

CURRICULUM VITAE

PERSONAL INFORMATION

Name : Sharifah Aminah Syed Mohamad

Faculty/Dept : School of Biology
Faculty of Applied Sciences,
Universiti Teknologi MARA,
40450 Shah Alam,
Selangor, Malaysia

Phone No : 03-55435593

E-mail : sharifah459@uitm.edu.my

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Designation : Lecturer (Assoc Prof)

Specialization : Microbiology, Molecular Microbiology, Biomedical Sciences

EDUCATION

PhD : PhD (Molecular Biology and Biotechnology)
University of Sheffield (2007)

MSc : MSc (Biomedical Sciences)
Glasgow Caledonian University (1997)

BSc : BSc (Hons) (Microbiology)
University Malaya (1994)

RESEARCH PROJECTS (PAST 5 YEARS)

No	Title	Duration	Project Code	Amount (RM)	Role
1	Neuroprotection properties of lactic acid bacteria isolated from penguin guano in Antarctic Region.	08/11/2021 - 07/11/2024	Yayasan Penyelidikan Antartik Sultan Mizan (YPASM)	150,000	Principal
2	Physicochemical Properties and Antibacterial Activity of Copper Coated Fabric by Electroless Plating	01/09/2021 - 31/08/2023	600-RMC/GPM ST 5/3 (016/2021)	20,000	Member
3	Gastrointestinal Adhesion and Invasion of Foodborne <i>Salmonella</i> Enterica	21/12/2020 - 16/08/2023	600-RMC/GPK 5/3 (016/2020)	20,000	Principal
4	Profiling of Bacterial Panicle Blight Disease In Infected Paddy Field In Malaysia By Phylogenetic Analysis	21/12/2020 - 16/08/2023	600-RMC/GPK 5/3 (099/2020)	20,000	Member
5	Unravelling Antibiotic Resistance Modulators From Actinobacteria Effective Against Multidrug Resistance Superbugs	01/09/2019 - 30/11/2022	600-IRMI/FRGS 5/3 (250/2019)	148,800	Member
6	In Vitro Invasion of <i>Salmonella</i> Enterica Isolated From Poultry Meats In Association With Antibiotic Resistance Pattern And Secretory Protein Profile In Determining The Virulence Potential	01/09/2019 - 30/11/2022	600-IRMI/FRGS-RACER 5/3 (005/2019)	51,200	Member
7	Enzymatically Hydrolysed Eggshell Membrane Biopeptides-Biocalcium Complex Binding Capacity And Bioavailability	01/09/2019 - 30/11/2022	600-IRMI/FRGS-RACER 5/3 (046/2019)	51,200	Member
8	EMT-Lentiviral Fluorescent Reporter System For The Identification Of Inhibitory And Reversal Activities Of Renal Fibrosis By Notch Inhibitors	01/09/2019 - 30/11/2022	600-IRMI/FRGS-RACER 5/3 (055/2019)	51,200	Member
9	Elucidation Of Polystyrene Degrading Bacteria From Selected Landfill Soil In Malaysia	01/07/2019 - 12/02/2022	600-IRMI 5/3/LESTARI (063/2019)	30,000	Principal
10	Inhibitory Metabolites From Actinomycetes Effective Against Drug Resistance Mechanisms In Gram-Positive Pathogens	01/01/2018 - 28/12/2020	600-IRMI/PERDANA 5/3 BESTARI (061/2018)	35,000	Principal

11	Antimicrobial Activities of Young Leaves and Whole Fruits of <i>Cynometra cauliflora</i>	01/07/2017 – 27/12/2020	600-IRMI/MyRA 5/3/LESTARI (168/2017)	20.000	Member
12	An Insight into Bile Salt Hydrolase (bsh) Gene from <i>Lactobacillus</i> spp. as a Potential Cholesterol Lowering Probiotic Bacteria	01/01/2018 – 31/12/2020	600-IRMI/DANA 5/3/BESTARI (P) (024/2018)	25.000	Member
	Characteristics of Lactic Acid Bacteria Communities from Three Stingless Bees in Malaysia	01/03/2017 – 02/03/2020	600- IRMI/MYRA 5/3/BESTARI (028/2017)	50,000	Principal

PUBLICATIONS

1. Potential of Carbofuran Degradation by Soil Bacteria in Malaysia: A Review. Rafiqah, R.N., Aminah, S.M.S., Helmy, Y.M., Norfatimah, M.Y., Roziah, K. Research Journal of Biotechnology. 2021, 16(12), pp. 209–226
2. Cell Viability, Physicochemical and Sensory Characteristics of Probiotic Coconut Juice During Cold Storage. Ajibola, O.O., Lihan, S., Hussaini, A., Sarbini, S.R., Mohamad, S.A.S. Journal of Sustainability Science and Management. 2021, 16(8)
3. A Review on In vitro Cell Culture Model for Bacterial Adhesion and Invasion: From Simple Monoculture to Co-Culture Human Intestinal Epithelium Model. 2021. Journal of Pharmaceutical Research International, 33(43B), pp. 97-106. doi: 10.9734/jpri/2021/v33i43B32530.
4. Study on Biofilm Formation and Multiplex PCR of icaABCD Operon in *Staphylococcus capitis*. Aziyah Abdul-Aziz, Mohamad Faiz Foong Abdullah, Sharifah Aminah Syed Mohamad. Current Aspects in Pharmaceutical Research and Development Vol. 3, 27 October 2021, Page 127-138.
5. Biofilm Formation and Multiplex PCR detection of icaABCD Operon in *Staphylococcus capitis*. Abdul-Aziz, A., Abdullah, M. F. F. and Mohamad, S. A. S. 2021. Journal of Pharmaceutical Research International, 33(34B), pp. 223-234. doi: 10.9734/jpri/2021/v33i34B31863.
6. Antibacterial activity and physicochemical characterization of calcium-aluminium-ciprofloxacin-layered double hydroxide. Jadam, M.L., Syed Mohamad, S.A., Zaki, H.M., Jubri, Z., Sarijo, S.H. Journal of Drug Delivery Science and Technology. 2021. 62, 102314
7. Frequency of *Mycoplasma pneumoniae*, *Legionella pneumophila* and *Chlamydia* spp. among patients with atypical pneumonia in Tehran. N. Noori Goodarzi, M. R. Pourmand, M. Rajabpour, M. Arfaatabar, M. Mosadegh and S. A. Syed Mohamad. New Microbe and New Infect. 2020. 37:100744.
8. ERIC-PCR fingerprint profiling and genetic diversity of coagulase negative staphylococcus in Malaysia. Abdul-Aziz, A., Mohamad, S.A.S., Zain, Z.M., Abdullah, M.F.F. Malaysian Journal of Microbiology. 2020. 16(1), pp. 7–16
9. Phenylpropanoids and flavones from *Asystasia gangetica* (L) T. Anderson var. *Micrantha* (Acanthaceae). Othman, I.A., Ahmat, N., Syed Mohamad, S.A. Research Journal of Chemistry and Environment. 2020. 24(2), pp. 107–110.
10. Human milk as a potential source for isolation of probiotic lactic acid bacteria: a mini review. Mustakim, M., Sinawat, S., Salleh, S.N., Purwati, E., Alias, R., Syed Mohamad S.A. Food Research 2020. 4 (2), 274-285 2020
11. Norisoprenoids from *Asystasia gangetica* (L) T. Anderson var. *micrantha* (Acanthaceae). Kamarozaman A.S., Athirah Othman I., Ahmat N., Syed Mohamad S.A. Planta Medica 2019. 85 (18), P-198
12. Isolation of three flavonoids and a phenolic compound from *Macaranga hypoleucaei*. Nazeri H.M., Ahmat N., Kamarozaman A.S., Azmin N.F.N., Zawawi N.K.N.A., Syed Mohamad S.A. Planta Medica 2019. 85 (18), P-179

13. Chemical constituents, molecular docking, and acetylcholinesterase inhibitory activity of *Macaranga gigantea*. Johari M.S.M., Ahmat N., Abu B.S.I., Kamarozman A.S., Syed Mohamad S.A. *Planta Medica*. 2019. 85 (18), P-144
14. Inhibition properties of Actinobacteria extracts towards β -lactam resistance. Faizal P.A., Ismail N.H., Mohamad Low A., Mat Jaya N., Kamal N.S., Kamarozaman A.S., Ahmat N., Syed Mohamad S.A. *Planta Medica* 2019. 85 (18), P-337
15. Schiff base ligands derived from phenylenediamine and its metal complexes as enhancer against two mechanisms of antibiotic resistance. Mat Jaya N., Ismail N.H., Mohamad Low A., Bahron H., Faizal P.A., Kamal N.A., Syed Mohamad S.A. *Planta Medica*. 2019. 85 (18), P-466
16. Isolation of tetramer stilbenoids from *Shorea leprosula* Miq., acetylcholinesterase inhibitory activity and molecular docking study. Kamarozaman A.S., Ahmat N., Johari M.S.M, Hafiz Z.Z., Adenan M.I., Syed Mohamad S.A. *Planta Medica*. 2019. 85 (18), P-178
17. Antimicrobial activity and antibiotic resistance of lactic acid bacteria isolated from Malaysian stingless bee's gut. Nurul Ammar Illani Jaafar, Wan Razarinah Wan Abdul Razak, Sharifah Aminah Syed Mohamad. *Malaysian Journal of Microbiology*. 2019.15 (4), 233-241
18. Screening and Identification of *Pasteurella multocida* Capsular Types among Animal Cases in Malaysia. Noor Syahira Mohd Kamal, Nurul Azlyn Azmi, Puteri Nur Aliah Wan Faizal, Nik Aznita Fazni Nik Azmi, Ramlan Mohamed, Nur Intan Hasbullah, Anis Low Muhammad Low, Sharifah Aminah Syed Mohamad. *International Journal of Pharmaceutical Research*. 2018. 10 (1)
19. A Rapid Assay to Screen for Resistance Modifying Activities of DNA Gyrase Inhibitors from Manure Compost Actinomycete Extracts. Mohd Faiz Foong Abdullah, Anis Low Muhammad Low, Rozaini Mohd Zohdi, Sharifah Aminah Syed Mohamad. *International Journal of Pharmaceutical Research*. 2018. 10 (1)
20. Probiotic Properties of Lactic Acid Bacteria from Goat's Milk. Sharifah Aminah Syed Mohamad, Puteri Nur Aliah Wan Faizal, Nik Aznita Fazni Nik Azni, Noor Nadia Syahira Mohamad Kamal, Nur Hasyimah Azman, Anis Low Muhammad Low, Nur Intan Hasbullah. *International Journal of Pharmaceutical Research*. 2018. 10 (1)
21. Potential Toxic Effects of Rind Extract from *Citrullus lanatus* and *Cucumis melo* towards Bacteria. Sharifah Aminah Syed Mohamad, Nur Intan Hasbullah, Safiah Sabrina Hasan. *International Journal of Pharmaceutical Research*. 2018. 10 (1)
22. Phytochemical Content and Antimicrobial Potential Against Foodborne and Spoilage Bacteria of Extracts from *Areca catechu* and *Passiflora edulis*. Nik Aznita Fazni Nik Azmi, Muhammad Hilmi Shairazi, Noor Nadia Syahira Mohd Kamal, Puteri Nur Aliah Wan Faizal, Nik Aznita Fazni Nik Azmi, Anis Low Muhammad Low, Nur Intan Hasbullah, Sharifah Aminah Syed Mohamad. *International Journal of Pharmaceutical Research*. 2018. 10 (1)
23. Chromatographic Characterization of Hypophyllantin and Phyllantin in Methanolic Extracts from Three Common Phyllanthus Species in Malaysia. M Fazliyatu Shazlyana, M Sharifah Aminah Syed, M Emi Norzehan Mohamad. *Planta Medica International Open* 2017; 4(S 01): S1-S202. 2017. DOI 10.1055/s-0037-1608519.

24. Lupeol and resveratrol from the stem bark of *Shorea ovalis* (Dipterocarpaceae). A Rosmawati Abdul, A Norizan, M Sharifah Aminah Syed. *Planta Medica International Open* 2017; 4(S 01): S1-S202. DOI 10.1055/s-0037-1608265.
25. An alternative rapid screening technique to detect β -lactamase inhibitor from mangrove actinomycete extracts. A Suhaidi, M Sharifah Aminah Syed, A Mohd Faiz Foong, A Norizan. *Planta Medica International Open* 2017; 4(S 01): S1-S2022017. DOI 10.1055/s-0037-1608328
26. Changes on polystyrene surface and biofilm formation as indication of biodegradation by soil microorganisms. F Mohd Fadhil Mohd, M Sharifah Aminah Syed, J Siti Norazura. *Planta Medica International Open*. 2017. DOI 10.1055/s-0037-1608184
27. Extraction Natural Dyes from Actinomycetes using Microwave Assisted Extraction. Y Wan Mohd Fathil Wan, M Sharifah Aminah Syed. *Planta Medica International Open*. 2017. DOI 10.1055/s-0037-1608263.
28. Characterization of Copper Coating Electrodeposited on Stainless Steel Substrate. Nik Norziehana Che Isa, Yusairie Mohd, Mohammad Hafizuddin Mohd Zaki and Sharifah Aminah Syed Mohamad. *Int. J. Electrochem. Sci.*, 12 (2017) 6010 – 6021. DOI 10.20964/2017.07.58.
29. Electrodeposition and characterization of copper coating on stainless steel substrate from alkaline solution containing EDTA. Nik Norziehana Che Isa, Yusairie Mohd, Sharifah Aminah Syed Mohamad, Mohammad Hafizuddin Mohd Zaki. *Journal of Mechanical Engineering* Vol. SI, No. 2(1), 127-138, 2017
30. Comparison of Energy and Performance from Biodegradation of Freeze Dried and Spray Dried Algae Biomass. Comparison of Energy and Performance from Biodegradation of Freeze Dried and Spray Dried Algae Biomass. Muhamad Haikal Zainal, Khairul Baqir Alkhair Khairul Amin, Oskar Hasdinor Hassan, Sharifah Aminah Syed Mohamad, Abd Malik Marwan Ali, Fathiah Abdullah and Muhd Zu Azhan Yahya. *PERTANIKA Journal of Science and Technology*. Vol. 25 (S) Mar. 2017
31. Antibacterial activity of copper coating electrodeposited on 304 stainless steel substrate. Nik Norziehana Che Isa, Yusairie Mohd, Sharifah Aminah Syed Mohamad, and Mohammad Hafizuddin Mohd Zaki. *AIP Conference Proceedings* 1901. 2017. DOI 10.1063/1.5010446
32. Identification and Antimicrobial Properties of Malaysian Mangrove Actinomycetes. Suhaidi Ariffin, Mohd Faiz Foong Abdullah, Sharifah Aminah Syed Mohamad *International Journal on Advanced Science, Engineering and Information Technology*, Vol. 7 (2017) No. 1, pages: 71-77. 2017. DOI 10.18517/ijaseit.7.1.1113
33. *In Vitro* Evaluations and *In Vivo* Toxicity and Efficacy Studies of MFM501 against MRSA. *BioMed Research International*. Saiful Azmi Johari, Mastura Mohtar, Sharifah Aminah Syed Mohamad, Mohd Fazli Mohammad, Rohana Sahdan, Azman Mohamed and Mohamad Jemain Mohamad Ridhwan *BioMed Research International* Volume 2017 (2017) DOI 10.1155/2017/8032865

TECHNICAL COMMITTEE AND CONSULTATION PROJECTS

1. Consultation Project - Sewage Treatment Plant Optimization (2009 – 2010)
Indah Water Konsortium (RM 79,000)
2. Technical Committee - Spices and Condiment for Preparation of Standard Malaysia.
SIRIM Berhad (2007 – 2010)

PROFESSIONAL MEMBERSHIP

Asian Federation of Biotechnology (AFOB) Malaysian Chapter. (Board & Life Member)

POSTGRADUATE SUPERVISION

Main Supervisor

No.	Students Name	MSc./PhD	Status
1	Noor Marian binti Muda	MSc	Graduated
2	Nur Azlyn binti Azmi	MSc	Graduated
3	Khalida Ain binti Kusnan	MSc	Graduated
4	Nor Azyla binti Azmi	MSc	Graduated
5	Nornanysya binti Feroze Khan	MSc	Graduated
6	Wan Mohd Fathil Wan Yusoff	MSc	Graduated
7	Suhaidi bin Ariffin	PhD	Graduated
8	Aziyah binti Abdul Aziz	PhD	Graduated
9	Saiful Azmi Johari	PhD	Graduated
10	Noor Nadia Syahira Mohd Kamal	MSc	Graduated
11	Puteri Nur Aliah Wan Mohd Faizal	MSc	Graduated
12	Nur Shahida Mat Jaya	MSc	Graduated
13	Rabiatul Adawiyah Mohd Khalil	MSc	Graduated
14	Intan Azzween Natasha Ahmad Razi	MSc	On going
15	Nur Intan Hasbullah	PhD	On going
16	Nurul Azyla Azmi	PhD	On going
17	Anis Syahirah Saifor Adzuan	MSc	On going

Co-Supervisor

No.	Students Name	MSc./PhD	Status
1	Wan Zuraida Wan Mohd Zain	PhD	Graduated
2	Anis Low bin Mohamad Low	PhD	Graduated
3	Muhammad Haikal bin Zainal	PhD	Graduated
4	Khairul Baqir AlKhir	PhD	Graduated
5	Nik Norziehana Binti Che Isa	PhD	Graduated
6	Hamizah Mokhtar	PhD	Graduated
7	Monica Limau Anak Jadam	PhD	Graduated
8	Nurul Hamirah Kamsani	MSc (MD780)	Graduated
9	Luqman bin Saidi	MSc	Graduated
10	Anis Syahirah Abu Bakar	MSc	Graduated
11	Wan Nurul Hidayah Wan Anuar	MSc	Graduated
12	Nurul Ammar Illani Binti Jaafar	MSc	Graduated
13	Joana Noor Rashidah binti Rosli	MSc	On going
14	Masnita Fatihah binti Md Zahir	MSc	On going
15	Nabihah Raihanah Tajul Anuar	MSc	On going
16	Nur Farah Syahirah binti Abd Kadir	MSc	On going
17	Siti Aisyah Ghazali	PhD	Graduated

