Azhari S, Rahim MHA, Wan-Mohtar WAAQI, **Sarbini SR** and Saari N. 2020. Novel fructooligosaccharide conversion from sugarcane syrup using a specialised enzymatic pH-stat bioreactor. *Process Biochemistry*. 95: 55–63.
8. Rawi MH, Zaman SA, Pa'ee KF, Sien LS, **Sarbini SR**. 2020. Prebiotics metabolism by gut-isolated probiotics. *Journal of Food Science and Technology*. 57(8): 2786–2799.*
9. Scott K, Grimaldi R, Cunningham M, **Sarbini SR**, Wijeyesekera A, Tan M, Lee J, Yau Y, Ansell J, Theis S, Yang K, Menon R, Arfsten J, Manurung S, Gourineni V and Gibson G. 2020. Developments in understanding and applying prebiotics in research and practice – an ISAPP conference paper. *Journal of Applied Microbiology*. 128 (4): 934-949.

10. Ahallil H, Maskat MY, Abdullah A and **Sarbini SR**. 2020. The effect of *Acacia senegal* as potential prebiotic on obese gut microbiota. *Food Research*. 4 (3): 814-822.
11. Lang SSA, Hung PKJ, Huat OK, Samsi IH, Sarbini SR. 2020. Digestive system of worker termite *Coptotermes curvignathus* holmgren and its chemical and cellulolytic microbial properties. *Serangga*. 25(3): 45-64.
12. Daud NA, **Sarbini SR**, Babji AS, Yusop SM and Lim SJ. 2019. Characterization of edible swiftlet's nest as a prebiotic ingredient using a simulated colon model. *Annals of Microbiology*. 69(12): 1235–1246
13. Pa'ee KF, Razali N, **Sarbini SR**, Hung Y and Yaji EL. 2019. Utilisation of fish processing co-product: In silico analysis of ACE-inhibitory peptides. *International Journal of Environment and Waste Management*. In Press.
14. Pa'ee KF, Razali N, **Sarbini SR**, Hung Y, Ramodaran SN and Yaji EL. 2019. The production of collagen Type I hydrolysate derived from Tilapia (*Oreochromis niloticus*) skin using thermoase PC10F and its *In Silico* sensory activity profiles. *International Journal of Environment and Waste Management*. In Press.
15. Ahallil H, Abdullah A, Maskat MY and **Sarbini SR**. 2019. In vitro fermentation of *Acacia senegal* by fecal microbiota from lean donors to stimulate the growth of probiotic. *Current Trends in Biotechnology and Pharmacy*. 12: 96-102.
16. Sen LL, Ismail J, Denil NA, **Sarbini SR**, Wasli W and Debbie A. 2018. Microbiological and physicochemical water quality assessments of riverwater in an industrial region of the northwest coast of Borneo. *Water*. 10 (11): 1648.
17. Bajury DMA, Nashri SM, Hung PKJ and **Sarbini SR**. 2018. Evaluation of potential prebiotics: A review. *Food Reviews International*. 34: 639-664.*
18. Arshad NS, Zaman SA, Rawi MH and **Sarbini SR**. 2018. Resistant starch evaluation and *in vitro* fermentation of lemantak (native sago starch), for prebiotic assessment. *International Food Research Journal*. 25(3): 951-957.*
19. Mundi M, Mikal KM, Ahmed OH and **Sarbini SR**. 2017. A review on the effects of prebiotics on cell toxicity and integrity. *International Journal of Food Properties*. 20: S1045-S1052.*
20. Bajury DMA, Rawi MH, Sazali IH, Abdullah A and **Sarbini SR**. 2017. Prebiotic evaluation of red seaweed (*Kappaphycus alvarezii*) using *in vitro* colon model. *International Journal of Food Sciences and Nutrition*. 68 (7): 821-828.*
21. Zaman SA and **Sarbini SR**. 2015. The potential of resistant starch as a prebiotic. *Critical Reviews in Biotechnology*. 36(3):578-584.*

22. Lee HH, Bong CFJ, Loh SP, **Sarbini SR** and Yiu PH. 2015. Impact of phytic acid on nutrient bioaccessibility and antioxidant properties of dehusked rice. *Journal of Food Science and Technology*. 12:7806-7816.
23. Chua P, Hung PKJ, Huat OK, **Sarbini SR** and Hung YP. 2015. Influence of light intensity and temperature on antioxidant activity in *Premna serratifolia* L. *Journal of Soil Science and Plant Nutrition*. 15(3):605-614.
24. **Sarbini SR**, Kolida S, Deaville ER, Gibson GR and Rastall RA. 2014. Potential of novel dextran oligosaccharides as prebiotics for obesity management through *in vitro* experimentation. *British Journal of Nutrition*. 112:1303-1314.*
25. Lee HH, Bong CFJ, Loh SP, **Sarbini SR** and Yiu PH. 2014. Genotypic, grain morphological and locality variation in rice phytate content and phytase activity. *Emirates Journal of Food and Agriculture*. 26(10):844-852.
26. **Sarbini SR**, Kolida S, Naeye T, Einerhand AW, Gibson GR and Rastall RA. 2013. The prebiotic effect of α -1,2 branched, low molecular weight dextran in the batch and continuous faecal fermentation system. *Journal of Functional Food*. 5:1938-1946.*
27. **Sarbini SR**, Kolida S, Gibson GR and Rastall RA. 2012. *In vitro* fermentation of commercial α -gluco-oligosaccharide by faecal microbiota from lean and obese human subjects. *British Journal of Nutrition*. 109(11):1980-1989.*
28. **Sarbini SR**, Kolida S, Naeye T, Einerhand A, Brison Y, Remaud-Simeon M, Monsan P, Gibson GR and Rastall RA. 2011. *In vitro* fermentation of linear and α -1,2 branched dextrans by the human faecal microbiota. *Journal of Applied and Environmental Microbiology*. 77:5307-5315.*

b. Non-SCOPUS Indexed Journal (DOAJ, Google Scholar, WorldCat, CABI etc.)

29. Lingoh AD, Leong SS and **Sarbini SR**. 2020. Detection of lactic acid bacteria (LAB) from local breed chicken gut as probiotic agent in livestock. *Pakistan Journal of Nutrition*. 19: 197-203.
30. Hassan SAA, Hung PKJ and Sarbini SR. 2019. Evaluation of bacteria isolated from the gastrointestinal tract of termites (*Coptotermes curvignathus*) as potential probiotics. *Journal of Agriculture Food and Development*. 5: 63-70.*
31. Saupi N, Saidin AA, Ya MHZ and **Sarbini SR**. 2019. Diversity, utilization and proximate composition of indigenous leafy vegetables consumed in Malaysia. *Journal of Agriculture Food and Development*. 5: 1-8.
32. Asyira SA, Noorasmah S, **Sarbini SR**, Harah ZM. 2016. Mineral content of five indigenous leafy vegetables from Bintulu market, Sarawak Malaysia. *Journal of Medicinal Herbs and Ethnomedicine*. 2: 26-35.

33. Ahmad AM, Zaman SA and **Sarbini SR**. 2016. Production of resistant starch type III from native sago starch as a potential prebiotic. *Journal of Agricultural Food and Development*. 2:1-14.*
34. **Sarbini SR** and Rastall RA. 2011. Prebiotics: Metabolism, structure and function. *Functional Food Reviews*, 3:93-106.*
35. **Sarbini SR**, Mohamed AMD and Salleh MA. 2007. Production of cyclodextrin from sago starch by CGTase enzyme from *Micrococcus luteus*. *CRAUN Sago Research Journal*, 2:123-131.*
36. **Sarbini SR**, Mohamed AMD and Salleh MA. 2007. Purification and characterization of CGTase enzyme from *Micrococcus luteus*. *CRAUN Sago Research Journal*, 2:107-122.*
37. **Sarbini SR**, Mohamed AMD and Salleh MA. 2007. Production and optimisation of CGTase enzyme from *Micrococcus luteus*. *CRAUN Sago Research Journal*, 2:95-106.*
38. **Sarbini SR**, Mohamed AMD and Salleh MA. 2007. Isolation and identification of potential CGTase enzyme producers from sago effluent. *CRAUN Sago Research Journal*, 2:84-94.*

c. Proceeding

39. Daud NA, Yusop SM, Babji AS, Joe LS and **Sarbini SR**. 2019. Prebiotic activity of glycan from edible bird's nest. Proceedings of the 39th Malaysian Society of Animal Production Annual Conference 10. 85.
40. Ahallil H, Abdullah A, Maskat MY and **Sarbini SR**. 2019. Fermentation of gum arabic by gut microbiota using *in vitro* colon model. AIP Conference Proceedings 2111 (050004): 1-15.
41. Aini-Nasuha S, Harizt K, **Sarbini SR**, Hassan S, Syed-Hussain SS, Ahmad NI, Hassan Z and Kamaludeen J. 2019. Handling practices and food safety measures about Umai delights among Bintulu locals, Borneo Sarawak. Proceeding of the International Conference on Social Sciences and Humanities 2019 (ICOSH2019). 440.
42. Zaman SA, Seruji AZRAS and **Sarbini SR**. 2016. Effect of acetylation on physicochemical properties and resistant starch content of *Metroxylon sago* starch. Proceeding of the International Conference on Food Nutrition, Chemical and Environmental Engineering. (ICFNCE2015). 5-8.*

d. Book

43. **Sarbini SR**, Hung PKJ and Haruna AO. 2019. Natural Resources and Biodiversity System Vol. 3. *Penerbit UPM*. Malaysia.*
44. Abdullah NAP, **Sarbini SR** and Haruna AO. 2017. Natural Resources and Biodiversity System Vol. 2. *Penerbit UPM*. Malaysia.

45. Abdullah NAP, **Sarbini SR** and Haruna AO. 2015. Natural Resources and Biodiversity System. *Penerbit UPM*. Malaysia.

e. Chapter in Book

46. Nashri SMM, Zaman SA, Saupi N and **Sarbini SR**. 2019. Isolation of resistant starch portion from various flour for prebiotic evaluation (In Natural Resources and Biodiversity System Vol. 3, eds. Sarbini SR, Hung PKJ and Haruna AO). *Penerbit UPM*. Malaysia. 142-149.*
47. Yusoff DB, Mikal KM and **Sarbini SR**. 2019. Initial digestion of various carbohydrate substrates for prebiotic evaluation (In Natural Resources and Biodiversity System Vol. 3, eds. Sarbini SR, Hung PKJ and Haruna AO). *Penerbit UPM*. Malaysia. 150-161.*
48. Fen PL, Sien LS and **Sarbini SR**. 2019. Assessment of tempeh as potential probiotic strain (In Natural Resources and Biodiversity System Vol. 3, eds. Sarbini SR, Hung PKJ and Haruna AO). *Penerbit UPM*. Malaysia. 162-187.*
49. Tan I, Huat OK, **Sarbini SR** and Hung PKJ. 2019. Preventable cancer exposures associated with lifestyles (In Natural Resources and Biodiversity System Vol. 3, eds. Sarbini SR, Hung PKJ and Haruna AO). *Penerbit UPM*. Malaysia. 188-205.
50. Abdullah NAP and **Sarbini SR**. 2017. Food and nutrition in a changing climate: A Malaysian Scenario (In Natural Resources and Biodiversity System Vol. 2, eds. Abdullah NAP, Sarbini SR and Haruna AO). *Penerbit UPM*. Malaysia. 125-140.
51. Saidin AA, Saupi N, **Sarbini SR** and Zakaria MH. 2017. Review on nutritional value of indigenous leafy vegetables in Sarawak (In Natural Resources and Biodiversity System Vol. 2, eds. Abdullah NAP, Sarbini SR and Haruna AO). *Penerbit UPM*. Malaysia. 104-116.
52. Rawi H, Bajury DMA, Zaman SA, **Sarbini SR**. 2017. *In vitro* fermentation of resistant starch portion from dabai by human faecal microbiota (In Natural Resources and Biodiversity System Vol. 2, eds. Abdullah NAP, Sarbini SR and Haruna AO). *Penerbit UPM*. Malaysia. 181-189.*
53. Yan TH, Zaman SA and **Sarbini SR**. 2017. Evaluation of SCFA production from in vitro fermentation of resistant starch and inulin (In Natural Resources and Biodiversity System Vol. 2, eds. Abdullah NAP, Sarbini SR and Haruna AO). *Penerbit UPM*. Malaysia. 190-205.*
54. **Sarbini SR**, Zaman SA and Hung PKJ. 2015. Resistant starch as a potential functional food (In Recent Progress in Medicinal Plants: Nutraceutical and Functional Foods, eds. Govil JN and Pathak M). *Stadium Press*. USA. 125-140.*
55. Abdullah NAP, **Sarbini SR** and Bujang JS. 2015. Natural resources and ecosystem: Role of biodiversity in Sarawak's agriculture (In Natural Resources and Biodiversity System, eds. Abdullah NAP, Sarbini SR and Haruna AO). *Penerbit UPM*. Malaysia. 1-6.

56. Zaman SA, Seruji AZRA, Hung PKJ and **Sarbini SR**. 2015. The potential of resistant starch from sago via retrogradation process (In Natural Resources and Biodiversity System, eds. Abdullah NAP, Sarbini SR and Haruna AO). *Penerbit UPM*. Malaysia. 66-74.*
57. Hassan SAA, Kipli B and **Sarbini SR**. 2015. The physiological effects of fermented feed (Bokashi®) towards broiler chicken (In Natural Resources and Biodiversity System, eds. Abdullah NAP, Sarbini SR and Haruna AO). *Penerbit UPM*. Malaysia. 75-85.*

f. Other Article

58. Lee HH, Loh SP, Bong, Fah JBC, **Sarbini SR** and Hung YP. 2015. Impact of phytic acid on nutrient bioaccessibility and antioxidant properties of dehusked rice (In Nutrition research in Malaysia Vol. 3., eds. Technical Working Group on Nutrition Research National Coordinating Committee on Food and Nutrition). *Ministry of Health*. Malaysia. 147.
59. Bajury DM, Rawi MH, Sazali iH, Abdullah A and **Sarbini SR**. 2019. Prebiotic evaluation of red seaweed (*Kappaphycus alvarezii*) using in vitro colon model (In Nutrition research in Malaysia Vol. 3., eds. Technical Working Group on Nutrition Research National Coordinating Committee on Food and Nutrition). *Ministry of Health*. Malaysia. 342.*
60. **Sarbini SR**. 2018. Makanan berfungsi, apakah fungsinya (In Utusan Borneo on August 9, 2018). *Harian Borneo Post*. Malaysia. A1.*

* Role as main author (first author / corresponding author / senior author)

PATENT

Name	Patent no.	Granter	Date granted	Owner
Modification of starch (resistant starch from sago)	PI2018001957	Intellectual Property Corporation of Malaysia (MyIPO)	15 November 2018	a. UPM (70 %) <ul style="list-style-type: none"> • Prof. Madya Dr. Shahrul Razid Sarbini • Ms. Siti Aisyah Zaman b. CRAUN Research Sdn. Bhd. (30 %) <ul style="list-style-type: none"> • Mr. Awang Zulfikar Rizal Awang Seruji

PRESENTED WORK

a. Invited / Keynote Lecture

1. **Sarbini SR**. Potential anti-Obesity prebiotic from sago starch
Presented as invited lecture at Virtual Summit on Prebiotics and Probiotics: Current Trends and Future Scopes, on 8 February 2021

2. **Sarbini SR.** The assessment and validation of food as a prebiotic ingredient
Presented as invited lecture at Virtual Summit on Pre And Probiotics: A Shift from Pharmaceuticals to Nutraceuticals, on 9 November 2020.
3. **Sarbini SR.** Prebiotic plants: An Asian perspective
Presented as invited lecture at 4th Probiotic Congress, on 6 and 7 March 2019 at Taipei, Taiwan.
4. **Sarbini SR.** Indigenous crop as functional food: A prebiotic candidate
Presented as keynote lecture at International Scientific Conference on Indigenous Crop (ISCIC2018), on 16 and 17 October 2018 at Kuching, Malaysia.
5. **Sarbini SR.** Indigenous plants as prebiotic source in Asia.
Presented as keynote lecture at International Scientific Association of Probiotic and Prebiotic (ISAPP2018), on 5 and 6 June 2018 at Singapore.
6. **Sarbini SR.** The human dimension of aquaculture production: Aquaculture for poverty reduction and food security.
Presented as invited lecture at the Global Challenges University Alliance Workshop: Aquaculture – providing food for the future, on 22 to 24 October 2014 at Uppsala, Sweden.

b. Oral Presentation

7. Thompson MS, Rashed A, Shamsudin SM, **Sarbini SR.** 2019. Prebiotic evaluation of sago starch using fat-induced rats.
Presented at the 2nd International Food Research Conference 2019, on 27 to 29 August 2019 at Putrajaya, Malaysia.
8. Burhan NB, Ling HA and **Sarbini SR.** 2018. Polyphenols as potential prebiotic.
Presented at the International Conference of Green Agro-Industry and Biotechnology 2018, on 18 to 20 September 2018 at Malang, Indonesia.
9. Thompson MS, Rashed A, Shamsudin MS and **Sarbini SR.** 2018. Sago starch as prebiotic with anti-obesity function via in-vivo experimentation
Presented at the International Conference of Beneficial Microbes 2018 (ICOBM2018), on 30 July to 1 August 2018 at Kuching, Malaysia.
10. **Sarbini SR.** 2018. Potential prebiotic source from plants in Asia.
Presented at the International Conference of Beneficial Microbes 2018 (ICOBM2018), on 30 July to 1 August 2018 at Kuching, Malaysia.
11. Tan HY, Babji AS and **Sarbini SR.** 2018. In vitro appraisal of human faecal microbiota using edible birds' nest as potential prebiotic source
Presented at the International Conference of Beneficial Microbes 2018 (ICOBM2018), on 30 July to 1 August 2018 at Kuching, Malaysia.

12. Burhan NB, Mikal KM, **Sarbini SR** and Ling HA. 2018. Evaluation of turmeric as potential prebiotic through microbial assessment.
Presented at the International Conference of Beneficial Microbes 2018 (ICOBM2018), on 30 July to 1 August 2018 at Kuching, Malaysia.
13. Debbie A, Sien LS, **Sarbini SR** and Mikal KM. 2018. Isolation of lactic acid bacteria (LAB) from village chicken gastrointestinal digestive tract.
Presented at the International Conference of Beneficial Microbes 2018 (ICOBM2018), on 30 July to 1 August 2018 at Kuching, Malaysia.
14. Bajury DM, Sazali IH and **Sarbini SR**. 2017. Prebiotic evaluation of red seaweed (*Kappaphycus alvarezii*) using in vitro colon model.
Presented at the International Conference on Food Science and Nutrition (ICFSN2017), on 25 to 26 October 2017 at Kota Kinabalu, Malaysia.
15. Mundi M, Mikal KM and **Sarbini SR**. 2017. Reduction of fecal water cytotoxicity via sago fermentation.
Presented at the International Conference on Food Science and Nutrition (ICFSN2017), on 25 to 26 October 2017 at Kota Kinabalu, Malaysia.
16. Mundi M, Raziss AFA and **Sarbini SR**. 2017. Cytotoxic bioassay of *in vitro* fecal fermentation product of *Canarium odontophyllum*, towards colorectal adenocarcinoma cell as prebiotic evaluation.
Presented at the International Food Research Conference (IFRC2017), on 25 to 27 July 2017 at Serdang, Malaysia.
17. Mikal KM, **Sarbini SR**, Bajury DMA, Rawi MH, Sazali IH and Hung PKJ. 2017. The effects of sago starch towards human gut microbiota.
Presented at the 3rd ASEAN Sago Symposium (3rd ASAS), on 25 to 26 October 2016 at Kota Samarahan, Malaysia.
18. Hassan SAA, Hung PKJ and **Sarbini SR**. Screening of putative probiotic microorganisms from gastrointestinal tract of termites.
Presented at the Malaysian Society for Microbiology Postgraduate Seminar (MSMPS2016), on 24 August 2016 at Bangi, Malaysia.
19. Bajury DMA, Sazali IH and **Sarbini SR**. Evaluation of red seaweeds as a potential prebiotic using an *in vitro* colon model.
Presented at the Malaysian Society for Microbiology Postgraduate Seminar (MSMPS2016), on 24 August 2016 at Bangi, Malaysia.
20. Bajury DMA, Abdullah A and **Sarbini SR**. 2016. Prebiotic evaluation of red seaweed using *in vitro* colon model.
Presented at the International Conferences of Beneficial Microbes 2016 (ICOBM2016), on 31 May to 2 June 2016 at Phuket, Thailand.

21. Osman NN, Gunasegavan RDN, Dasuki I, **Sarbini SR** and Rashed AA. Determination of Vitamin D in *Pleurotus ostreatus* (Oyster mushroom) by using recycling preparative high-performance liquid chromatography.
Presented at the International Conference on Natural Products (ICNP2016), on 15 to 17 March 2016 at Kuala Terengganu, Malaysia.
22. Osman NN, Gunasegavan RDN, Dasuki I, **Sarbini SR** and Rashed AA. Development of method for measurement of Vitamin D using HPLC.
Presented at the 6th International Symposium on Wellness, Healthy Lifestyle and Nutrition 2015, on 25 to 27 November 2015 at Kota Bharu, Malaysia.
23. Zaman SA, Seruji AZRA and **Sarbini SR**. Effect of acetylation on physicochemical properties and resistant starch content of *Metroxylon sagu* starch.
Presented at the 2015 International Conference on Food Nutrition, Chemical and Environmental Engineering, on 25 to 26 August 2015 at Kuala Lumpur, Malaysia.
24. **Sarbini SR**, Kolida S, Naeye T, Einerhand A, Brison Y, Remaud-Simeon M, Monsan P, Gibson GR and Rastall RA. Preliminary evaluation of dextran oligosaccharides as prebiotics.
Presented at the 9th International Scientific Association for Probiotics and Prebiotics (ISAPP) Meeting, on 23 to 25 October 2011 at Berkeley, California, US.
25. Kolida S, **Sarbini SR**, Einerhand A and Rastall RA. *In vitro* fermentation profiles of obese faecal microbiota.
Presented at the 33rd International Society of Microbial Ecology and Diseases (SOMED) Congress, on 6 to 10 September 2010 at Athens, Greece.

c. Poster Presentation

26. Erra Fazira AR, Sien LS, **Sarbini SR**, Latif K and Malahubban M. 2020. The nutritional and minerals profiling of banana (*Musa acuminata*), orange (*Citrus reticulata*) and watermelon (*Citrullus lanatus*) waste powder.
Presented at the 8th International Joint Symposium on Applied Engineering and Sciences (SAES 2020), on 12 to 19 December 2020, virtually.
27. Aini-Nasuha S, Harizt K, **Sarbini SR**, Hassan S, Syed-Hussain SS, Ahmad NI, Hassan Z and Kamaludeen J. 2019. Umai delights: Food preparations practices and food safety knowledge in Bintulu locals, Borneo, Sarawak.
Presented at the International Conference on Social Sciences and Humanities 2019 (ICOSSH2019), on 8 to 9 October 2019 at Bintulu, Sarawak.
28. Zaman SA, Seruji AZRAS and **Sarbini SR**. Sago prebiotic.
Presented at the International Conference and Exposition on Inventions by Institute of Higher Learning 2019 (Pecipta2019), on 22 to 23 September 2019 at Batu Pahat, Johor, Malaysia.
29. Sien LS, **Sarbini SR**, Hung PKJ, Debbie A, Rahim EFA, Wasli W and Subari NH. 2019. Characterization of lactic acid bacteria from chicken gut samples for commercialization.

- Presented at the Innovation Technology Expo 2019 (InTEX2019), on 24 to 25 July 2019 at Kota Samarahan, Malaysia.*
30. Burhan NB, Mikal KM, **Sarbini SR** and Ling HA. 2018. A preliminary study of turmeric as potential prebiotic on gut microflora.
Presented at the International Scientific Conference 2018 (ISCIC2018), on 16 and 17 October 2018 at Kuching, Malaysia
 31. Nashri SM and **Sarbini SR**. 2018. Evaluation of *Piper nigrum* L. as prebiotic using in vitro colon model.
Presented at the International Scientific Conference 2018 (ISCIC2018), on 16 and 17 October 2018 at Kuching, Malaysia.
 32. Mikal KM, Thompson MS, Rawi MH, and **Sarbini SR**. 2018. Assessment of sago starch as potential prebiotic via in vitro colon model.
Presented at the International Conference of Beneficial Microbes 2018 (ICOBM2018), on 30 July to 1 August 2018 at Kuching, Malaysia.
 33. Rawi MH, Abdullah A and **Sarbini SR**. 2018. Tayebat (acacia gum) promotes bifidobacterial as likely as inulin in prebiotic colon model study.
Presented at the International Conference of Beneficial Microbes 2018 (ICOBM2018), on 30 July to 1 August 2018 at Kuching, Malaysia.
 34. **Sarbini SR**, NB Saari and Ling CL. 2018. Evaluation of selected local palm hearts as novel prebiotics towards growth of beneficial microbiota using colon model experiment.
Presented at the International Conference of Beneficial Microbes 2018 (ICOBM2018), on 30 July to 1 August 2018 at Kuching, Malaysia.
 35. Thompson MS, Dahari SI and **Sarbini SR**. 2017. Investigation of sago starch as prebiotic with anti-obesity function using animal model.
Presented at the International Conference of the International Society of Nutraceuticals and Functional Food (ISNFF2017), on 22 to 25 October 2017 at Gunsan, South Korea
 36. Bajury DM, Sazali IH and **Sarbini SR**. 2017. Sago as potential prebiotic and weight management alternatives as shown in Sprague Dawley rats experimentation
Presented at the International Conference on Food Science and Nutrition (ICFSN2017), on 25 to 26 October 2017 at Kota Kinabalu, Malaysia.
 37. Ahallil H, **Sarbini SR** and Abdullah A. 2017. Extracted Water Soluble Polysaccharide from Gum Arabic as Potential Prebiotic.
Presented at the International Food Research Conference (IFRC2017), on 25 to 27 July 2017 at Serdang, Malaysia.
 38. **SR Sarbini**, Zaman SA, Seruji AZRAS and Rashed AA. 2016. Sago starch as a potential prebiotic.
Presented at the Innovation Technology Expo 2016 (INTEX2016), on 23 to 24 May 2016 at Kota Samarahan, Malaysia.

39. Hassan SAA, Laban AJP, Mikal KM, King PJH and **Sarbini SR**. Isolation of bacteria from the gastrointestinal tract of termites as a potential probiotic.
Presented at the International Conference on Beneficial Microbes (ICOBM2017), on 27 to 29 May 2014 at Penang, Malaysia.
40. Laban AJP, Mikal KM, Kheng HP, Lang SS, King PJH and **Sarbini SR**. Identification of probiotic microorganism in the gastrointestinal tract of termites.
Presented at the BioBorneo Conference and Exhibition, on 5 to 7 May 2014 at Kuching, Malaysia.
41. Zaman SAM, Arshad NH, Seruji AZRA and **Sarbini SR**. Determination of resistant starch content of locally sourced flour.
Presented at the BioBorneo Conference and Exhibition, on 5 to 7 May 2014 at Kuching, Malaysia.
42. Hassan SAA, King PJH and **Sarbini SR**. Screening of probiotic microorganisms from the gastrointestinal tract of termites.
Presented at the 2nd International Symposium on Tropical Forest Ecosystem Science and Management; Challenges and Solutions, on 11 to 13 September 2013 at Bintulu, Malaysia.
43. Hii MHL, King PJH, Ong KH, Bong CHJ, Mahadi NM, Murad AAM, Rabu A, Bakar FDA, Jahim JM, Said M, Ilias MR, Hassan O and **Sarbini SR**. Isolation and characterization of endoglucanase microbes residing in the termite *Coptotermes curvignathus* gut.
Presented at the International Conference on Biomass for Biofuels and Value-added Products, on 23 to 24 October 2012 at Kuala Lumpur, Malaysia.
44. Kolida S, **Sarbini SR**, Einerhand A and Rastall RA. *In vitro* fermentation profiles of lean faecal microbiota.
Presented at the Society of General Microbiology (SGM) Spring Conference, on 29 March to 1 April 2010 at Edinburgh, UK.
45. Onumpai C, **Sarbini SR**, Kolida S and Rastall RA. Microscale faecal fermentation system for the evaluation of the prebiotic potential of pectin fractions.
Presented at the 15th European Carbohydrate Symposium (EuroCarb), on 19 to 24 July 2009 at Vienna, Austria.

PROFESSIONAL AND PUBLIC SERVICE

a. Professional Reviewer, Editor and Judge

Role	Publication / Grant / Event	Institute / Publisher	Date
Journal Reviewer	International Journal of Biological Macromolecules	Elsevier	Feb 2020
Journal Reviewer	Journal of Apicultural Research	Taylor and Francis	Feb 2021
Journal	Microorganisms	MDPI	Feb

Reviewer			2021
Journal Reviewer	Food Research	Rynnye Lyan Resources	Feb 2021
Journal Reviewer	Computational and Structural Biotechnology Journal	Elsevier	Feb 2021
Grant Reviewer	Fundamental Research Grant Scheme (Universiti Pendidikan Sultan Idris)	Ministry of Education Malaysia	Feb 2021
Journal Reviewer	World Journal of Surgical Oncology	BioMed Central	Feb 2021
Assessor	Promotion for Associate Professor (DS54) – Dr. Lim Seng Joe	UKM	Jan 2021
Editor	3Biotech	Springer Nature	Jan 2021
Journal Reviewer	International Journal of Molecular Sciences	MDPI	Jan 2021
Journal Reviewer	International Journal of Biological Macromolecules	Elsevier	Jan 2021
Reviewer Board	Microorganisms	MDPI	Jan 2021
Journal Reviewer	Journal of Apicultural Research	Taylor and Francis	Nov 2020
Journal Reviewer	International Journal of Biological Macromolecules	Elsevier	Dec 2020
Journal Reviewer	International Journal of Biological Macromolecules	Elsevier	Dec 2020
Journal Reviewer	International Journal of Biological Macromolecules	Elsevier	Dec 2020
Journal Reviewer	International Journal of Biological Macromolecules	Elsevier	Dec 2020
Journal Reviewer	Pathogens	MDPI	Dec 2020
Journal Reviewer	Journal of Apicultural Research	Taylor and Francis	Nov 2020
Editorial Board Member	International Journal of Food Science and Biotechnology	Science Publishing Group	Oct 2020
Journal Reviewer	International Journal of Molecular Sciences	MDPI	Oct 2020
Journal Reviewer	Journal of Functional Food	Elsevier	Oct 2020
Judge	Exco Kecemerlangan Rekaipta (EXCOIPTA2020)	Universiti Malaysia Sabah	Oct 2020
Grant Reviewer	Sarawak Research and Development Council (SRDC) Grant (UPM Level)	UPM / SRDC	Oct 2020
Journal Reviewer	International Journal of Biological Macromolecules	Elsevier	Oct 2020

Journal Reviewer	Heliyon	Elsevier	Oct 2020
Journal Reviewer	Microorganisms	MDPI	Sep 2020
Journal Reviewer	Computational and Structural Biotechnology Journal	Elsevier	Sep 2020
Journal Reviewer	Heliyon	Elsevier	Sep 2020
Journal Reviewer	International Journal of Biological Macromolecules	Elsevier	Sep 2020
Journal Reviewer	International Journal of Molecular Sciences	MDPI	Aug 2020
Journal Reviewer	Anti-Cancer Agents in Medicinal Chemistry	Bentham Science	Aug 2020
Journal Reviewer	Microorganisms	MDPI	Jul 2020
Journal Reviewer	International Food Research Journal	UPM Press	Jul 2020
Journal Reviewer	Journal of Agriculture Food and Development	Revotech Press	Jul 2020
Journal Reviewer	International Journal of Biological Macromolecules	Elsevier	Jul 2020
Journal Reviewer	Microorganisms	MDPI	Jun 2020
Journal Reviewer	Journal of Functional Food	Elsevier	Jun 2020
Journal Reviewer	Journal of Agriculture Food and Development	Revotech Press	Jun 2020
Journal Reviewer	Journal of Functional Food	Elsevier	Jun 2020
Journal Reviewer	Food Research	Rynnye Lyan Resources	May 2020
Journal Reviewer	Malaysian Journal of Microbiology	USM Press	May 2020
Journal Reviewer	Vaccines	MDPI	May 2020
Journal Reviewer	International Journal of Biological Macromolecules	Elsevier	Apr 2020
Journal Reviewer	Microorganisms	MDPI	Apr 2020
Journal Reviewer	Biodiversitas Journal of Biological Diversity	Society for Indonesian Biodiversity	Apr 2020
Journal Reviewer	Current Traditional Medicine	Bentham Science	Mar 2020
Journal Reviewer	Journal of Sustainability Science and Management	UMT Press	Mar 2020

Journal Reviewer	Food Research International	Elsevier	Mar 2020
Grant Reviewer	Fundamental Research Grant Scheme (Swinburne University)	Ministry of Education Malaysia	Feb 2020
Journal Reviewer	Antibiotics	MDPI	Jan 2020
Journal Reviewer	Medical Sciences	MDPI	Jan 2020
Journal Reviewer	Chemical and Biological Technologies in Agriculture	Springer	Jan 2020
Journal Reviewer	International Journal of Biological Macromolecules	Elsevier	Jan 2020
Journal Reviewer	International Journal of Biological Macromolecules	Elsevier	Jan 2020
Journal Reviewer	Journal of Functional Foods	Elsevier	Jan 2020
Journal Reviewer	Food Research International	Elsevier	Dec 2019
Journal Reviewer	Nutrients	MDPI	Dec 2019
Journal Reviewer	Food and Nutrition Research	Swedish Nutrition Foundation	Nov 2019
Journal Reviewer	International Journal of Food Science and Nutrition	Taylor and Francis	Nov 2019
Book Editor	Natural Resources and Biodiversity Vol. 3	UPM Press	Nov 2019
Judge	Pertandingan Penyelidikan dan Rekacipta (PEREKA2019)	Universiti Malaysia Sabah	Oct 2019
Journal Reviewer	Microorganisms	MDPI	Sep 2019
Journal Reviewer	Journal of Functional Foods	Elsevier	Sep 2019
Journal Reviewer	Journal of Agriculture Food and Development	Green Publishers	Aug 2019
Journal Reviewer	Microorganisms	MDPI	Aug 2019
Editor	3Biotech	Springer Nature	Jul 2019
Journal Reviewer	Medicina	MDPI	Jul 2019
Journal Reviewer	International Journal of Biological Macromolecules	Elsevier	Jul 2019
Journal Reviewer	Current Molecular Medicine	Bentham Science	Jun 2019
Journal Reviewer	Current Nutrition and Food Science	Bentham Science	May 2019

Journal Reviewer	Microorganisms	MDPI	May 2019
Journal Reviewer	Current Nutrition and Food Science	Bentham Science	May 2019
Editor	The Protein Journal	Springer	May 2019
Journal Reviewer	Malaysia Journal of Microbiology	USM Press	Apr 2019
Journal Reviewer	Current Traditional Medicine	Bentham Science	Apr 2019
Journal Reviewer	International Journal of Molecular Sciences	MDPI	Apr 2019
Journal Reviewer	Malaysia Journal of Microbiology	USM Press	Mar 2019
Journal Reviewer	Journal of Functional Foods	Elsevier	Mar 2019
Journal Reviewer	International Journal of Molecular Sciences	MDPI	Mar 2019
Journal Reviewer	Current Nutrition and Food Science	Bentham Science	Mar 2019
Journal Reviewer	Malaysia Journal of Microbiology	USM Press	Mar 2019
Journal Reviewer	Malaysia Journal of Microbiology	USM Press	Mar 2019
Journal Reviewer	Frontiers	Frontiers	Jan 2019
Grant Reviewer	MyGrants	Ministry of Education Malaysia	Feb 2019
Grant Reviewer	Fundamental Research Grant Scheme (Swinburne University)	Ministry of Education Malaysia	Feb 2019
Journal Reviewer	Food Research International	Elsevier	Feb 2019
Journal Reviewer	Malaysia Journal of Microbiology	USM Press	Feb 2019
Journal Reviewer	International Journal of Molecular Sciences	MDPI	Feb 2019
Journal Reviewer	Current Traditional Medicine	Bentham Science	Jan 2019
Journal Reviewer	Malaysia Journal of Microbiology	USM Press	Jan 2019
Journal Reviewer	Malaysia Journal of Microbiology	USM Press	Jan 2019
Editorial Board	Journal of Agriculture Food and Development	Revotech Press	Dec 2018
Journal	International Journal of Molecular Sciences	MDPI	Dec

Reviewer			2018
Book Editor	Natural Resources and Biodiversity Vol. 3	UPM Press	Dec 2018
Journal Reviewer	Current Traditional Medicine	Bentham Science	Dec 2018
Journal Reviewer	International Food Research Journal	UPM Press	Nov 2018
Judge	Pertandingan Penyelidikan dan Rekacipta (PEREKA2019)	Universiti Malaysia Sabah	Oct 2018
Journal Reviewer	Current Traditional Medicine	Bentham Science	Oct 2018
Scientific Journal Board	Journal of Home Economics	Menoufia University	Oct 2018
Journal Reviewer	Nutrients	MDPI	Sep 2018
Journal Reviewer	Endocrine	Bentham Science	Aug 2018
Journal Reviewer	Pertanika	UPM Press	Aug 2018
Journal Reviewer	Chemosphere	Elsevier	Jul 2018
Journal Reviewer	Nutrition and Food Science International Journal	Juniper Publishers	Jul 2018
Journal Reviewer	International Journal of Molecular Sciences	MDPI	Jun 2018
Journal Reviewer	International Food Research Journal	UPM Press	May 2018
Journal Reviewer	Current Traditional Medicine	Bentham Science	May 2018
Grant Reviewer	MyGrants	Ministry of Education Malaysia	Mar 2018
Journal Reviewer	Asian Journal of Agriculture and Biology	AJAB	Jan 2018
Journal Reviewer	Food Chemistry	Elsevier	Jan 2018
Journal Reviewer	Research and Review on Healthcare	Lupine Publishers	Jan 2018
Journal Reviewer	International Journal of Molecular Sciences	MDPI	Jan 2018
Journal Reviewer	International Journal of Food Sciences and Nutrition	Taylor and Francis	Sep 2017
Journal Reviewer	Journal of Functional Foods	Elsevier	Sep 2017
Journal Reviewer	Molecular Nutrition and Food Research	Wiley VCH	Aug 2017

Journal Reviewer	Food Hydrocolloids	Elsevier	Aug 2017
Journal Reviewer	Endocrine, Metabolic and Immune Disorders	Bentham Science	Jul 2017
Journal Reviewer	International Journal of Molecular Sciences	MDPI	Jul 2017
Judge	Three Minute Thesis Competition	UPM	Mar 2017
Journal Reviewer	Journal of Food Biochemistry	Wiley-VCH	Mar 2017
Book Editor	Natural Resources and Biodiversity Vol. 2	UPM Press	Jan 2017
Journal Reviewer	Food Chemistry	Elsevier	Dec 2016
Associate Editorial Board	Diabetes and Obesity Journal	Medwin Publishers	Nov 2016
Journal Reviewer	Food Chemistry	Elsevier	Oct 2016
Journal Reviewer	Food Chemistry	Elsevier	Sep 2016
Journal Reviewer	International Food Research Journal	UPM	Aug 2016
Journal Reviewer	Food Chemistry	Elsevier	Aug 2016
Judge	Poster Competition, International Conferences of Beneficial Microbes 2016	Universiti Sains Malaysia	May 2016
Journal Reviewer	Molecular Nutrition and Food Research	Wiley-VCH	Feb 2016
Journal Reviewer	Molecular Nutrition and Food Research	Wiley-VCH	Feb 2016
Journal Reviewer	Journal of Agriculture Food and Development	Revotech Press	Nov 2015
Journal Reviewer	Molecular Nutrition and Food Research	Wiley-VCH	Sep 2015
Book Editor	Natural Resources and Biodiversity	UPM Press	Aug 2015
Editorial Member	Journal of Agriculture Food and Development	Revotech Press	Aug 2015
Chief Judge	National Science Challenge	Akademi Sains Malaysia	May 2015
Journal Reviewer	Polish Journal of Microbiology	Index Copernicus	Nov 2014
Journal Reviewer	Anaerobe Journal	Elsevier	May 2014
Journal Reviewer	Journal of Applied Microbiology and Biotechnology	Springer International	May 2014

Editor	Technical Proceedings for the 2 nd International Symposium on Tropical Forest Ecosystem Science and Management: Challenges and Solutions	TROFES, UPM	Sep 2013
Journal Reviewer	African Journal of Agricultural Research	Academic Journals	May 2013
Journal Reviewer	Journal of Applied Microbiology and Biotechnology	Springer International	Apr 2013
Journal Reviewer	International Food Research Journal	UPM	Mar 2013
Journal Reviewer	Borneo Journal of Resource Science and Technology	Universiti Malaysia Sarawak	Feb 2013

b. Chairman and Examiner of Theses

Role	Title of Project	Name of Student	University	Level	Date
Chairman	Effect of indigenous and non-indigenous arbuscular mycorrhizal fungi (AMF) on growth, soil fertility and plant nutrients uptake by terung asam (<i>Solanum lasiocarpum</i> D).	Muhammad Akmal Shahudin	UPM	Master	Feb 2021
Internal Examiner	Floristic composition, plant biomass and stand productivity along an altitudinal gradient at Payeh Maga, Long Tuyoy, Lawas, Sarawak.	Renee Sherna Laing	UPM	Master	Nov 2020
Chairman	Growth and yield responses of honeydew melon (<i>Cucumis melo</i>) in spent mushroom waste medium	Yip Ching Chuang	UPM	Master	Nov 2020
Chairman	Morphological and molecular characterization of mud lobster and determination of its antioxidant and anti-inflammatory activities	Nur Nadiah Zakaria	UPM	Master	Aug 2020
Chairman	Seed quality, physical properties of Adan rice and its germination performance following priming and storage	Henrita Samuel	UPM	Master	Jul 2020
Chairman	Ozone (O ₃) concentration and its effects on tree physiological characteristics in Bintulu, Sarawak, Malaysia	Mohd Nor Ammar Mohd Isa	UPM	Master	Jul 2020
Chairman	Isolation and characterization of plant growth-promoting	Muhamad Amirul	UPM	Master	Jun 2020

	rhizobacteria from selected vegetables and their effects on lettuce plants grown in non-circulating hydroponic system	Hamzah Muhd Umar			
Chairman	Ritual adat tepung tawar perkahwinan masyarakat melayu Sarawak di Petra Jaya, Kuching	Sarra Jesstika Bohari	UPM	Master	May 2020
Chairman	Phytochrome mediated photomorphogenesis in <i>Boesenbergia stenophylla</i> R.M. Smith and growth requirement when exposed to higher R:FR ratio and fertilization	Tracy Saptu	UPM	Master	Aug 2019
Chairman	Optimization of vegetative and in vitro propagation for giant reed (<i>Arundo donax</i>)	Tong Siaw Hoei	UPM	Master	Jun 2019
External Examiner	Development of endosperm based basal media for micropropagation of <i>Metroxylon sagu</i>	Shamsyah Hamid	Universiti Malaysia Sarawak	Master	Oct 2018
Chairman	Spatial distribution of soil nitrogen, phosphorus and potassium in black pepper cultivation in sarawak, malaysia	Izzah Abdul Hamid	UPM	Master	Apr 2018
Chairman	Effect of sucker pruning on sago palm (<i>Metroxylan sagu</i> Rottb.) growth performance	Peter Stanley Howell	UPM	Master	Nov 2017
Chairman	Improving phosphorus use efficiency and yield in <i>Zea mays</i> l. cultivation on an acid soil using chicken litter biochar.	Audrey Asap	UPM	Master	Nov 2017
Chairman	Soil fungi composition and diversity in oil palm plantation at Sungai Asap, Sarawak	Sharron Wong	UPM	Master	Dec 2016
Chairman	Water table fluctuation on carbon dioxide and methane emission from a tropical peat soil cultivated with pineapple (<i>Ananas comosus</i> (L.) merr.)	Wendy Luta	UPM	Master	Dec 2016
Chairman	Carbon dioxide, methane, and nitrous oxide production, and transportation in pineapple (<i>ananas comosus</i> (l) merr) cultivation on a drained tropical peat soil	Alicia Vanessa Jeffary	UPM	Master	Jan 2017
Internal Examiner	Molecular and micropropagation approaches for the conservation	Aicher Joseph Toyat	UPM	Master	Nov 2016

of <i>Boesenbergia stenophylla</i> R. M. SM.					
Internal Examiner	Screening and assessment of local fermented food, tempeh as prebiotic supplement	Pang Li Fen	UPM	Bachelor	Mei 2018
Internal Examiner	Screening and assessment of midin (<i>Stenoclaena palustris</i>) as potential prebiotic supplement with bifidobacteria and lactobacilli	Lim Pei Xing	UPM	Bachelor	Mei 2018
Internal Examiner	A preliminary study on evaluation of the <i>umai</i> preparation among Bintulu population	Aini Nasuha Sukirman	UPM	Bachelor	Jun 2017
Internal Examiner	Isolation and identification of microbes presence in fresh healthy subject stool	Nurul Syafiqah Atikah Mohd Khairul	UPM	Bachelor	Jun 2017
Internal Examiner	Mycorrhiza and NPK availability in UPM cocoa farm	Daylon Jalian Henry	UPM	Bachelor	Jun 2016
Internal Examiner	Identification of beneficial microbes in chemical fertilizer and palm oil mill effluent	Nabilah Huda Mohd Sahid	UPM	Bachelor	Jun 2016
Internal Examiner	Effect of different extraction method toward total beta glycan in stem, leaves and grain of rice	Hadibah Ngah Ibrahim	UPM	Bachelor	Jun 2015
Internal Examiner	Optimization <i>in vitro</i> culture conditions for mass propagations of bromeliads	Najwa Amalina Haradzi	UPM	Bachelor	Jun 2015
Internal Examiner	Field application of <i>Metarhizium anisopliae</i> for controlling <i>Coptotermes curvignathus</i> in immature oil palm	Leddon Lawason	UPM	Bachelor	Jun 2015
Internal Examiner	Allelopathic effect of <i>Leonorus sibiricus</i> extract on crop performance and its microbial activity	Syed Khairul Syahmi Syed Ahmad	UPM	Bachelor	Jun 2015
Internal Examiner	Extracts on phytopathogenic fungus <i>Fusarium oxysporum</i> and <i>Fusarium solani</i>	Nor Azah Mohd. Nor	UPM	Bachelor	May 2014
Internal Examiner	Functional characterization of probiotic fermentation in soy milk	Che Rahmah Che Sudin	UPM	Bachelor	Jun 2013

c. Advisory, Consultation and Collaborative Work

Institute	Title of Project / MoU	Date / Period
Tabung Ekonomi Gagasan Anak Bumiputera Sarawak	MoU on youth community development in Bintulu	Feb 2019 – Jan 2025
CRAUN Research Sdn. Bhd.	MoU on research collaboration in sago	April 2019 –

		Mar 2025
Universiti Kebangsaan Malaysia	Edible birds' nest (EBN) as prebiotic ingredient	Sep 2016 – Aug 2019
Universiti Kebangsaan Malaysia	Investigation of the prebiotic potential of gum Arabic	Sep 2016 – Aug 2019
Universiti Kuala Lumpur	Production of bioactive peptides from red tilapia fish waste	Aug 2015 – Jul 2017
Malaysian Agriculture Research and Development Institute	Digestibility study of spray dried pineapple juices for the investigation of prebiotic potential	Jan 2015 – Dec 2015
Institute for Medical Research	Determining vitamin D levels in food samples and effect of micronutrients on regulation of Vitamin D absorption	May 2014 – Jul 2016
Universiti Kebangsaan Malaysia	Investigation of the prebiotic potential of Malaysian seaweed	Dec 2013 – May 2016
Institute for Medical Research	Evaluation on the potential of resistant starch from sago to combat obesity development	Dec 2013 – Nov 2014
CRAUN Research Sdn. Bhd.	Production of resistant starch from sago	Apr 2013 – Sep 2013

d. Public and Community Service

Role	Activity	Organiser	Date / Period
Invited Speaker	Putra Sarjana @ UPMKB: Preparing for your viva voce	UPMKB	Jul 2020
Invited Speaker	Motivational Talk UPSR	Goebilt Primary School, Kuching, Sarawak	Aug 2019
Coordinator	Youth Leadership and Entrepreneurship 2019 (YLE2019)	Tabung Ekonomi Gagasan Anak Bumiputera Sarawak	Jan 2019
Panel	Program Masa Depan Anda di Mana?	UPMKB	Nov 2018
Invited Speaker	Agroprenuership Incubation Program	UPMKB	Nov 2018
Invited Speaker	Orientation Week	UPMKB	Aug 2018 Jun 2018
Judge	Chief Minister Debate Competition	Radio Televisyen Malaysia	Aug 2018
Invited Speaker	Putra Success	UPM	Jul 2018
Judge	Rotary Malcolm William English Proficiency Contest	Rotary Club Bintulu	July 2018, Aug 2017, Aug 2016, Jul 2015, Apr 2014, Sep 2013 & Jul 2012
Assessor	Putra Excellence	UPM	Oct 2017
Invited Speaker	Finishing School	Co-curriculum and Student Development	Jun 2017, Dec 2016, Oct 2016, Mar 2016, Sep

		Centre, UPM	2014, Dec 2013, Mar 2013 & Feb 2013
Invited Speaker	Motivational Talk UPSR	SK Convent, Muar, Johor	Apr 2017
Invited Speaker	Motivational Talk at SMK Sebauh	Department of Basic Science and Engineering, UPMKB	Apr 2017
Invited Speaker	Personality Talk	SMK Tinjar, Baram	Apr 2017
Judge	Fun Cat Show @ Putra Bakti	Student Affairs Office, UPMKB	Feb 2017
Coordinator	Training and Industrial Awareness (TRIA)	Tabung Ekonomi Gagasan Anak Bumiputera Sarawak	Oct 2016
Invited Speaker	Management and Safety of Science Lab	Administration Office, UPMKB	Aug 2016
Coordinator	Community Engagement TaHa @ U	Tabung Haji Malaysia	May 2016
Invited Speaker	Starting School	Co-curriculum and Student Development Centre, UPM	Oct 2015 Jul 2015, Jul 2014, Sep 2013, Sep 2012 & Jun 2012
Chief Facilitator	Department of Social Science Roadshow	SK Ulu Lubai, Limbang	May 2015
Chief Judge	National Science Challenge	Akademi Sains Malaysia	May 2015
Judge	Park City Mall Brand Ambassador Competition	Park City Mall, Bintulu	Dec 2014
Facilitator	How to Publish in High Impact Journals?	Research and Postgraduate Study Office, UPMKB	Jun 2014
Judge	Asian Bintulu Fertilizer Annual Dinner	Asian Bintulu Fertilizer	Oct 2013
Invited Speaker	IM4U Heart to Heart	Majlis Tertinggi Mahasiswa, UPMKB	Mar 2013
Chief Facilitator	The International English Language in Camp	SK Ulu Lubai, Limbang	Oct 2012
Facilitator	How to use EndNote?	Research and Postgraduate Study Office, UPMKB	Apr 2012

PROFESSIONAL AFFILIATIONS

Association	Country	Role	Period
Malaysian Society for Microbiology	Malaysia	Member	Oct 2019 - Present
International Society for Nutraceuticals and Functional Foods	Canada	Member	Jan 2016 – Present

Asia-Pacific Chemical, Biological & Environmental Engineering Society	Hong Kong	Professional member	Jan 2013 – Present
Academic Officer Society of Universiti Putra Malaysia	Malaysia	Member	Jan 2012 – Present
International Scientific Association of Probiotics and Prebiotics (ISAPP)	United Kingdom	Member	Jan 2009 – Present

HONOURS AND AWARDS

Award	Authority / Program	Date / Period
Silver Award	International Putra InnoCreative Carnival in Teaching and Learning 2020 (PiCTL2020)	Oct 2020
Excellent Service Certificate 2019	UPM	May 2020
Malaysian Finalist	Intellectual Property, Innovation and Entrepreneurship Competition 2019	Oct 2019
Best Poster Award	International Conference on Social Sciences and Humanities 2019 (ICOSH2019)	Oct 2019
Gold Award Research	International Conference and Exposition on Inventions by Institute of Higher Learning 2019 (Pecipta2019)	Sept 2019
Bronze Award Research	Innovation Technology Expo 2019 (InTEX2019)	Jul 2019
Reviewer Certificate	MDPI Publisher	May 2019
Excellent Service Certificate 2018	UPM	May 2019
3 rd Place Best Research Poster	International Conference of Beneficial Microbes 2018 (ICOBM2018)	Jul 2018
Excellent Service Certificate 2017	UPM	May 2018
Travel Award to BOKU Vienna, Austria	UPM	Nov 2017
Best Research Poster	International Society of Nutraceutical and Functional Food, South Korea	Oct 2017
Top Publication Journal Award 2016	UPM	Oct 2017
2 nd Runner Up Young Scientist Award	International Conference of Beneficial Microbes, Universiti Sains Malaysia	May 2017
Excellent Service Certificate Year 2016	UPM	May 2017
Excellent Service Certificate Year 2015	UPM	May 2016
Excellent Service Certificate Year 2014	UPM	May 2015
Excellent Service Award Year 2013	UPM	May 2014
PhD. Scholarship Award	Yayasan Biasiswa Tunku Abdul Rahman	Apr 2008 –

		Mar 2012
Excellent Service Award Year 2009	UPM	May 2010
Travel Award to attend International Conference in Edinburgh, UK	International Scientific Association of Probiotic and Prebiotic (ISAPP), UK	Apr 2010
Master Scholarship Award	Yayasan Biasiswa Tunku Abdul Rahman	Nov 2004 – Oct 2006
Bachelor Scholarship Award	Sarawak Government	Jul 2000 – Jun 2003

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