

## CURRICULUM VITAE



<b>A. BUTIR-BUTIR PERIBADI (<i>Personal Details</i>)</b>			
Nama Penuh ( <i>Full Name</i> )	SITI SALWA ABD GANI		Gelaran ( <i>Title</i> ): <i>PROF MADYA DR</i>
No. MyKad / No. Pasport ( <i>Mykad No. / Passport No.</i> )	Warganegara ( <i>Citizenship</i> ) <i>MALAYSIA</i>	Bangsa ( <i>Race</i> ) <i>MALAY</i>	Jantina ( <i>Gender</i> ) <i>FEMALE</i>
Jawatan ( <i>Designation</i> )	ASSOCIATE PROFESSOR	Tarikh Lahir ( <i>Date of Birth</i> )	

Alamat Semasa ( <i>Current Address</i> )	Jabatan/Fakulti ( <i>Department/Faculty</i> )	E-mel dan URL ( <i>E-mail Address and URL</i> )
NO 53, JALAN IMPIANA2, IMPIANA RESIDENCE, 71800 PUTRA NILAI, NEGERI SEMBILAN  Tel:019-6410977	JABATAN TEKNOLOGI PERTANIAN, FAKULTI PERTANIAN, UNIVERSITI PUTRA MALAYSIA, 43400 UPM SERDANG, SELANGOR  Tel: 03-89474945, 03-89468557 Fax: 03-89381015	E-mail: ssalwaag@upm.edu.my, ssalwa.abdgani@gmail.com  URL:

<b>B. KELAYAKAN AKADEMIK (<i>Academic Qualification</i>)</b>			
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> )
Bachelor of Science with Education (Hons.)- Chemistry	Faculty of Science, Universiti Putra Malaysia	2003-2007	Chemistry
Doctor of Philosophy	Faculty of Science, Universiti Putra	2007-2010	(Oleochemistry) Title: Formation and

	Malaysia		Characteristics of Engkabang-based Nano Cosmeceuticals
Postdoctoral Fellow	UCL School of Pharmacy, London, United Kingdom	2012	(Formulation Science) Title: Effect of Octyl Salicylate with Respect to the Physical Appearance of Mono/Di Capric and Caprylic Fatty Acids Formulations

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

<b>D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN</b> ( <i>Scientific experience and Specialisation</i> )				
<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>
Department of Agriculture Technology, Faculty of Agriculture	Lecturer / researcher	1 <sup>st</sup> June 2017	Present	Agriculture Product Development, Formulation Science, Chemistry
Halal Products Research Institute	Associate researcher	2011	Present	Halal Product Development
Institut Kimia Malaysia	Member	2016	Present	Oleochemistry, Agriculture Product Development

<b>E. PEKERJAAN (<i>Employment</i>)</b>				
<i>Majikan / Employer</i>	<i>Jawatan / Designation</i>	<i>Jabatan / Department</i>	<i>Tarikh lantikan / Start Date</i>	<i>Tarikh tamat / Date Ended</i>
UPM	Senior lecturer	Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	1 october 2010	31 May 2017
UPM	Associate professor	Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	1 June 2016	31 Mei 2017
UPM	Associate professor	Department of Agriculture Technology, Faculty of Agriculture, Universiti Putra Malaysia	1 June 2017	present

<b>F. ANUGERAH DAN HADIAH (<i>Honours and Awards</i>)</b>				
<i>Name of awards</i>	<i>Title</i>	<i>Award Authority</i>	<i>Award Type</i>	<i>Year</i>
Academic Award (Gold Medal)	Lipase-catalyzed Shynthesis of Red Pitaya (Hylocereus polyrhizus) Seed Oil Esters for Cosmeceutical Purpose. International Invention, Innovation & Design 2018 (IIID 2018)	Universiti Teknologi Mara (UiTM)	International	2018
Academic Award (Bronze)	Halal Palm-based Shortening as Lard Substitute	Uninersiti Teknologi Mara (UiTM)	International	2020

Medal)				
Academic Award (Silver Medal)	Enzymatic Transesterification of Red Pitaya Seed Oil for Cosmeceutical Application	Uninersiti Teknologi Mara (UiTM)	International	2020
Academic Award (Silver Medal)	The Unexplored Botanical Extracts: A New Horizon in Anti-Aging Formulation. International EUREKA Innovation Exhibition	UniKL and MARA	International	2018
Academic Award (Certificate)	Outstanding Contribution in Reviewing	LWT-Food Science and Technology Journal (Elsevier) 2017	International	2018
Academic Award (Certificate)	Outstanding Contribution in Reviewing	Food Chemistry Journal (Elsevier) 2017	International	2018
Academic Award (Certificate)	Certificate of Reviewing	Heliyon Journal (Elsevier) 2017	International	2018
Academic Award (Certificate of Excellence in Reviewing)	Outsanding Contribution to the Quality of the Journal	Asian Food Science Journal	International	2018
Academic Award (2 <sup>nd</sup> Best Poster Presenter)	Phase Behavior Study of Aleo Vera with Virgin Coconut Oil and Olive Oil using Non-ionic Surfactants. 21 <sup>st</sup> Insudtrial Chemistry Seminar	Universiti Putra Malaysia	University	2018
Academic	Optimization of	Universiti Putra	University	2016

Award (Silver Medal)	Natural Lipstick Formulation Based on Pitaya (Hylocereus polyrhizus) Seed Oil Using D-Optimal Mixture Experimental Design. Pameran Rekacipta Penyelidikan dan Inovasi (PRPI)	Malaysia		
Academic Award (Silver Medal)	Formulation and Process Optimizations of Nano-Cosmeceuticals Containing Purified Swiftlet Nest. Pameran Rekacipta Penyelidikan dan Inovasi (PRPI)	Universiti Putra Malaysia	University	2016
Academic Award (Bronze Medal)	Oil Palm (Elaies guineensis) Leaf Extract as Active Ingredient for Topical Application. Ekspo Inovasi Islam (i-INOVA)	Universiti Sains Islam Malaysia	National	2016
Academic Award (Gold Medal)	Grange WCO-Skin Cream. Malaysia international Young Inventors Olympiad	Perda Mall, Penang, Malaysia	International	2016
Academic Award (Gold Medal)	Himalayan Salts as Dermatitis Soap (HSDS). International Engineering, Invention dan	Universiti Malaysia Perlis	International	2016

	Innovation Exhibition (I-ENVEX 2016)			
Academic Award (Silver Medal)	Grange WCO-Skin Cream. International Engineering, Invention dan Innovation Exhibition (I-ENVEX 2016)	Universiti Malaysia Perlis	International	2016
Academic Award (Gold Medal and Special Award)	Grange WCO-Skin Cream. World Invention Innovation Contest	Chung Mu Art, Seoul, Korea	International	2016
Academic award (Gold Medal)	Himalayan Salts as Dermatitis Soap (HSDS). Innovation, Invention and Design Exposition	UiTM Shah Alam, Malaysia	National	2016
Academic award (Gold Medal)	Grange WCO-Skin Cream. Innovation, Invention and Design Exposition	UiTM Shah Alam, Malaysia	National	2016
Academic Award (Silver Medal)	Development and Characterization of Soap Formulation from Cooking Oil. International Engineering Invention & Innovation Exhibition (i-INVEX) 2015. 17-19 April 2015	Ministry of Education	International	2015
Academic Award (Silver Medal)	Development and Characterization of Soap Formulation from	UiTM	National	2015

	Cooking Oil. Invention, Innovation & Design Exposition 2015.27-30 April 2015			
Academic Award (Gold Medal)	Development and Characterization of Soap Formulation from Cooking Oil. Research Innovation Symposium Exposition 2015. 15-16 November 2015	MOSTI and UiTM	International	2015
Award of Appreciation	Outstanding Service Award (Anugerah Perkhidmatan Cemerlang)	Universiti Putra Malaysia	University	2016
Academic Award (Certificate)	Outstanding Contribution in Reviewing	Industrial Crops & Products(Elsevier)	International	2016
Academic award (Bronze Medal)	Oil palm (Elaies guineensis) leaves extract as a natural sunscreen and skin lightening agent for topical application. 27th International Invention & Innovation Exhibition (ITEX)	Malaysian Invention and design society (MINDS)	International	2016
Academic Award (Certificate of Appreciation)	Msc Student graduated on Time (GOT)	School of Graduate Studies, Universiti Putra Malaysia	Universiti	2016
Academic Award-Bronze	International Conference and	Ministry of Higher Learning	International	2015

Medal	Exposition on Inventions by Institutions of Higher Learning (PECIPTA 2015)			
Academic Award-Gold Medal	Pameran Rekacipta Penyelidikan dan Inovasi (PRPI), UPM	Universiti Putra Malaysia	University	2014
Academic Award: Silver Medal	Malaysia Agricultural Innovation Challenge (MAGIC)	MARDI, Malaysia	National	2014
Academic Award: BioInnovation Award: Bronze Medal	Biotechnology Asia Convention	Malaysian Association of Research Scientists (MARS)	International	2014
Academic Award	Researcher of the Year	EMTECH Group, UPM	University	2010
Academic Award	Dean Gold Medal Award	Faculty of Science, Universiti Putra Malaysia	Faculty	2010
Academic Award	The Best PhD Student for Department of Chemistry	Faculty of Science, Universiti Putra Malaysia	Faculty	2010
Bronze Medal	Malaysia Technology Expo(MTE)-	Malaysian Association of Research Scientists (MARS)	International	2010
Silver Medal	The World Exhibition on Innovation, Research and New Technologies (INNOVA) Brussels, Belgium	Brussel, Belgium	International	2010
Silver Medal	Pameran Rekacipta Penyelidikan dan Inovasi (PRPI),	Universiti Putra Malaysia	University	2009



	UPM-			
	Graduate Research Fellowship	UPM	University	2004-2007
<i>Non-Academic Awards</i>	Projek Komuniti Berimpak Tinggi	UPM	University	2016
<i>Awards of Merit</i>	Outstanding Service Award	UPM	University	2016

<b>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)</b>	
<i>Journal</i>	<p>a) Publications of Research Article (Cited Journal : in Scopus)</p> <ol style="list-style-type: none"> <li>1) Nur Illiyin Mohamed Roslan, Siti Salwa Abd Gani*, Miskandar Mat Sahri, Uswatun Hasanah Zaidan, Mohd Izuan Effendi Halmi. Comparative study on physical properties of cookies and dough made with palm-based shortening and lard. <i>Journal of Critical Reviews</i>. 7(8):1374-1378 (2020). (SCOPUS)</li> <li>2) Nur Illiyin Mohamed Roslan, Siti Salwa Abd Gani*, Miskandar Mat Sahri, Uswatun Hasanah Zaidan, Mohd Izuan Effendi Halmi. Comparative study on physical characteristics of palm-based shortening and lard. <i>Journal of Critical Reviews</i>. 7(8): 1368-1373 (2020). (SCOPUS)</li> <li>3) Khairunnisa' Mohd Zin, Mohd Izuan Effendi Halmi, Siti Salwa Abd Gani, Uswatun Hasanah Zaidan, Samsuri Abd Wahid and Mohd Yunus Abd Shukor. Microbial Decolorization of Triazo Dye, Direct Blue 71: An Optimization Approach Using Response Surface Methodology (RSM) and Artificial Neural Network (ANN). <i>Biomed Research International</i>. Volume 2020, Article ID 2734135, <a href="https://doi.org/10.1155/2020/2734135">https://doi.org/10.1155/2020/2734135</a> (2020)</li> <li>4) Sarah Idris, Rosnah Shamsudin, Mohd Zuhair Mohd Nor, Mohd Noriznan Mokhtar and Siti Salwa Abd Gani. Physicochemical composition of different parts of cassava (<i>Manihot esculenta</i> Crantz) plant. <i>Food Research</i>. 4:78-84 (2020) (SCOPUS)</li> <li>5) Maisarah Mohamed Zakaria, Uswatun Hasanah Zaidan, Suhaili Shamsi and Siti Salwa Abd Gani. Chemical composition of essential oils from leaf extract of pandan, <i>Pandanus amaryllifolius</i> ROXB. <i>Malaysian Journal of Analytical Sciences</i>. 20(1): 87 - 96 (2020) (SCOPUS)</li> <li>6) Adibah Kassim, Mohd Izuan Effendi Halmi, Siti Salwa Abd Gani, Uswatun Hasanah Zaidan, Radziah Othman, Khairil Mahmud and Mohd Yunus Abd Shukor. Bioluminescent method for the rapid screening of toxic heavy metals in environmental samples using <i>Photobacterium leiognathi</i> strain AK-MIE. <i>Ecotoxicology and Environmental Safety</i>. 196 (2020)110527: 1-13 (2020)</li> <li>7) Nur Syuhada Zahari, Uswatun Hasanah Zaidan, Mohd Badrin Hanizam, Siti Salwa Abd Gani and Mohd Izuan Effendi. Biofunctional Characteristics of Dietary Fibre from Malaysian <i>Ziziphus mauritiana</i> Leaves. <i>ASM Science Journal</i>. 13(6):53-59 (2020) (SCOPUS)</li> <li>8) Suzziyana Hosni, Siti Salwa Abd Gani, Mohd Izuan Effendi Halmi, Uswatun Hasanah Zaidan. Characterization of nutraceutical properties of date palm (<i>Phoenix dactylifera</i>L.) kernels. <i>International Journal of Pharmaceutical</i></li> </ol>

	<p>Research. 12(1): 178-182 (2020).</p> <p>9) Siti Atikah Zulkifli, Siti Salwa Abd Gani*, Uswatun Hasanah Zaidan and Mohd Izuan Effendi Halmi. Optimization of Total Phenolic and Flavonoid Contents of Defatted Pitaya (<i>Hylocereus polyrhizus</i>) Seed Extract and its Antioxidant Properties. <i>Molecules</i>. 25 (787): doi:10.3390/molecules25040787(2020) (Q2, ISI &amp; SCOPUS, IF: 3.06)</p> <p>10) Ramya Vijayakumar, Siti Salwa Abd Gani*, Uswatun Hasanah Zaidan, Mohd Izuan Effendi Halmi, Thiruvethan Karunakarane and Mohd Razak Hamdan. Exploring the potential use of red pitaya peels as a source of cosmeceutical sunscreen agent for its antioxidant and photoprotective properties. <i>Evidence-based Complementary and Alternative Medicine</i>. Volume 2020, Article ID 7520736, <a href="https://doi.org/10.1155/2020/7520736">https://doi.org/10.1155/2020/7520736</a> (2020) (Q2, ISI &amp; SCOPUS, IF: 1.984)</p> <p>11) Nur Syuhada Mohd Ataa, Siti Salwa Abd Gani*, Mohd Izuan Effendi Halmi, Sumaiyah Abdullah, Masriana Hassan, Uswatun Hasanah Zaidan, Valerie Orsat. Anti-inflammatory Activities of Methanolic Extracts from <i>Melastoma Malabathricum</i> Linn. and <i>Melastoma Decemfidum</i> Roxb. Leaves on Macrophage RAW264.7 Cell Line. <i>Indian Journal of Public Health Research &amp; Development</i>. November 2019. DOI Number: 10.5958/0976-5506.2019.03949.4. 10(11): 2312-2317 (2019).</p> <p>12) Ezzah Abd Manan, Siti Salwa Abd Gani*, Uswatun Hasanah Zaidan and Mohd Izuan Effendi Halmi. Characterization of antioxidant activities in red dragon fruit (<i>Hylocereus polyrhizus</i>) pulp water-based extract. <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i>. 61 (2): 170-180 (2019). (SCOPUS)</p> <p>13) Noor Wahida Ismail-Suhaimy, Siti Salwa Abd Gani, Uswatun Hasanah Zaidan, Mohd Izuan Effendi Halmi, Paiman Bawon. Effect of different extraction method on total phenol content, total flavonoid content, and antioxidant activity of <i>Barleria lupulina</i> Linn. <i>Test Engineering &amp; Mangement</i>. November-December 2019: 980-986 (2019). (SCOPUS)</p> <p>14) Nur Fauwizah Azahar, Siti Salwa Abd Gani*, Uswatun Hasanah Zaidan, Mohd Izuan Effendi Halmi. <i>Melastomataceae</i> family species (<i>Melastoma Malabathricum</i> L. Smith, <i>melastoma malabathricum</i> var. <i>alba</i> and <i>Clidemia Hirta</i> L. D. Don): A review of their ethnomedicinal, chemical constituents and pharmacological properties. <i>Journal of Advanced Research in Dynamical and Control Systems</i>. 11 (8 Special Issue): 1105-1114 (2019). (SCOPUS)</p> <p>15) Arief Huzaimi Md Yusof, Siti Salwa Abd Gani, Uswatun Hasanah Zaidan, Izuan Effendi Halmi. Central composite design as a tools for optimization of antioxidant activity on cocoa shell extract. <i>International Journal of Engineering and Advanced Technology</i>. 8(6S3): 169-173 (2019). (SCOPUS)</p> <p>16) Siti Fatimah Balqis Binti Jamaludin, Siti Salwa binti Abd Gani, Uswatun Hasanah binti Zaidan, Paiman Bawon. Application of Plackett Burman Design for Antioxidant Extraction from <i>Actinodaphne sesquipedalis</i> leaves. <i>International Journal of Engineering and Advanced Technology</i>. 8(6S3): 48-51 (2019). (SCOPUS)</p> <p>17) Siti Atikah Zulkifli, Siti Salwa Abd Gani*, Uswatun Hasanah Zaidan, Izuan Effendi Halmi. Optimization of Antioxidant Extraction in <i>Hylocereus polyrhizus</i> Seed using Response Surface Methodology. <i>International Journal of Engineering and Advanced Technology</i>. 8(6S3): 43-47 (2019). (SCOPUS)</p> <p>18) Nur Izzati Mohamad Zen, Uswatun Hasanah Zaidan, Siti Salwa Abd Gani and Suhaili Shamsi. Essential Oil Constituents Assessment and Antioxidant Profiles of <i>Stevia rebaudiana</i> Bertoni Leaves from Malaysia. <i>Malaysian</i></p>
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	<p>Applied Biology Journal. 48(2):55-62 (2019) (SCOPUS)</p> <p>19) F.N.A.M. Jailani, U.H. Zaidan, M.B.H.A. Rahim, S.S.A. Gani and M.I.E. Halmi (2019). Evaluation of Constituents and Physicochemical Properties of Malaysia Underutilized <i>Ziziphus mauritiana</i> (Bidara) for Nutraceutical Potential. International Journal of Fruit Science. (DOI:10.1080/15538362.2019.1641458).</p> <p>20) Arief Huzaimi Md Yusof, Siti Salwa Abd Gani*, Uswatun Hasanah Zaidan, Mohd Izuan Effendi Halmi, Norliza Abdul Wahab. Optimization of central composite design of ferric reducing antioxidant power from cocoa (<i>Theobroma cacao</i>) shell using ultrasound-assisted technique. International Journal of Recent Technology and Engineering. 8(2 Special Issue 2): 80-85 (2019). (SCOPUS)</p> <p>21) Masyitah Amat Sairin, Suraini Abd Aziz, Tan Chin Ping, Shuhaimi Mustafa, Siti Salwa Abd Gani, Fakhrol Zaman Rokhani. Lard classification from other animal fats using dielectric spectroscopy technique. International Food Research Journal. 26(3): 773-782 (2019). (Q4, ISI &amp; SCOPUS: 0.662)</p> <p>22) Nur Syuhadah Ram Talib, Mohd Izuan Effendi Halmi, Siti Salwa Abd Gani, Uswatun Hasanah Zaidan, Mohd Yunus Abdul Shukor. Artificial Neural Networks (ANNs) and Response Surface Methodology (RSM) Approach for Modelling the Optimization of Chromium (VI) Reduction by Newly Isolated <i>Acinetobacter radioresistens</i> Strain NS-MIE from Agricultural Soil. BioMed Research International. 5785387 (2019). (Q3, ISI &amp; SCOPUS : 2.179)</p> <p>23) Uswatun Hasanah Zaidan, Noria Ab Karim, Syahida Ahmad, Siti Salwa Abd Gani, Mohd Izuan Effendi Halmi. Nutraceutical evaluation and antioxidant potential of red kidney bean (<i>Phaseolus vulgaris</i>) and chickpea (<i>Cicer arietinum</i>) seed coats. Asian Journal of Agriculture and Biology. 7(1):19-26 (2019). (SCOPUS)</p> <p>24) Farihin Azhari, Uswatun Hasanah Zaidan, Syahida Ahmad, Siti Salwa Abd Gani. Optimization of <i>Nigella sativa</i> oil-based ferulate ester synthesis using response surface methodology. Malaysian Applied Biology. 48(2):27-31 (2019). (SCOPUS)</p> <p>25) Uswatun Hasanah Zaidan, Nur Izzati Mohamad Zen, Nor Aida Amran, Suhaili Shamsi, Siti Salwa Abd Gani. Biochemical evaluation of phenolic compounds and steviol glycoside from <i>Stevia rebaudiana</i> extracts associated with in vitro antidiabetic potential. Biocatalysis and Agricultural Biotechnology. 18,101049 (2019). (SCOPUS)</p> <p>26) Nur Royhaila Mohamad, Siti Salwa Abd Gani*, Roswanira Abdul Wahab and Uswatun Hasanah Zaidan. Development Of Nanoemulsion Incorporated with <i>Hibiscus Sabdariffa</i> for Cosmeceutical Application. Malaysian Applied Biology. 48(2): 77–81(2019). (SCOPUS)</p> <p>27) Asiah Abdullah, Siti Salwa Abd Gani*, Taufiq Yap Yun Hin, Zaibunnisa Abdul Haiyee, Uswatun Hasanah Zaidan, Mohd Azlan Kassim and Mohd Izuan Effendi Halmi. Lipase-catalyzed synthesis of red pitaya (<i>Hylocereus polyrhizus</i>) seed oil esters for cosmeceutical applications: process optimization using response surface methodology. RSC Advances. 9: 5599–5609 (2019). (Q2, ISI &amp; SCOPUS, IF: 2.936)</p> <p>28) Arief Huzaimi Md Yusof, Siti Salwa Abd Gani*, Uswatun Hasanah Zaidan, Mohd Izuan Effendi Halmi, Badrul Hisyam Zainudin. Optimization of an Ultrasound-Assisted Extraction Condition for Flavonoid Compounds from Cocoa Shells (<i>Theobroma Cacao</i>) Using Response Surface Methodology. Molecules. 24 (711): art. no. doi:10.3390/molecules24040711 (2019). (Q2, ISI &amp; SCOPUS, IF : 3.098)</p>
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	<p>29) Nur Royhaila Mohamad, Siti Salwa Abd Gani*, Roswanira Abdul Wahab and Uswatun Hasanah Zaidan. In-Vitro Photoprotective Activities of Different Solvent Extraction of Hibiscus Sabdariffa. <i>Malaysian Journal of Analytical Sciences</i>. 22 (6): 1078 – 1083 (2018). (SCOPUS)</p> <p>30) Asiah Abdullah, Siti Salwa Abd Gani *, Nor Fadzillah Mohd Mokhtar, Taufiq Yap Yun Hin, Zaibunnisa Abdul Haiyee. Characterization of oil extracted from red pitaya (<i>Hylocereus polyrhizus</i>) seeds using supercritical fluid extraction. <i>International Journal of Engineering &amp; Technology</i>. 7(3.7):407-410 (2018). (SCOPUS)</p> <p>31) Ramya Vijayakumar, Siti Salwa Abd Gani*, Uswatun Hasanah Zaidan and Mohd Izuan Effendi Halmi. Optimization of the Antioxidant Potentials of Red Pitaya Peels and Its In Vitro Skin Whitening Properties. <i>Applied Sciences</i>. applsci-340522; doi: 10.3390/app8091516. 2018 (8): art. no. 1516 (2018). (Q3, ISI &amp; SCOPUS, IF : 1.689)</p> <p>32) Zafarizal Aldrin Azizul Hasan, Zainab Idris, Siti Salwa Abd Gani, Mahiran Basri. In vitro safety evaluation of palm tocotrienol-rich fraction nanoemulsion for topical application. <i>Journal of Oil Palm Research</i>. 30(1):150-162 (2018). (Q4, ISI &amp; SCOPUS, IF: 0.427)</p> <p>33) Siti Norhawani Harun, Syafinaz Amin Nordin, Siti Salwa Abd Gani, Ahmad Fuad Shamsuddin, Mahiran Basri, Hamidon Bin Basri. Development of nanoemulsion for efficient brain parenteral delivery of cefuroxime: designs, characterizations, and pharmacokinetics. <i>International Journal of Nanomedicine</i>. 2018(13): 2571–2584 (2018). (Q2, ISI &amp; SCOPUS, IF: 4.370)</p> <p>34) Khurul Ain Mohamed Mahzir, Siti Salwa Abd Gani*, Uswatun Hasanah Zaidan and Mohd Izuan Effendi Halmi. Development of Phaleria macrocarpa (Scheff.) Boerl Fruits Using Response Surface Methodology Focused on Phenolics, Flavonoids and Antioxidant Properties. <i>Molecules</i>. 23 (4): art. no. 724 (2018). (Q2, ISI &amp; SCOPUS, IF: 3.098)</p> <p>35) Siti Salwa Abd Gani*, Nur Fauwizah Azahar and Nor Fadzillah Mohd Mokhtar. Response Surface Optimization of High Antioxidative Extraction from Curcuma Zedoaria Leaves. <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i>. 43(1):90-103(2018). (SCOPUS)</p> <p>36) Siti Salwa Abd Gani*, Nor Fadzillah Mohd Mokhtar, Uswatun Hasanah Zaidan, Farrah Payyadhah Borhan, Khalijah Talha and Nur Fauwizah Azahar. Optimization of Moisturizing Clay Soap Containing Pitaya (<i>Hylocereus polyrhizus</i>) Seed Extract Using D-Optimal Mixture Experimental Design. <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i>. 43(1):45-57 (2018). (SCOPUS)</p> <p>37) Nor Zuliana Yusof, Siti Salwa Abd Gani, Zafarizal Aldrin Azizul Hasan, Zainab Idris. Skin and Eye Irritation Assessment of Oil Palm (<i>Elaeis guineensis</i>) Leaf Extract for Topical Application. <i>International Journal of Toxicology</i>. 37(4):335-343 (2018). (Q4, ISI &amp; SCOPUS, IF: 1.504)</p> <p>38) Asiah Abdullah, Siti Salwa Abd Gani*, Nor Fadzillah Mohd Mokhtar, Taufiq Yap Yun Hin, Zaibunnisa Abdul Haiyee, Suhana Mustafa. Supercritical carbon dioxide extraction of red pitaya (<i>Hylocereus polyrhizus</i>) seeds: Response surface optimization, fatty acids and physicochemical properties. <i>Malaysian Applied Biology</i>. 47(2): 39-46 (2018). (SCOPUS)</p> <p>39) Uswatun Hasanah Zaidan, Siti Salwa Abd Gani, Suhaili Shamsi. Chemical Evaluation and antioxidant properties of stevia rebaudiana extracts and essential oil from Stevia rebaudiana Leaves. <i>Malaysian Applied Biology</i>. 47(2): 15-23 (2018). (SCOPUS)</p> <p>40) Nur Royhaila Mohamad, Siti Salwa Abd Gani*, Roswanira Abdul Wahab</p>
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	<p>And Uswatun Hasanah Zaidan. Phytochemical and antimicrobial activities of different solvent extracts of hibiscus sabdariffa. Malaysian Applied Biology. 47(2): 53-56 (2018). (SCOPUS)</p> <p>41) Izzati Khalidah Khalid, Nor Fadzillah Mohd Mokhtar, Ishak Hashim, Zarina Bibi Ibrahim, and Siti Salwa Abd Gani. Effect of Internal Heat Source on the Onset of Double-Diffusive Convection in a Rotating Nanofluid Layer with Feedback Control Strategy. Advances in Mathematical Physics. Art. no. 2789024 (2017). (Q4, ISI &amp; SCOPUS, IF: 0.643)</p> <p>42) Nor Fadzillah Mohd Mokhtar, Izzati Khalidah Khalid, Zailan Siri, Zarina Bibi Ibrahim, and Siti Salwa Abd Gani. Control strategy on the double-diffusive convection in a nanofluid layer with internal heat generation. Physics of Fluids. 29(10): art. no. 107105 (2017). (Q2, ISI &amp; SCOPUS, IF: 2.232)</p> <p>43) Nur Fauwizah Azahar, Siti Salwa Abd Gani*, and Nor Fadzillah Mohd Mokhtar. Optimization of Phenolics and Flavonoids Extraction Conditions of Curcuma Zedoaria Leaves using Response Surface Methodology. Chemistry Central Journal. 11(1): art. no. 96. DOI 10.1186/s13065-017-0324-y. (2017). (Q2, ISI &amp; SCOPUS, IF: 2.442)</p> <p>44) Ramya Vijayakumar, Siti Salwa Abd Gani* and Nor Fadzillah Mokhtar. Anti-Elastase, Anti-Collagenase And Antimicrobial Activities Of The Underutilized Red Pitaya Peel: An In Vitro Study For Anti-Aging Applications. Asian Journal of Pharmaceutical and Clinical Research. 10(8): 251-255 (2017). (SCOPUS)</p> <p>45) Izzati Khalidah Khalid, Nor Fadzillah Mohd Mokhtar, Zarina Bibi Ibrahim and Siti Salwa Abd Gani. Effect of rotation on the Rayleigh-Benard convection in nanofluid layer with vertical magnetic field and internal heat source. Journal of Engineering and Applied Sciences. 12(3): 670-678 (2017). (SCOPUS)</p> <p>46) Nurul Hafizah Zainal Abidin, Nor Fadzillah Mohd Mokhtar, Muhammad Syahid Zuhri Suardi, Zanariah Abdul Majid, Siti Salwa Abd Gani. Magnetoconvection in a Soret driven binary fluid mixture induced by temperature dependent viscosity. Journal of Engineering and Applied Sciences. 12(3): 494-500 (2017). (SCOPUS)</p> <p>47) Nurul Hafizah Zainal Abidin, Nor Fadzillah Mohd Mokhtar, Izzati Khalidah Khalid, Rosleela Abdul Rahim, Siti Salwa Abd Gani. Stability Control in A Binary Fluid Mixture Subjected to Cross Diffusive Coefficients. International Journal of Advanced Science, Engineering, Information and Technology. 7(1):322-328 (2017). (SCOPUS)</p> <p>48) Nor Zuliana Yusof, Siti Salwa Abd Gani, and Zafarizal Aldrin Azizul Hasan. Potential uses of oil palm (Elaeis guineensis) leaf extract in topical application. Journal of Oil Palm Research. 28(4):520-530 (2016). (Q4, ISI &amp; SCOPUS, IF: 0.544)</p> <p>49) Nor Fadzillah Mohd Mokhtar, Nor Azah Abdul Aziz and Siti Salwa Abd Gani. Investigation on coupled convection with internal heating in micropolar fluid. Advances and Applications in Fluid Mechanics. 19(3):707-723 (2016) (SCOPUS)</p> <p>50) Azila Abdul Karim, Azrina Azlan, Amin Ismail, Puziah Hashim, Siti Salwa Abd Gani, Badrul Hisyam Zainudin and Nur Azilah Abdullah. Efficacy of cocoa pod extract as antiwrinkle gel on human skin surface. Journal of Cosmetic Dermatology. 15(3):283-295 (2016). (Q4, ISI &amp; SCOPUS, IF: 0.876)</p> <p>51) Norazlin Mat Husin, Mahiran Basri, Puziah Hashim, Siti Salwa Abd Gani. Improved properties of lipstick formulation with engkabang fats. Asian</p>
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	<p>journal of Pharmaceutics. 9 (2): 125-128 (2015). (SCOPUS)</p> <p>52) Siti Salwa Abd Gani*, Norsuhaili Kamairudin, Rawaida Liyana Razalli and Mahiran Basri. Phase Behaviour Study of Pitaya Seed Oil: Jojoba Oil with Non-Ionic Surfactants in Emulsion System. Asian Journal of Chemistry. 27(9):3452-3456 (2015). (Q4, ISI &amp; SCOPUS, IF: 0.355)</p> <p>53) Norsuhaili Kamairudin, Siti Salwa Abd Gani*, Hamid Reza Fard Masoumi, Mahiran Basri, Puziah Hashim, Norfadzillah Mohd Mokhtar and Majella E Lane. Modeling of a Natural Lipstick Formulation using an Artificial Neural Network. RSC Advances. 5(84): 68632–68638 (2015). (Q1, ISI &amp; SCOPUS, IF: 3.84)</p> <p>54) Nur Izzati Mohamad Zen, Siti Salwa Abd Gani*, Rosnah Shamsuddin and Hamid Reza Fard Masoumi. The Use of D-Optimal Mixture Design in Optimizing Development of Okara Tablet Formulation as a Dietary Supplement. The Scientific World Journal. Art. no. 684319. <a href="http://dx.doi.org/10.1155/2015/684319">http://dx.doi.org/10.1155/2015/684319</a> (2015). (Q2, ISI &amp; SCOPUS, IF: 1.219)</p> <p>55) Siti Husnaa Mohd Taib, Siti Salwa Abd Gani*, Mohamad Zaki Ab Rahman, Mahiran Basri, Amin Ismail and Rosnah Shamsudin. Formulation and process optimizations of nano-cosmeceuticals containing purified swiftlet nest. RSC Advances. 5(53): 42322–42328 (2015). (Q1, ISI &amp; SCOPUS, IF: 3.84)</p> <p>56) Siti Salwa Abd Gani* and Siti Zulaika Adisah. Phase Behaviour Study of Swiftlet Nest Using Virgin Coconut Oil With Non-Ionic Surfactants. Malaysian Journal of Analytical Sciences. 19(1):184-193 (2015). (SCOPUS)</p> <p>57) Farrah Payyadhah Borhan, Siti Salwa Abd Gani*, and Rosnah Shamsuddin. The Use of D-Optimal Mixture Design in Optimising Okara Soap Formulation for Stratum Corneum Application. The Scientific World Journal. Art no. 173979. <a href="http://dx.doi.org/10.1155/2014/173979">http://dx.doi.org/10.1155/2014/173979</a> (2014). (Q2, ISI &amp; SCOPUS, IF: 1.219)</p> <p>58) Norsuhaili Kamairudin, Siti Salwa Abd Gani*, Hamid Reza Fard Masoumi and Puziah Hashim. Optimization of Natural Lipstick Formulation Based on Pitaya (<i>Hylocereus polyrhizus</i>) Seed Oil Using D-Optimal Mixture Experimental Design. Molecules. 19(10): 16672-16683 (2014). (Q2, ISI &amp; SCOPUS, IF: 2.416)</p> <p>59) Azila Abdul Karim, Azrina Azlan, Amin Ismail, Puziah Hashim, Siti Salwa Abd Gani, Badrul Hisyam Zainudin and Nur Azilah Abdullah. Phenolic composition, antioxidant, anti-wrinkles and tyrosinase inhibitory activities of cocoa pod extract. BMC Complementary and Alternative Medicine. 14(1): art. no. 381. Doi: 10.1186/1472-6882-14-381 (2014). (Q2, ISI &amp; SCOPUS, IF: 2.020)</p> <p>60) Hamid Reza Fard Masoumi, Mahiran Basri, Siti Salwa Abd Gani, Yadollah Abdollahi, Dzulkifli Kuang. Comparison of Estimation Capabilities of the Artificial Neural Network with the Wavelet Neural Network in Lipase-Catalyzed Synthesis of Triethanolamine-Based Esterquats Cation Surfactant. Journal of Surfactants and Detergents. 17(2):287-294 (2014). (Q2, ISI &amp; SCOPUS, IF: 1.352)</p> <p>61) Hamid Reza Fard Masoumi, Mahiran Basri, Siti Salwa Abd Gani, Yadollah Abdollahi, Dzulkifli Kuang, Malahat Razaee. Optimization of process parameters for lipase-catalyzed synthesis of esteramines-based esterquats using wavelet neural network (WNN) in 2-liter bioreactor. Journal of Industrial and Engineering Chemistry. 20(4):1973-1976 (2014). (Q2, ISI &amp; SCOPUS, IF: 2.063)</p> <p>62) Nur Nadiah Abdul Rasyid, Intan Safinar Ismail, Siti Salwa Abd Gani, Faujan</p>
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	<p>4) Siti Salwa Abd Gani*, Majella E Lane, Rabiatal Adawiah Ramli, Mahiran Basri and Nor Fadzillah Mohd Mokhtar. Effect of Octyl Salicylate With Respect To the Physical Appearance of Mono/Di Caprylic and Capric Fatty Acids Formulations. Journal of Pharmaceutical Research. 1(1):1-5 (2016).</p> <p>5) Siti Salwa Abd Gani*, Mahiran Basri, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Characterization of Encapsulated Titanium Dioxide Using Engkabang Fat Esters For Cosmeceutical Purposes. International Journal of Pharmaceutical, Chemical and Biological Sciences. 4(3): 725-737 (2014).</p>
<i>Books/Monographs</i>	-
<i>Chapter in book</i>	<p>1) Nur Bahirah Baharum, Mohd Daud Awang, Syariena Arshad, Siti Salwa Abd Gani and Kamarulzaman Ismail. A Study of Literatures: Status of Alcohol in Cosmetic Products from Shariah Views in Malaysia. Isu-Isu Halal: Syariah, Sains dan Ekonomi. ISBN : 978-967-12398-9-6. Laboratory of Halal Policy and Management, Halal Products Research Institute, Universiti Putra Malaysia (2019).</p> <p>2) Siti Salwa Abd Gani, Ramyar Vijayakumar, Asiah Abdullah and Nur Fauwizah Azahar. Garbage to Galmour: All Hail Red Pitaya By-Products for Innovation and Bio-sustainable Age-defying Beauty. Leading Towards Creativity and Innovation (Series 2). MNNF Publisher, MALAYSIA. 212-220 (2019).</p> <p>3) Siti Salwa Abd Gani, Nur Fauwizah Azahar, Ramyar Vijayakumar and Asiah Abdullah. The Unexplored Botanical Extracts: A New Horizon in Skin Anti-Aging Formulation. Leading Towards Creativity and Innovation (Series 2). MNNF Publisher, MALAYSIA. 221-229 (2019).</p>
<i>Proceedings</i>	<p>Proceeding (Oral/ Poster Presentation) IN CONGRESSES / CONFERENCES / EXHIBITIONS</p> <p>1. Najat Nabilah Noor Ezzuddin, Siti Salwa Abd Gani, Uswatun Hasanah Zaidan, and Mohd Izuan Effendi Halmi. Antioxidant Activities of Phaleria Macrocarpa Fruits Extracted by Aqueous Extraction Method. The 9th International Conference on Computer Science and Computational Mathematics (ICCSCM 2020). 9th -10th July 2020. MALAYSIA.</p> <p>2. Alyaa Nurathirah Abd Halim, Siti Salwa Abd Gani, Uswatun Hasanah Zaidan, and Mohd Izuan Effendi Halmi. Potentiality of Incorporating Cocoa Liquor in Skin Care Cosmetics. The 9th International Conference on Computer Science and Computational Mathematics (ICCSCM 2020). 9th -10th July 2020. MALAYSIA.</p> <p>3. Arief Huzaimi Md Yusof, Siti Salwa Abd Gani, Uswatun Hasanah Zaidan, Mohd Izuan Effendi Halmi. Azila Abdul Karim1The 9th International Conference on Computer Science and Computational Mathematics (ICCSCM 2020). 9th -10th July 2020. MALAYSIA.</p> <p>4. Nur Illiyin Mohamed Roslan, Siti Salwa Abd Gani, Miskandar Mat Sahri, Uswatun Hasanah Zaidan, Mohd Izuan Effendi Halmi. Comparative Study on Physical Characteristics of Palm-based Shortening and Lard. 7th International Conference on Applied Science and Technology (ICAST 2020). 13-14 July 2020. MALAYSIA</p> <p>5. Nur Illiyin Mohamed Roslan, Siti Salwa Abd Gani, Miskandar Mat Sahri, Uswatun Hasanah Zaidan, Mohd Izuan Effendi Halmi. Comparative study on physical properties of cookies and dough made with palm-based shortening</p>



	<p>and lard. 7th International Conference on Applied Science and Technology (ICAST 2020). 13-14 July 2020. MALAYSIA</p> <p>6. Arief Huzaimi Md Yusof, Siti Salwa Abd Gani, Uswatun Hasanah Zaidan and Mohd Izuan Effendi Halmi. Design and Development of Topical Gel Bases Formulation of Cocoa (Theobroma Cacao) Shell extract for Hair Gel. 7th International Conference on Applied Science and Technology (ICAST 2020). 13-14 July 2020. MALAYSIA</p> <p>7. Siti Salwa Abd Gani, Ramyar Vijayakumar, Asiah Abdullah and Nur Fauwizah Azahar. Garbage to Glamour: All Hail Red Pitaya By-Products for Innovation and Bio-sustainable Age-defying Beauty. International Invention &amp; Innovative Competition (InIIC Series 2/2019). 2nd November 2019. Selangor, MALAYSIA. (Gold Medal)</p> <p>8. Siti Salwa Abd Gani, Nur Fauwizah Azahar, Ramyar Vijayakumar and Asiah Abdullah. The Unexplored Botanical Extracts: A New Horizon in Skin Anti-Aging Formulation. International Invention &amp; Innovative Competition (InIIC Series 2/2019). 2nd November 2019. Selangor, MALAYSIA. (Silver Medal)</p> <p>9. Siti Salwa Abd Gani, Nur Fauwizah Azahar, Uswatun Hasanah Zaidan, Paiman Bawon and Mohd Izuan Effendi Halmi. The Effects of Leaves Extract of Melastomataceae Family Species (M. Malabathricum, M. Hirta, and M. Decemfidum) on Antioxidant Activity and Growth of Pathogenic Bacteria. 2nd International Conference on Recent Advancements in Science and Technology (ICoRAST2019). 28th - 30th October 2019. Putrajaya, MALAYSIA.</p> <p>10. Ezzah Abd Manan, Siti Salwa Abd Gani, Uswatun Hasanah Zaidan, Mohd Izuan Effendi Halmi. Characterization of Antioxidant Activities in Red Dragon Fruit (Hylocereus polyrhizus) Water-based Extract. The 5th International Conference on Applied Science &amp; Technology 2019 (ICAST 2019). 1st – 2nd April 2019. Johor Bahru, MALAYSIA.</p> <p>11. Arief Huzaimi Md Yusof , Siti Salwa Abd Gani, Uswatun Hasanah Zaidan, Izuan Effendi Halmi, Norliza Abdul Wahab. Optimization of Central Composite Design of Ferric Reducing Antioxidant Power from Cocoa (Theobroma cacao) Shell Using Ultrasound-assisted Technique. The 5th International Conference on Applied Science &amp; Technology 2019 (ICAST 2019). 1st – 2nd April 2019. Johor Bahru, MALAYSIA.</p> <p>12. Siti Atikah Zulkifli, Siti Salwa Abd Gani, Uswatun Hasanah Zaidan, Izuan Effendi Halmi. Effect of Extraction Condition on the Recovery of Phenolic Compounds from Hylocereus Polyrhizus's Defatted Seed: An Alternative Halal Source of Antioxidant Compound. International Conference on Islam, Economy, and Halal Industry. 30th -31st July 2019. Malang, INDONESIA.</p> <p>13. Intan Nur Balqis Khalid Wong, Siti Salwa Abd Gani, Uswatun Hasanah Zaidan, Izuan Effendi Halmi. Analysis of Operating Variables For Microwave-Assisted Extraction of Pereskia Bleo Kunt DC Leaves Using Different Solvent. International Conference on Islam, Economy, and Halal Industry. 30th -31st July 2019. Malang, INDONESIA.</p> <p>14. Alyaa Nurathirah Abd Halim, Siti Salwa Binti Abd Gani, Uswatun Hasanah Binti Zaidan, Mohd Izuan Effendi Bin Halmi, Norliza Binti Abdul Wahab, Arief, Huzaimi Bin Md Yusof. Malaysian Cocoa Liquor Antioxidant Assays. International Food Research Conference 2019 (IFRC 2019). 27th-29th August 2019. Putrajaya, MALAYSIA.</p> <p>15. Nur Izzati Mohamad Zen, Siti Salwa binti Abd Gani, Uswatun Hasanah binti Zaidan, Rosnah binti Shamsudin. Characterization of Soy Residue (Okara) as Functional Nutraceutical Supplement. International Food Research</p>
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	<p>extracts and essential oil. International Conference on Recent Advancements in Science and Technology (ICoRAST2017). 7-9 November 2017. Melaka, MALAYSIA.</p> <p>55. Nur Royhaila Mohamad, Siti Salwa Abd Gani*, Roswanira Abdul Wahab And Uswatun Hasanah Zaidan. Phytochemical and antimicrobial activities of different solvent extracts of hibiscus sabdariffa. International Conference on Recent Advancements in Science and Technology (ICoRAST2017). 7-9 November 2017. Melaka, MALAYSIA.</p> <p>56. Asiah Abdullah, Siti Salwa Abd Gani*, Nor Fadzillah Mohd Mokhtar, Taufiq Yap Yun Hin, Zaibunnisa Abdul Haiyee, Suhana Mustafa. Supercritical carbon dioxide extraction of red pitaya (<i>Hylocereus polyrhizus</i>) seeds: Response surface optimization, fatty acids and physicochemical properties. International Conference on Recent Advancements in Science and Technology (ICoRAST2017). 7-9 November 2017. Melaka, MALAYSIA.</p> <p>57. Asiah Abdullah, Siti Salwa Abd Gani, Nor Fadzillah Mohd Mokhtar, Taufiq Yap Yun Hin, Zaibunnisa Abdul Haiyee. Characterization of oil extracted from red pitaya (<i>Hylocereus polyrhizus</i>) seeds using supercritical fluid extraction. 3rd International Postgraduate Conference on Applied Science and Technology 2017 (IPCAST2017). 6th - 7th September 2017. Ibis Bandung Pasteur, Bandung, INDONESIA.</p> <p>58. Asiah Abdullah, Siti Salwa Abd Gani, Nor Fadzillah Mohd Mokhtar, Taufiq Yap Yun Hin, Zaibunnisa Abdul Haiyee and Suhana Mustafa. Comparison of supercritical carbon dioxide extraction and solvent extraction of red pitaya (<i>Hylocereus polyrhizus</i>) seeds: a source of essential fatty acids. Fundamental Science Congress, 9th - 10th August 2016, Faculty of Science, Universiti Putra Malaysia, Selangor, MALAYSIA.</p> <p>59. Siti Salwa Abd Gani, Siti Husnaa Mohd Taib, Mohamad Zaki Ab Rahman, Mahiran Basri, Amin Ismail, Rosnah Shamsudin and Sarah Idris. Formulation and Process Optimizations of Nano-Cosmeceuticals Containing Purified Swiftlet Nest. Pameran Rekacipta Penyelidikan dan Inovasi (PRPI) Pusat Kebudayaan dan Kesenian Sultan Abdul Aziz Shah, Universiti Putra Malaysia, Selangor, MALAYSIA. 2016 (Silver Medal)</p> <p>60. Siti Salwa Abd Gani, Norsuhaili Kamairudin, Hamid Reza Fard Masoumi, Puziah Hashim and Asiah Abdullah. Optimization of Natural Lipstick Formulation Based on Pitaya (<i>Hylocereus polyrhizus</i>) Seed Oil Using D-Optimal Mixture Experimental Design. Pameran Rekacipta Penyelidikan dan Inovasi (PRPI) Pusat Kebudayaan dan Kesenian Sultan Abdul Aziz Shah, Universiti Putra Malaysia, Selangor, MALAYSIA. 2016 (Silver Medal)</p> <p>61. Nor Zuliana Yusof, Siti Salwa Abd Gani, Zafarizal Aldrin Azizul Hasan. Oil Palm (<i>Elaies guineensis</i>) Leaf Extract as Active Ingredient for Topical Application. Ekspo Inovasi Islam (i-INOVA) Universiti Sains Islam Malaysia, MALAYSIA. 2016 (Bronze Medal)</p> <p>62. Siti Salwa Abd Gani, Majella E Lane, Mahiran Basri. Effect of Octyl Salicylate with respect to the physical appearance of mono/di capric and caprylic fatty acids Formulations. International Conference on Pharmaceutical Chemistry. 5th -7th September 2016. Frankfurt, GERMANY.</p> <p>63. Nor Zuliana Yusof, Siti Salwa Abd Gani, Zafarizal Aldrin Azizul Hasan, Norashikin Ahmad, Hazimah Abu Hassan. Oil palm (<i>Elaies guineensis</i>) leaves extract as a natural sunscreen and skin lightening agent for topical application. 27th International Invention &amp; Innovation Exhibition (ITEX 2016). 12th -14th May 2016. Kuala Lumpur Convention Centre, MALAYSIA. (Bronze Medal)</p> <p>64. Siti Salwa Abd Gani, Fazilah Farhana binti Abd Aziz, Nor Rasidah Khamis,</p>
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	<p>Siti Fatihah Balqis Jamaludin. 19th Industrial Chemistry Seminar. 2nd June 2016. Bangi-Putrajaya Hotel, Bandar Baru Bangi, Selangor, MALAYSIA.</p> <p>65. Nor Fadzilla Mohd Mokhtar and Siti Salwa Abd Gani. Convection on Binary Fluid with Cross Diffusive Coefficients and Vertical Magnetic Field. AIP Conf. Proc.: International Conference on Mathematics, Engineering and Industrial Applications. 1775: 030048-1 – 030048-8 (2016).</p> <p>66. Izzati Khalidah Khalid, Nor Fadzilla Mohd Mokhtar and Siti Salwa Abd Gani. Coriolis Force In A Nanofluid Layer In The Presence Of Soret Effect. 2nd International Conference and Workshop on Mathematical Analysis 2016, AIP conf proceeding. 1750: 020004-1 – 020004-8 (2016).</p> <p>67. Nor Zuliana Yusof, Siti Salwa Abd Gani, Zafarizal Aldrin Azizul Hasan. Potential Use of Oil Palm Leaves (<i>Elaies guineensis</i>) extract in topical application. International Palm Oil Congress and Exhibition. 6th -8th October 2015. Kuala Lumpur Convention Centre, MALAYSIA.</p> <p>68. Nur Amira Hanis Binti Pilus, Siti Salwa Abd Gani, Nur Fazreen Atila Binti Hashim, Khalijah Binti Talha, Sharifah Nurhafizah Binti Lukman. Optimization of moisturizing soap containing pitaya seed (<i>hylocereus polyrhizus</i>) using d-optimal mixture experimental design. 18th Industrial Chemistry Seminar (SKI XVIII). 9th June 2015. Cyberview Resort &amp; Spa, Cyberjaya, MALAYSIA.</p> <p>69. Siti Salwa Abd Gani, Mahiran Basri, Norsuhaili Kamairudin, Suhana Mustafa, Hasmah Bidin, Emilia Abd Malek. Naga Essence Formulations for Cosmeceutical Industry. 14th International Conference and Exposition on Inventions by Institutions of Higher Learning, PECIPTA. Organizer: Malaysia Ministry of Education. 4th -6th December 2015. Kuala Lumpur Convention Centre, MALAYSIA. (Bronze Medal)</p> <p>70. Siti Husnaa Mohd Taib, Siti Salwa Abd Gani, Mohamad Zaki Ab Rahman, Mahiran Basri, and Rosnah Shamsudin. The Effect of Swiftlet Nest Cleaning Process on the Nitrite and Protein Contents. Malaysia International Halal Research and Education Conference (MIHREC). 2nd -4th December 2014. Organizer: Halal Product Research Institute, Universiti Putra Malaysia. Marriott Putrajaya Hotel, MALAYSIA.</p> <p>71. Siti Salwa Abd Gani, Hasmah Bidin, Mahiran Basri, Emilia Abd. Malek, Mohamed Salama Mohamed. Development and Characterization of Pitaya Seed Oil-In-Water Nanoemulsions for Cosmeceuticals Application. Malaysia International Halal Research and Education Conference (MIHREC). 2nd -4th December 2014. Organizer: Halal Product Research Institute, Universiti Putra Malaysia. Marriott Putrajaya Hotel, MALAYSIA.</p> <p>72. Siti Salwa Abd Gani, Hasmah Bidin, Mahiran Basri, Emilia Abd. Malek, Mohamed Salama Mohamed. Optimization of Pitaya Seed Extract-based Nano-cosmeceutical Formulations using Response Surface Methodology (RSM). Malaysian Agricultural Innovation Challenge (MAGIC). 6th -8th November 2014. (Malaysia Agro Exposition Park Serdang, Selangor, MALAYSIA. Silver Medal)</p> <p>73. Siti Salwa Abd Gani, Hasmah Bidin, Mahiran Basri, Emilia Abd. Malek, Mohamed Salama Mohamed. Dr's Solutions for Skincare. Biotechnology Asia Convention. 19th -21st November 2014. Kuala Lumpur Convention Centre, MALAYSIA. (Bioinnovation Award: Bronze Medal)</p> <p>74. Siti Salwa Abd Gani, Hasmah Bidin, Mahiran Basri, Emilia Abd. Malek, Mohamed Salama Mohamed. Optimization of Pitaya Seed Extract-based Nano-cosmeceutical Formulations using Response Surface Methodology (RSM). Pameran Rekacipta Penyelidikan dan Inovasi (PRPI). 30th</p>
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	<p>September-1st October 2014. Organizer: Universiti Putra Malaysia. Universiti Putra Malaysia, Selangor, MALAYSIA. (Gold Medal)</p> <p>75. Siti Salwa Abd Gani and Siti Zulaika Adisah. Phase Behaviour Study of Swiftlet Nest Using Virgin Coconut Oil with Non-Ionic Surfactants. Malaysia International Conference on Oils and Fats. 20th -21st August 2014. Organizer: Universiti Kebangsaan Malaysia. Hotel Bangi-Putrajaya, MALAYSIA.</p> <p>76. Siti Salwa Abd Gani, Hasmah Bidin, Mahiran Basri, Emilia Abd. Malek, Mohamed Salama Mohamed. Optimization of Pitaya Seed Extract-based Nano-cosmeceutical Formulations using Response Surface Methodology (RSM). 1st International Conference on Industrial Pharmacy. 16th -17th August 2014. Swiss Garden Spa and Resort, Kuantan, Pahang, MALAYSIA.</p> <p>77. Siti Salwa Abd Gani, Mahiran Basri, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Characterization of Encapsulated Titanium Dioxide Using Engkabang Fat Esters for Cosmeceutical Industry. 44th World Chemistry Congress. Organizer: Turkish Chemical Society and IUPAC (International Union of Pure and Applied Chemistry). 11th -16th August 2013. Istanbul, TURKEY.</p> <p>78. Siti Salwa Abd Gani. Stratum Corneum VII, Skin Forum. Organizer: International Society for Stratum Corneum Research. 10th -12th September 2012. Cardiff, UNITED KINGDOM.</p> <p>79. Azila Abd Karim, Azrina Azlan, Siti Salwa Abd Gani. Antioxidant Properties of Cocoa Pod Extract for Development of Halal cosmeceutical Cream (Top 5). 4th-5th April 2012. 5th World Halal Research Summit. Kuala Lumpur Convention Centre, MALAYSIA.</p> <p>80. Azila Abdul Karim, Azrina Azlan, Amin Ismail, Puziah Hashim, Siti Salwa Abd Gani, Nur Azilah A. Elastase inhibition and antioxidant activities of cocoa pod extract. International Science and Technology Conference (ISTEC). 13th -15th December 2012. Hotel Sharjah Inn, Dubai UAE.</p> <p>81. Azila Abdul Karim, Azrina Azlan, Amin Ismail, Puziah Hashim, Siti Salwa Abd Gani, Nur Azilah A. Antioxidant properties of cocoa pod hush and its potential use in Cosmeceutical Product. 17th International Cocoa Research Conference (ICRC 2012). 15-20 October 2012. Yaounde, CAMEROON.</p> <p>82. Mahiran Basri, Siti Salwa Abd Gani, Nur Fariza Abdul Rahman, Mohd Basyaruddin Abdul Rahman, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Nano-engkabang formulations for cosmeceutical application. Malaysia Agriculture, Horticulture and Agrotourism International Show 2010 (MAHA International 2010). 26th November-5th December 2010. MARDI, Serdang, Selangor, MALAYSIA.</p> <p>83. Siti Salwa Abd Gani, Mahiran Basri, Nur Fariza Abdul Rahman, Mohd Basyaruddin Abdul Rahman, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Nano-engkabang formulations for cosmeceutical application. The World Exhibition on Innovation, Research and New Technologies (INNOVA). 18th -20th November 2010. (Silver Medal). Brussels, BELGIUM.</p> <p>84. Mahiran Basri, Siti Salwa Abd Gani, Mohd Basyaruddin Abdul Rahman, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Nano-engkabang formulations for cosmeceutical application. Malaysia Technology Expo. Putra World Trade Centre, Kuala Lumpur, Malaysia. 4th -6th February 2010.</p> <p>85. Siti Salwa Abd Gani, Mohd Rezuwan Shah Zakaria, Mahiran Basri, Chong Kah Huong, Mohd Basyaruddin Abdul Rahman, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Effect of</p>
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	<p>formation techniques on the particle size of cosmeceutical emulsions. Malaysia Science and Technology Congress. 9th -11th November 2010. Kuala Lumpur, MALAYSIA.</p> <p>86. Syafinaz Zainol, Mahiran Basri, Siti Salwa Abd Gani. Formulation of argan oil nano-emulsion system containing an organic sunscreen agent. Industrial Chemistry Seminar XIV. 10th April 2010. Dewan Kuliah Utama Fakulti Perubatan, Universiti Putra Malaysia, MALAYSIA. (The Best Poster).</p> <p>87. Mahiran Basri, Siti Salwa Abd Gani, Mohd Basyaruddin Abdul Rahman, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Nano-engkabang formulations for cosmeceutical application. Malaysia Technology Expo. 4th -6th February 2010. Putra World Trade Centre, Kuala Lumpur, MALAYSIA. (Bronze Medal)</p> <p>88. Siti Salwa Abd Gani, Mahiran Basri, Mohd Basyaruddin Abdul Rahman, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Nano-engkabang formulations for excellent skin hydration. Pameran Reka Cipta, Penyelidikan &amp; Inovasi (PRPI 09). 28th July 2009. Pusat Kebudayaan dan Kesenian Sultan Abdul Aziz Shah, Universiti Putra Malaysia, Selangor, MALAYSIA. (Silver Medal)</p> <p>89. Siti Salwa Abd Gani, Mahiran Basri, Mohd Basyaruddin Abdul Rahman, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Phase Behavior Study of Engkabang Fat and Engkabang Wax Ester using nonionic Surfactant. International Conference for Young Chemist. 16th -21th June 2008. Universiti Sains Malaysia, Penang, MALAYSIA.</p>
<p><i>Other publications</i></p> <p><i>Patent Filing</i></p>	<ol style="list-style-type: none"> <li>1. Siti Salwa Abd Gani, Mohd Izuan Effendi Halmi, Uswatun Hasanah Zaidan and Suzziyana Hosni. A Method Of Obtaining An Extract Containing Bioactive Compounds From Date Palm Kernels For Health Improvement. PI2019006802 (2019).</li> <li>2. Siti Salwa Abd Gani, Nur Illiyin Mohamed Roslan, Miskandar Mat Sahri. Palm-Based Blend Shortening And Method Of Producing Thereof. Malaysia Patent Filing. PI2019004211 (2019).</li> <li>3. Siti Salwa Abd Gani, Hasmah Bidin, Mahiran Basri, Emilia Abd. Malek. Cosmeceutical Formulation, Use Thereof and Method of Preparation Thereof. Malaysia Patent Filing. PI2014702545 (2014).</li> <li>4. Mahiran Basri, Siti Salwa Abd Gani, Nur Fariza Abd Rahman, Abu Bakar Salleh, Raja Noor Zaliha Raja Abd Rahman. Emulsion System Derived from Engkabang Fat Esters. United States Patent. Patent No. US8,598,236 B2, 3rd of December (2013).</li> <li>5. Mahiran Basri, Siti Salwa Abd Gani, Anuar Kassim, Abu Bakar Salleh, Raja Noor Zaliha Raja Abd Rahman, Zahariah Ismail. A topical applied formulation containing illipe fat and/or ester and a method producing the same. Malaysia Patent Filing. PI 20091192 (2009).</li> <li>6. Mahiran Basri, Siti Salwa Abd Gani, Nur Fariza Abdul Rahman, Abu Bakar Salleh, Raja Noor Zaliha Raja Abd Rahman. An emulsion system derives from engkabang fat esters. Malaysia Patent Filing. PI 20092650 (2009).</li> </ol>
<i>Computer software</i>	-

<b>H. PROJEK PENYELIDIKAN TERDAHULU(Past Research Project)</b>					
<i>Project No.</i>	<i>Project Title</i>	<i>Role</i>	<i>Year</i>	<i>Source of fund</i>	<i>Status</i>
PUTRA	<b>Siti Salwa Abd</b>	Universiti	10 <sup>th</sup>	RM115	On going

BERIMPAK Grant (9688800): In vitro and In Vivo Studies of Nanoemulsion Containing Selected Family of <i>Melastomataceae</i> Sp. For Topical Application	<b>Gani</b> , Masriana Hassan, Mohd Izuan Effendi Halmi, Sumaiyah Abdullah, Valerie Orsat	Putra Malaysia	August 2020-10 <sup>th</sup> August 2022	000	
FRGS- The Antioxidants and Functional Cosmeceuticals Properties of Leaves Extracts In Melastomataceae Family Species and its Potential for Stratum Corneum Applications	<b>Siti Salwa Abd Gani</b> , Uswatun Hasanah Zaidan and Mohd Izuan Effendi Halmi	Ministry of Education Malaysia	1 <sup>st</sup> January 2019-31 <sup>st</sup> December 2020	RM78 200	On going
FRGS-An Investigation on capability of chemically and biologically synthesized of gold nanoparticles functionalized with bromelain enzyme for ultra-sensitive colorimetric detection of Mercury (Hg <sup>2+</sup> ) in various samples	Mohd Izuan Effendi Bin Halmi, Samsuri Abd. Wahid, <b>Siti Salwa Abd Gani</b> , Mohd Yunus Abd. Syukor, Mohamad Faiz Zainuddin	Ministry of Education Malaysia	1 <sup>st</sup> January 2019-31 <sup>st</sup> December 2020	RM130 000	On going
PUTRA Grant – IPS (9647000): Synthesis and	<b>Siti Salwa Abd Gani</b> , Nor Fadzillah Mohd	Universiti Putra Malaysia	2 <sup>nd</sup> April 2018- 2 <sup>nd</sup> April	RM25 000	Completed

Optimization of Pitaya Seed Oil Esters Nanoemulsion for Cosmeceutical Application	Mokhtar, Uswatun Hasanah Zaidan, Asiah Abdullah		2020		
PUTRA Grant – IPS (9646900): Optimized the Extraction Yield of Hibiscus Sabrariffa by Statistical Method and Determine its Antioxidant Activities	<b>Siti Salwa Abd Gani</b> , Uswatun Hasanah Zaidan, Nur Royhaila Mohamad	Universiti Putra Malaysia	2 <sup>nd</sup> April 2018- 2 <sup>nd</sup> April 2020	RM25 000	Completed
Geran Kolaborasi antara universiti: Halal Healthcare and Personal Care Products: A Study on Legal and Syari'ah Perspectives	Zalina Zakaria (UM), Saadan Man (UM), <b>Siti Salwa Abd Gani (UPM)</b> , Nazariyah Yahya (USIM), Wan Mohd Azizi Wan Sulaiman( UIA), Betania Kartika Muflih (UIA)	Ministry of Higher Learning through Konsortium Institut Halal IPT Malaysia (KIHIM)	1 <sup>st</sup> Janury 2019- 31 <sup>st</sup> December 2019	RM160 000	Completed
PUTRA Grant-IPS (9519400) : Development and Characterization of Fatty Acid Sugar Ester (FASE) - Based Nanoformulation Cointaning Essential Oil Extracted from Stevia	Uswatun Hasanah Zaidan, <b>Siti Salwa Abd Gani</b> , Suhaili Shamsi	Universiti Putra Malaysia	1 <sup>st</sup> March 2017 – 1 <sup>st</sup> March 2019	RM15 000	Completed

rebaudiana Bertoni (Srb) for Topical Application					
PUTRA Grant-IPS (9651300): Chemical Identification, Antioxidative and Antidiabetic Potential of Pandanus Amaryllifolius Essential Oils from Different of Malaysia	Uswatun Hasanah Zaidan, <b>Siti Salwa Abd Gani</b> , Suhaili Shamsi, Maisarah Mohamed Zakaria	Universiti Putra Malaysia	1 <sup>st</sup> June 2018- 1 <sup>st</sup> June 2020	RM25 000	Completed
9550700 (RM150000)	PUTRA BERIMPAK Grant: The Evalaution of Functional Cosmetic Properties Exhibited by the Underutilize Pitaya Peels for the Formulation of Skincare Product	Project leader	1 <sup>st</sup> September 2017-31 <sup>st</sup> August 2019	UPM	Completed
9481900 (RM20000)	PUTRA Grant Soret and Dufour Effects on the Rayieigh-Benard Convection in nanofluids Layer	Member	1 April 2016- 1April 2018	UPM	Completed
6232200 (RM225000)	Profiling of Fatty Acid Methyl Esters (FAME) in Plant and Animal Oil Origin by using GCFID	Project leader	9 <sup>th</sup> November 2016- 9 <sup>th</sup> November 2017	Jabatan Kemajuan Islam Malaysia (JAKIM) RM225 000	Completed
9464500 (RM20000)	PUTRA Grant IPS UPM:	Project leader	1 <sup>st</sup> December	UPM	Completed

	Optimization and Characterization of Pitaya Seed Oil Esters via Enzymatic Esterification for Cosmeceutical Application		2015-1 <sup>st</sup> December 2017		
9457300 (RM20000)	PUTRA Grant IPS UPM: Development and Optimization of Organic Curcuma Zedoaria Based Nano-cosmeceuticals for Skin Care Applications	Project leader	1st Oct 2015-1st Oct 2017	UPM	Completed
9405500 (RM48000)	Geran UPM-Formation and Characterizations of Halal Lips Products from Hylocereus Polyrrhizus	Project leader	2013- Oct 2015	UPM	Completed
9361000 (RM7000)	RUGS-Formulation Optimization of Swiftlet Nest Based Nano-Cosmeceuticals	Project leader	2012-2014	UPM	Completed
9199851 (RM30000)	RUGS-Development of Pitaya Seed-Based Nano-Cosmeceutical Formulation	Project leader	2011-2013	UPM	Completed
(RM152000)	RUGS-Developing Palm Based Nanocosmeceutical	Member	2011-2013	UPM	Completed