

## CURRICULUM VITAE



1. Name: Assoc. Prof. ChM. Dr. Siti Salwa Abd Gani
2. Work Address: Department of Agriculture Technology, Faculty of Agriculture, Universiti Putra Malaysia, 43400, UPM Serdang, Selangor, Malaysia  
  
Tel. No.: +603-97694945  
  
Mobile Phone No.: +6019-6410977  
  
E-mail Address: ssalwaag@upm.edu.my
3. Academic Qualifications: PhD (Chemistry)
4. Field(s) of Specialization: Agriculture Technology, Phytochemistry, Medicinal Chemistry, Agronomy, Halal Products Development
5. Number of Postgraduate Students Supervised:

Program	Status	As a Chairman	As a Member
PhD	Graduated	6	5
	On going	5	2
Masters (with thesis)	Graduated	12	8
	On going	3	6

6. Number of Publications:

Publication	Quantity
Journal	89
Book	3
Chapter	

7. H- index : 13

8. List 10 Significant **Journal Publications** (Latest):

- 1) Antioxidants and Characterization of Stability and Organoleptic Properties of Cocoa Facial Mask. *Journal of Physics: Conference Series*. 1860 (2021) 012023. doi:10.1088/1742-6596/1860/1/012023 (2021)
- 2) Immobilization of Metanil Yellow Decolorizing Mixed Culture FN3 using Gelling Gum as Matrix for Bioremediation Application. *Sustainability (Switzerland)*. 13(1):1–18 (36) (2021)
- 3) Biostimulation of Microbial Communities from Malaysian Agricultural Soil for Detoxification of Metanil Yellow Dye; a Response Surface Methodological Approach. *Sustainability (Switzerland)*. 13(1):1–15 (138) (2021)
- 4) Optimizing Conditions for Microwave-Assisted Extraction of Polyphenolic Content and Antioxidant Activity of *Barleria lupulina* Lindl. *Plants*. 10(682) <https://doi.org/10.3390/plants10040682> (2021)
- 5) Evaluation of Constituents and Physicochemical Properties of Malaysian Underutilized *Ziziphus mauritiana* (Bidara) for Nutraceutical Potential. *International Journal of Fruit Science*. 20(3) :394-402 (2020)
- 6) Antioxidant and Antibacterial Properties of Melastomataceae Species (M. Malabathricum, M. Hirta, and M. Decemfidum). *Malaysian Journal of Chemistry*. 22(4): 117-124 (2020)
- 7) Optimization of the Antioxidant Activities of Mixtures of Melastomataceae Leaves Species (M. malabathricum Linn Smith, M. decemfidum, and M. hirta) Using a Simplex Centroid Design and Their Anti-Collagenase and Elastase Properties. *Applied Sciences*. 10 (7002). doi:10.3390/app10197002 (2020).
- 8) Comparative study on physical properties of cookies and dough made with palm-based shortening and lard. *Journal of Critical Reviews*. 7(8):1374-1378 (2020).
- 9) Comparative study on physical characteristics of palm-based shortening and lard. *Journal of Critical Reviews*. 7(8): 1368-1373 (2020).
- 10) Microbial Decolorization of Triazo Dye, Direct Blue 71: An Optimization Approach Using Response Surface Methodology (RSM) and Artificial Neural Network (ANN). *Biomed Research International*. Volume 2020, Article ID 2734135, <https://doi.org/10.1155/2020/2734135> (2020)

9. Achievements / Awards:

No	Name of awards	Title	Award Authority/Venue	Award Type/ Level	Year
1.	Academic Award (Bronze Medal)	Waste to Wealth: Manufacturing of Biodegradable Food Container by Utilizing Coconut Waste . Malaysia Technology Expo 2022	PROTEMP Exhibitions and Conferences Sdn. Bhd.	International	2022
2.	Academic Award (Silver Medal)	Date Palm Seed Coffee, A High Performance-Enhancing Beverage. 5 <sup>th</sup> International Innovation, Design and Articulation (I-IDEA™ 2020) -Crown Event A (Professional)	Uninersiti Teknologi Mara (UiTM) And Ministry of Education Malaysia	International	2021
3.	Academic Award (Bronze Medal)	Date Palm Seed Coffee, A High Performance-Enhancing Beverage. 32nd International Invention, Innovation & Technology Exhibition (ITEX)	Malaysia Invention And Design Society	International	2020
4.	Academic Award (Bronze Medal)	Halal Palm-based Shortening as Lard Substitute. Invention, Innovation & Design (IIDEX 2020)	Uninersiti Teknologi Mara (UiTM)	International	2020
5.	Academic Award	Enzymatic	Uninersiti	International	2020

	(Silver Medal)	Transesterification of Red Pitaya Seed Oil for Cosmeceutical Application Invention, Innovation & Design Exposition. (IIDEX 2020)	Teknologi Mara (UiTM)		
6.	Academic Award (Best Paper Award)	Characterization of Nutraceutical Properties of Date Palm (Phoenix dactylifera L.) Kernels. 6th International Conference on Applied Science and Technology (ICAST 2019) Kyoto University, JAPAN	Academic Research Society of Malaysia	International	2019
7.	Academic Award (Gold Medal)	Garbage to Glamour: All Hail Red Pitaya By-Products for Innovation and Bio-sustainable Age-defying Beauty. International Invention & Innovative Competition (InIIC Series 2/2019). 2nd November 2019. Selangor, MALAYSIA.	MNNF Network, Malaysia	International	2019
8.	Academic Award (Silver Medal)	The Unexplored Botanical Extracts: A New Horizon in	MNNF Network, Malaysia	International	2019

		Skin Anti- Aging Formulation. International Invention & Innovative Competition (InIIC Series 2/2019). 2nd November 2019. Selangor, MALAYSIA.			
9.	Academic Award (Gold Medal)	Lipase-catalyzed Synthesis of Red Pitaya (Hylocereus polyrhizus) Seed Oil Esters for Cosmeceutical Purpose. International Invention, Innovation & Design 2018 (IIID 2018)	Universiti Teknologi Mara (UiTM)	International	2018
10.	Academic Award (Silver Medal)	The Unexplored Botanical Extracts: A New Horizon in Anti-Aging Formulation. International EUREKA Innovation Exhibition	UniKL and MARA	International	2018
11.	Academic Award (Certificate)	Outstanding Contribution in Reviewing	LWT-Food Science and Technology Journal (Elsevier) 2017	International	2018
12.	Academic Award (Certificate)	Outstanding Contribution in Reviewing	Food Chemistry Journal (Elsevier) 2017	International	2018
13.	Academic Award (Certificate)	Certificate of Reviewing	Heliyon Journal (Elsevier) 2017	International	2018
14.	Letter of	Students' Mobility	Halal Products	University	2018

	Appreciation	Programme: Universiti Putra Malaysia to Universiti Islam Sultan Sharif Ali, Brunei	Research Institute, Universiti Putra Malaysia		
15.	Letter of Appreciation	PhD student was awarded as Outstanding Postgraduate Student in IPPH, UPM	Halal Products Research Institute, Universiti Putra Malaysia	University	2018
16.	Academic Award (Certificate of Appreciation)	PhD Student graduated on Time (GOT) in 2017 :Farah Payyadhah Borhan	School of Graduate Studies, Universiti Putra Malaysia	Universiti	2018
17.	Academic Award (Certificate of Excellence in Reviewing)	Outstanding Contribution to the Quality of the Journal	Asian Food Science Journal	International	2018
18.	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
19.	Academic Award (certificate of Appreciation)	MSc Student: Norsuhaili Kamairudin graduated on time (GOT)	Universiti Putra Malaysia	University	2016
20.	Academic Award (Silver Medal)	Optimization of Natural Lipstick Formulation Based on Pitaya (Hylocereus polyrhizus) Seed Oil Using D-Optimal	Universiti Putra Malaysia	University	2016

		Mixture Experimental Design. Pameran Rekacipta Penyelidikan dan Inovasi (PRPI)			
21.	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
22.	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
23.	Academic Award (Gold Medal)	Grange WCO- Skin Cream. Malaysia international Young Inventors Olympiad	Perda Mall, Penang, Malaysia	International	2016
24.	Academic Award (Gold Medal)	Himalayan Salts as Dermatitis Soap (HSDS). International Engineering, Invention dan Innovation Exhibition (I- ENVEX 2016)	Universiti Malaysia Perlis	International	2016
25.	Academic Award (Silver Medal)	Grange WCO- Skin Cream. International Engineering, Invention dan	Universiti Malaysia Perlis	International	2016

		Innovation Exhibition (I-ENVEX 2016)			
26.	Academic Award (Gold Medal and Special Award)	Grange WCO- Skin Cream. World Invention Innovation Contest	Chung Mu Art, Seoul, Korea	International	2016
27.	Academic award (Gold Medal)	Himalayan Salts as Dermatitis Soap (HSDS). Innovation, Invention and Design Exposition	UiTM Shah Alam, Malaysia	National	2016
28.	Academic award (Gold Medal)	Grange WCO- Skin Cream. Innovation, Invention and Design Exposition	UiTM Shah Alam, Malaysia	National	2016
29.	Award of Appreciation	Outstanding Service Award 2015 (Anugerah Perkhidmatan Cemerlang)	Universiti Putra Malaysia	University	2016
30.	Academic Award (Certificate)	Outstanding Contribution in Reviewing	Industrial Crops & Products Journal (Elsevier)	International	2016
31.	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
32.	Academic Award (Certificate of Appreciation)	Msc Student graduated on Time (GOT) :Nurfauwizah Azahar	School of Graduate Studies, Universiti Putra Malaysia	Universiti	2016
33.	Academic Award (Certificate)	Certificate of Reviewing	Industrial Crops & Products(Elsevier)	International	2015



34.	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
35.	Academic Award (Silver Medal)	Development and Characterization of Soap Formulation from Cooking Oil. Invention, Innovation & Design Exposition 2015.27- 30 April 2015	UiTM	National	2015
36.	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
37.	Academic award (Bronze Medal)	Naga Essence for Cosmeceutical Industry. International Conference and Exposition on Inventions by Institutional of Higher Learning (PECIPTA) 4-6 December 2015	Ministry of Education and UPSI	International	2015
38.	2nd Winner of Poster Competition	Potential use of OPLE in topical application.	Malaysia Palm Oil Board	International	2015

		International Palm Oil Congress and Exhibition (6-8 October 2015)			
39.	Press Conference	Putra Cipta siri 2/2015	Universiti Putra Malaysia	National	2015
40.	Academic Award (Gold Medal)	Optimization of Pitaya Seed Extract-based Nano-cosmeceutical Formulations using Response Surface Methodology (RSM). Pameran Rekacipta Penyelidikan dan Inovasi (PRPI), UPM	Universiti Putra Malaysia	University	2014
41.	Academic Award (Silver Medal)	Malaysia Agricultural Innovation Challenge (MAGIC)	Malaysian Agricultural Research and Development Institute (MARDI), Malaysia	National	2014
42.	Academic Award (BioInnovation Award- Bronze Medal)	Dr's Solutions for Skincare Biotechnology Asia Convention (19th -21st Nov 2014)	Malaysian Association of Research Scientists (MARS) and PROTEMP Group	International	2014
43.	Top 5 of The Best Poster	Antioxidant Properties of Cocoa Pod Extract for Development of Halal cosmeceutical Cream. 5th World Halal Research Summit	Halal Industry Development Corporation	International	2012
44.	Certificate of Appreciation	Outstanding Teaching Award	Centre of Foundation	Centre	2012

			Studies for Agricultural Science, Universiti Putra Malaysia		
45.	Certificate of Appreciation	Outstanding Service Award 2012	Universiti Putra Malaysia	University	2013
46.	Academic Award	Researcher of the Year	EMTECH Group, UPM	University	2010
47.	Academic Award (The Best Poster)	Formulation of argan oil nano- emulsion system containing an organic sunscreen agent. Seminar Kimia Industri XIV	Fakulti Sains, Universiti Putra Malaysia	University	2010
48.	Academic Award, PhD (Dean Gold Medal Award)	Anugerah Pelajar Cemerlang (For Postgraduate)	Faculty of Science, Universiti Putra Malaysia	Faculty	2010
49.	Academic Award, PhD (The Best PhD Student for Department of Chemistry)	Anugerah Pelajar Cemerlang (For Postgraduate)	Faculty of Science, Universiti Putra Malaysia	Faculty	2010
50.	Academic Award (Bronze Medal)	Nano-engkabang formulations for cosmeceutical application. Malaysia Technology Expo(MTE)	Malaysian Association of Research Scientists (MARS)	International	2010
51.	Academic Award (Silver Medal)	Nano-engkabang formulations for cosmeceutical application. The World Exhibition on Innovation, Research and New	Brussels, Belgium	International	2010

		Technologies (INNOVA) (18th -20th Nov 2010)				
52.	Academic Award (Silver Medal)	Pameran Rekacipta Penyelidikan dan Inovasi (PRPI), UPM	Universiti Putra Malaysia	Putra University		2009