

**CURRICULUM VITAE****A. BUTIR-BUTIR PERIBADI (Personal Details)**

Nama Penuh (Full Name)	<b>Suriana Sabri</b>		Gelaran (Title): <b>Assoc. Prof. Dr.</b>
No. MyKad / No. Pasport (Mykad No. / Passport No.)	Warganegara (Citizenship) <b>Malaysia</b>	Bangsa (Race) <b>Malay</b>	Jantina (Gender) <b>Female</b>
Jawatan (Designation) <b>Associate Professor</b>	Agama (Religion) <b>Islam</b>	Tarikh Lahir (Date of Birth)	<b>07-11-1982</b>

Alamat Semasa (Current Address)	Jabatan/Fakulti (Department/Faculty)	E-mel dan URL (E-mail Address and URL)
<b>17, Jalan Seri Putra 2/4B, Bandar Seri Putra, Bangi, 43000 Kajang, Selangor, Malaysia.</b>	<b>Jabatan Mikrobiologi, Fakulti Bioteknologi dan Sains Biomolekul, 43400 UPM Serdang, Selangor, Malaysia. Tel: 03-97698298 Fax: 03-97697510</b>	E-mail: <b>suriana@upm.edu.my</b>  URL: <b>www.biotech.upm.edu. my</b>  H/P: <b>012-5685647</b>

**B. KELAYAKAN AKADEMIK (Academic Qualification)**

Nama Sijil / Kelayakan (Certificate / Qualification obtained)	Nama Sekolah Institusi (Name of School / Institution)	Tahun (Year obtained)	Bidang pengkhususan (Area of Specialization)
PhD	The University of Queensland	2013	Metabolic Engineering
Master Sains	Universiti Putra Malaysia	2007	Microbial Biotechnology
Bachelor Sains (Kepujian)	Universiti Putra Malaysia	2004	Microbiology

**C. KEMAHIRAN BAHASA (Language Proficiency)**

Bahasa / Language	Lemah Poor (1)	Sederhana Moderate (2)	Baik Good (3)	Amat Baik Very good (4)	Cemerlang Excellent (5)
English				/	
Bahasa Melayu					/

**D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN (Scientific experience and Specialization)**

<b>Organization</b>	<b>Position</b>	<b>Start Date</b>	<b>End Date</b>	<b>Expertise</b>
Australian Institute for Bioengineering and Nanotechnology	Research Higher Degree Student	18/06/2008	31/10/2012	Microbiology, synthetic biology, molecular biology, genetic engineering and metabolic engineering
Enzyme and Microbial Technology Research Center	Researcher	01/04/2014	31/12/2018	Microbiology, synthetic biology, molecular biology, genetic engineering and metabolic engineering
Universiti Putra Malaysia	Open and Distance Learning (ODL) development panel of expert	9/1/2023	30/6/2025	Curriculum development and outcome-based education
Ministry of Higher Education	Service Learning Malaysia-University for Society (SULAM) Coordinator	10/7/2022	30/6/2025	Curriculum development and outcome-based education
Universiti Putra Malaysia	Service Learning Malaysia-University for Society (SULAM) Coordinator	11/2/2022	30/6/2025	Curriculum development and outcome-based education
Canadian Journal of Infectious Disease and Medical Microbiology	Editorial Board	1/9/2025	31/8/2026	Microbiology
Centre for Academic Development and Leadership Excellence	Editorial board Putra ACADeMIA - CADe-Lead newsletter	1/3/2022	30/6/2025	Curriculum development and outcome-based education

### **E. PEKERJAAN (Employment)**

<i>Majikan / Employer</i>	<i>Jawatan / Designation</i>	<i>Jabatan / Department</i>	<i>Tarikh lantikan / Start Date</i>	<i>Tarikh tamat / Date Ended</i>
Universiti Putra Malaysia	Tutor	Microbiology	07/04/2005	17/11/2013
Universiti Putra Malaysia	Senior Lecturer	Microbiology	18/11/2013	31/12/2019
Universiti Putra Malaysia	Associate Professor	Microbiology	1/1/2020	-

Universiti Putra Malaysia	Deputy Director	Centre for Academic Development, CADe, UPM	15/1/2022	14/1/2023
Universiti Putra Malaysia	Deputy Director	Centre for Academic Development and Leadership Excellence, CADe-Lead, UPM	15/1/2023	31/3/2024
Universiti Putra Malaysia	Deputy Director	Centre for Academic Development and Leadership Excellence, CADe-Lead, UPM	1/4/2024	30/6/2025

**F. ANUGERAH, HADIAH DAN PENAJAAN** (*Honours, Awards and sponsorship*)

No	Title	Award Authority	Award Type	Year
1	JPA scholarship	Public Service Department (JPA)	National	2001-2004
2	ICI Dulux Best Student Award	Faculty of Science and Environmental Studies	University	2004
3	National Science Foundation Scholarship	MOSTI	National	2004 - 2007
4	Skim Latihan Akademik IPTA	Ministry of Education	National	2008
5	Sijil Perkhidmatan Cemerlang 2008	Universiti Putra Malaysia	University	2008
6	Sijil Perkhidmatan Cemerlang 2015	Universiti Putra Malaysia	University	2015
7	Second Prize Winner Best Poster Presentation (Metabolic profiling of a newly isolated methylotrophic yeast)	Malaysian Society for Microbiology	University	2016
8	Sijil Perkhidmatan Cemerlang 2016	Universiti Putra Malaysia	University	2017
9	Sponsored participant in Joint ICGEB-ICTP-APCTP Workshop on Systems Biology and Molecular Economy of Microbial Communities - Trieste, Italy	International Centre for Genetic Engineering and Biotechnology	International	2017
10	Sijil Perkhidmatan Cemerlang 2017	Universiti Putra Malaysia	University	2018
11	Mini Symposium of the Phenotype Microarrays Award 2017	Focus Biotech Sdn Bhd	National	2018
12	Sponsored participant ICGEB Course "Development of enzymes and microbial technologies for clean energy - New Delhi, India	International Centre for Genetic Engineering and Biotechnology	International	2019

13	Anugerah Perkhidmatan Cemerlang 2018	Universiti Putra Malaysia	University	2019
14	Best Poster Award Discovery of antimicrobial peptide from <i>Bacillus velezensis</i> strain PD9 with inhibitory activity against Methicillin resistant <i>Staphylococcus aureus</i>	SAES 2019	International	2019
15	Sijil Perkhidmatan Cemerlang 2019	Universiti Putra Malaysia	University	2020
16	Sijil Perkhidmatan Cemerlang 2020	Universiti Putra Malaysia	University	2021
17	Best poster award	9 <sup>th</sup> Malaysian International Seminar on Antarctica	International	2021
18	Sijil Perkhidmatan Cemerlang 2021	Universiti Putra Malaysia	University	2022
19	Gold Medal - “ Young Scientist Exploring the World of Microbes: Cultivating Passion for STEM Through Service Learning in Microbiology Course”	Putra InnoCreative Poster Competition, International Putra InnoCreative Carnival in Teaching ad Learning 2022	National	2022
20	Bronze Medal - “Quick and Easy Thesis Formatting Using Dr. SS Thesis Template”	Putra InnoCreative Poster Competition, International Putra InnoCreative Carnival in Teaching ad Learning 2022	National	2022
21	Best poster award (Characterization of antimicrobial compounds from <i>Bacillus velezensis</i> PD9)	The International Conference on Bioprocessing and Biomanufacturing	National	2023
22	Best poster award (Evaluation of the antimicrobial susceptibility of <i>Bacillus velezensis</i> PD9 cell-free supernatant and methanolic extract against methicillin-resistant <i>Staphylococcus aureus</i> )	International Postgraduate Symposium in Biology, Biotechnology and Bioengineering	International	2023
23	Best student presenter award (Evaluation of the Antimicrobial Susceptibility of <i>Bacillus velenzensis</i> PD9 Butanolic extract against Methicillin-Resistant <i>Staphylococcus aureus</i> )	2nd International Conference on Clinical and Applied Microbiology	International	2023

24	Sijil Perkhidmatan Cemerlang 2022	Universiti Putra Malaysia	University	2023
25	Gold Medal “Beyond The Lab: E-portfolios enhancing Reflective Learning in Microbiology)	Putra InnoCreative Poster Competition, International Putra InnoCreative Carnival in Teaching and Learning 2023	National	2023
26	Gold Medal “Cultivating Microbiology excellence: The Impact of Experiential Learning in A Volunteer Internship Program For Undergraduate and Postgraduate Students”	International Teaching and Learning Biology 2023	National	2023
27	Sijil Perkhidmatan Cemerlang 2023	UPM	University	2024
28	Sijil Pencapaian Cemerlang “Top 3 (Publication)” 2023	Faculty of Biotechnology and Biomolecular Sciences	Faculty	2024
29	Sijil Sumbangan Cemerlang Inisiatif Pembangunan Akademik dan Kecemerlangan Kepemimpinan (Certificate of Excellence in Academic Development Initiatives and Leadership Excellence)	Bulan Pendidik UPM 2024	University	2024
30	Sijil Perkhidmatan Cemerlang 2024	UPM	University	2025

**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)**

<i>Journal</i>	<p><b>Number of articles: 87 (As of 22nd September 2025)</b>  <b>Citation: Scopus (1860), Google Scholar (2451)</b>  <b><i>h</i>-index: Scopus (27), Google Scholar (27)</b></p> <ol style="list-style-type: none"> <li>Puan, S. L., Erriah, P., Yahaya, N. M., Ali, M. S. M., Ahmad, S. A., Oslan, S. N., ... &amp; Sabri, S. (2025). Genome-Guided Identification and Characterisation of Broad-Spectrum Antimicrobial Compounds of <i>Bacillus velezensis</i> Strain PD9 Isolated from Stingless Bee Propolis. <i>Probiotics and Antimicrobial Proteins</i>, 1-24. <b>Q1</b></li> <li>Erriah P, Puan SL, Yahaya NM, Kamil WNIWA, Nordin SA, Muhamad A, Sabri S (2025). Harnessing bacterial antimicrobial peptides: a comprehensive review on properties, mechanisms, applications, and challenges in combating antimicrobial resistance. <i>J Appl Microbiol</i>. 2024 Nov 18:lxae290. doi: 10.1093/jambio/. Epub ahead of print. PMID: 39558882. <b>Q2</b></li> <li>Lim, S. J., Noor, N. D. M., Sabri, S., Ali, M. S. M., Kumari, P., Kumari, S., ... &amp; Oslan, S. N. (2025). Elucidating the Virulence Roles of Secreted Aspartyl Proteinase (Sap1972) in <i>Non-albicans Meyerozyma guilliermondii</i> through Construction of a Structure-guided Mutant. <i>Microbial Pathogenesis</i>, 107937. <b>Q2</b></li> </ol>
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4. Yap, How Swen, Farah Eryssa Khalid, Rasidnie Razin Wong, Peter Convey, Suriana Sabri, Khalilah Abdul Khalil, Azham Zulkharnain, Faradina Merican, Hasrizal Shaari, and Siti Aqlima Ahmad (2025). Optimisation of diesel-degradation and growth kinetic modelling by Antarctic *Janthinobacterium lividum*. *Biocatalysis and Agricultural Biotechnology*, 103573. Scopus-indexed.
5. Lim, S. J., Muhd Noor, N. D., Sabri, S., Mohamad Ali, M. S., Salleh, A. B., & Oslan, S. N. (2025). Features of the rare pathogen *Meyerozyma guilliermondii* strain SO and comprehensive in silico analyses of its adherence-contributing virulence factor agglutinin-like sequences. *Journal of Biomolecular Structure and Dynamics*, 1-21. **Q1**
6. Seevanathan, Y., Zawawi, N., Salleh, A. B., Oslan, S. N., Ashaari, N. S., Hamzah, A. S. A., & Sabri, S. (2024). Trehalulose: Exploring Its Benefits, Biosynthesis, and Enhanced Production Techniques. *Carbohydrate Research*, 109293. **Q2**
7. Siti Hajar Yusof, Adam Thean Chor Leow, Raja Noor Zaliha Raja Abd Rahman, Mohamad Syazwan Ngalimat, Si Jie, Lim, Suriana Sabri (2024). Plasmid-based and genome-based expression of recombinant T1 lipase in sucrose-utilizing *E. coli* strain W. *Asia Pacific Journal of Molecular Biology and Biotechnology*. 32(3) 113-127. **Scopus indexed**
8. Haryani, Y., Halid, N. A., Goh, S. G., Nor-Khaizura, M. A. R., Hatta, M. A. M., Sabri, S., ... & Hasan, H. (2024). Efficient metabolic pathway modification in various strains of lactic acid bacteria using CRISPR/Cas9 system for elevated synthesis of antimicrobial compounds. *Journal of Biotechnology*, 395, 53-63. **Q1**
9. Lim, S. J., Noor, N. D. M., Sabri, S., Ali, M. S. M., Salleh, A. B., & Oslan, S. N. Extracellular BSA-degrading SAPs in the rare pathogen of *Meyerozyma guilliermondii* strain SO as potential virulence factors in candidiasis. *Microbial pathogenesis*, 106773. **Q2**
10. Bello, M. N., Sabri, S., Mohd Yahaya, N., Mohd Shariff, F., & Mohamad Ali, M. S. (2024). Catalytically active inclusion bodies as a potential tool for biotechnology. *Biotechnology and Applied Biochemistry*. **Q3**
11. Mohd Rasid, N. H., Abdul Halid, N., Ai-Lian, A. S., Sabri, S., Abd Rahim, M. H., Saari, N., & Hasan, H. (2024). Rerouting the Metabolic Pathway in *Lactococcus lactis* ATCC 11454 to Improve Nisin Productivity by Disrupting Lactate Dehydrogenase (ldh). *Food Biotechnology*, 38(2), 180-194. **Q4**
12. Mahyon, N. I., Sabri, S., Jijew, G. C., Salleh, A. B., Leow, T. C., Lim, S. J., ... & Oslan, S. N. (2024). 1-Dodecanol as Potential Inducer for the FAO1 Promoter (PFAO1) in Morphologically Identified *Meyerozyma guilliermondii* Strain SO. *Arabian Journal for Science and Engineering*, 1-15. **Q2**
13. Yap, H. S., Khalid, F. E., Wong, R. R., Convey, P., Sabri, S., Khalil, K. A., ... & Ahmad, S. A. (2024). Diesel- biodegradation and biosurfactant- production by *Janthinobacterium lividum* AQ5-29 and *Pseudomonas fildesensis* AQ5-41 isolated from Antarctic soil. *International Biodeterioration & Biodegradation*, 188, 105731. **Q1**
14. Lim, S. J., Noor, N. D. M., Sabri, S., Ali, M. S. M., Salleh, A. B., & Oslan, S. N. (2024). Bibliometric Analysis and Thematic Review of *Candida* Pathogenesis: Fundamental Omics to Applications as Potential Antifungal Drugs and Vaccines. *Medical Mycology*, myad126-myad126. **Q1**

15. Fam Jye Ping, Suriana Sabri, Syarul Nataqain Baharum, Lorraine Eseoghene Okijie, Siti Nur Hazwani Oslan, Abu Bakar Salleh, Siti Nurbaya Oslan (2023). Fatty acid as the potential inducer for recombinant lipase expression in *Meyerozyma guilliermondii* strain SO. *Malaysian Journal of Biochemistry and Molecular Biology*, 26, 66-75 **Scopus**
16. Kai L. Sim, Radin S.R. Yahaya, Suriana Sabri and Lai-Yee Phang. 2023. Chicken Feather as a Bioresource to Produce Value-added Bioproducts. In S. Abd-Aziz, M. Gozan, M. F. Ibrahim & L. Y. Phang (Eds.), *Chemical Substitutes from Agricultural and Industrial By-Products: Bioconversion, Bioprocessing, and Biorefining*. Wiley-VCH. 10.1002/9783527841141.ch7
17. Chan, L. C., Mat Yassim, A. S., Ahmad Fuaad, A. A. H., Leow, T. C., Sabri, S., Radin Yahaya, R. S., & Abu Bakar, A. M. S. (2023). Inhibition of SARS-CoV-2 3CL protease by the anti-viral chimeric protein RetroMAD1. *Scientific Reports*, 13(1), 20178. **Q1**
18. Sundaraj, Y., Abdullah, H., Nezhad, N. G., Rodrigues, K. F., Sabri, S., & Baharum, S. N. (2023). Cloning, Expression and Functional Characterization of a Novel  $\alpha$ -Humulene Synthase, Responsible for the Formation of Sesquiterpene in Agarwood Originating from *Aquilaria malaccensis*. *Current Issues in Molecular Biology*, 45(11), 8989-9002. **Q3**
19. Addenan, N. A., Ngalimat, M. S., Abd Rahman, R. N. Z. R. Donepudi R., Nasir NAM, Jaafar MS & Sabri, S (2023). Evaluation of Calcium Carbonate Precipitation by *Bacillus* spp. Isolated from Stingless Bee Products. *Sains Malaysiana*, 52(6), 1723-1735. **Q4**
20. Puan, S. L., Erriah, P., Baharudin, M. M. A. A., Yahaya, N. M., Kamil, W. N. I. W. A., Ali, M. S. M., ... & Sabri, S. (2023). Antimicrobial peptides from *Bacillus* spp. and strategies to enhance their yield. *Applied Microbiology and Biotechnology*, 1-25. **Q1**
21. Zulkhairi Amin, F. A., Shafiq Cheng, M. Z., Sabri, S., Ismail, N., Chan, K. W., Mohd Esa, N., ... & Zawawi, N. (2023). In Vivo Toxicity Assessment of the Probiotic *Bacillus amyloliquefaciens* HTI-19 Isolated from Stingless Bee (*Heterotrigona itama*) Honey. *Nutrients*, 15(10), 2390. **Q1**
22. Shah, F. L. A., Baharum, S. N., Goh, H. H., Leow, T. C., Ramzi, A. B., Oslan, S. N., & Sabri, S. (2023). Molecular cloning and in silico analysis of chalcone isomerase from *Polygonum minus*. *Molecular Biology Reports*, 1-12. **Q3**
23. Mohd Rasid, N. H., Abdul Halid, N., Song, A. A. L., Sabri, S., Saari, N., & Hasan, H. (2023). Effects of Individual and Combined Fermentation Factors on Antimicrobial Activity of Nisin by *Lactococcus lactis* ATCC 11454. *Molecular Biotechnology*, 1-10. **Q3**
24. Mohamat, R.N.; Noor, N.R.A.M.; Yusof, Y.A.; Sabri, S.; Zawawi, N. (2023). Differentiation of High-Fructose Corn Syrup Adulterated Kelulut Honey Using Physicochemical, Rheological, and Antibacterial Parameters. *Foods*, 12, 1670. <https://doi.org/10.3390/foods12081670> **Q1**
25. Rahman, N. N. A., Sharif, F. M., Kamarudin, N. H. A., Ali, M. S. M., Aris, S. N. A. M., Jonet, M. A., Rahman, R.N.Z.R.A., Sabri, S. & Leow, T. C. (2023). X-ray crystallography of mutant GDSL esterase S12A of *Photobacterium marinum* J15. *3 Biotech*, 13(5), 1-9. **Q3**
26. Haryani, Y., Halid, N. A., Guat, G. S., Mar, N. K., Hatta, A., Sabri, S., Radu, S. & Hasan, H. (2023). Characterisation, molecular identification, and antimicrobial activity of lactic acid bacteria isolated from selected fermented foods and beverages in Malaysia. *FEMS Microbiology Letters*, fnad023. **Q4**

27. Darham, S., Zakaria, N. N., Zulkharnain, A., Sabri, S., Khalil, K. A., Merican, F., Gomez-Fuentes, C., Lim, S. & Ahmad, S. A. (2023). Antarctic heavy metal pollution and remediation efforts: state of the art of research and scientific publications. *Brazilian Journal of Microbiology*, 1-16. **Q4**
28. Khalid, F. E., Zakaria, N. N., Azmi, A. A., Shaharuddin, N. A., Sabri, S., Khalil, K. A., ... & Ahmad, S. A. (2023). Guinea Grass (*Megathyrus maximus*) Fibres as Sorbent in Diesel Bioremediation. *Sustainability*, 15(5), 3904. **Q2**
29. Haryani, Yuli, Nadrah Abdul Halid, Goh Sur Guat, Mahmud Ab Rashid Nor-Khaizura, Muhammad Asyraf Md Hatta, Suriana Sabri, Son Radu, and Hanan Hasan. "High prevalence of multiple antibiotic resistance in fermented food-associated lactic acid bacteria in Malaysia." *Food Control* (2023): 109558. **Q1**
30. Zainudin, R. A., Sabri, S., Salleh, A. B., Abu, A., Khairuddin, R. F. R., & Oslan, S. N. (2023). In silico identification of prospective virulence factors associated with candidiasis in *Meyerozyma guilliermondii* strain SO from genome dataset. *Egyptian Journal of Medical Human Genetics*, 24(1), 1-13.
31. Yahaya, R. S. R., Phang, L. Y., Normi, Y. M., Abdullah, J. O., Ahmad, S. A., & **Sabri, S.** (2022). Feather-Degrading *Bacillus cereus* HD1: Genomic Analysis and Its Optimization for Keratinase Production and Feather Degradation. *Current Microbiology*, 79(6), 1-15. **Q4**
32. Rahman, R. N. Z. R. A., Latip, W., Adlan, N. A., Sabri, S., & Ali, M. S. M. (2022). Bacteria consortia enhanced hydrocarbon degradation of waxy crude oil. *Archives of Microbiology*, 204(12), 1-13. **Q4**
33. Puvanasundram, P., Chong, C. M., Sabri, S., Yusoff, M. S. M., Lim, K. C., & Karim, M. (2022). Efficacy of Single and Multi-Strain Probiotics on In Vitro Strain Compatibility, Pathogen Inhibition, Biofilm Formation Capability, and Stress Tolerance. *Biology*, 11(11), 1644. **Q1**
34. Kusnin, N., Yusof, N. A., Mutalib, N. A. A., Mohammad, F., Abdullah, J., **Sabri, S.**, ... & Soleiman, A. A. (2022). Enhanced Electrochemical Conductivity of Surface-Coated Gold Nanoparticles/Copper Nanowires onto Screen-Printed Gold Electrode. *Coatings*, 12(5), 622. **Q2**
35. Song, Adelene Ai-Lian, **Sabri, Suriana** & Ismail, Saila (2022). Service-learning in microbiology during the pandemic: A Malaysian perspective. *Malaysian Journal of Microbiology*, 18(2), 128-135. **Scopus indexed**
36. Zahri, K. N. M., Khalil, K. A., Gomez-Fuentes, C., Zulkharnain, A., **Sabri, S.**, Convey, P., Lim Sooa & Ahmad, S. A. (2021). Mathematical Modelling of Canola Oil Biodegradation and Optimisation of Biosurfactant Production by an Antarctic Bacterial Consortium Using Response Surface Methodology. *Foods*, 10(11), 2801. **Q2**
37. Khalid, F. E., Ahmad, S. A., Zakaria, N. N., Shaharuddin, N. A., **Sabri, S.**, Azmi, A. A., Khalil, K. A. Gayathiri Verasoundarapandian, Claudio Gomez-Fuentes & Zulkharnain, A. (2021). Application of Cogon Grass (*Imperata cylindrica*) as Biosorbent in Diesel-Filter System for Oil Spill Removal. *Agronomy*, 11(11), 2273. **Q1**
38. Puvanasundram, P., Chong, C. M., **Sabri, S.**, Yusoff, M. S., & Karim, M. (2021). Multi-strain probiotics: Functions, effectiveness and formulations for aquaculture applications. *Aquaculture Reports*, 21, 100905. **Q1**

39. Zahri, Khadijah N.M., Claudio Gomez-Fuentes, **Suriana Sabri**, Azham Zulkharnain, Khalilah A. Khalil, Sooa Lim, and Siti A. Ahmad (2021). Evaluation of Heavy Metal Tolerance Level of the Antarctic Bacterial Community in Biodegradation of Waste Canola Oil. *Sustainability* **2021**, *13*, 10749. **Q2**
40. Lim, S. J., Ali, M. S. M., **Sabri, S.**, Noor, N. D. M., Salleh, A. B., & Oslan, S. N. (2021). Opportunistic yeast pathogen *Candida* spp.: Secreted and membrane-bound virulence factors. *Medical Mycology*. myab053 **Q1**
41. Hamdan, S. H., Maiangwa, J., Ali, M. S. M., Normi, Y. M., **Sabri, S.**, & Leow, T. C. (2021). Thermostable lipases and their dynamics of improved enzymatic properties. *Applied Microbiology and Biotechnology*, 1-26. **Q1**
42. Ashaari, N. S., **Sabri, S.**, Lai, K. S., Song, A. A. L., Abdul Rahim, R., & Ong Abdullah, J. (2021). Kinetic studies and homology modeling of a dual-substrate linalool/nerolidol synthase from *Plectranthus amboinicus*. *Scientific Reports*, *11*(1), 1-16. **Q1**
43. Baharudin, M. M. A. A., Ngalimat, M. S., Mohd Shariff, F., Balia Yusof, Z. N., Karim, M., Baharum, S. N., & **Sabri, S.** (2021). Antimicrobial activities of *Bacillus velezensis* strains isolated from stingless bee products against methicillin-resistant *Staphylococcus aureus*. *PloS one*, *16*(5), e0251514. **Q2**
44. Yahaya, R. S. R., Normi, Y. M., Phang, L. Y., Ahmad, S. A., Abdullah, J. O., & **Sabri, S.** (2021). Molecular strategies to increase keratinase production in heterologous expression systems for industrial applications. *Applied Microbiology and Biotechnology*, 1-15. **Q1**
45. Ngalimat, M. S., Yahaya, R. S. R., Baharudin, M. M. A. A., Yaminudin, S. M., Karim, M., Ahmad, S. A., & **Sabri, S.** (2021). A review on the biotechnological applications of the operational group *Bacillus amyloliquefaciens*. *Microorganisms*, *9*(3), 614. **Q2**
46. Zahri, K. N. M., Zulkharnain, A., Gomez-Fuentes, C., **Sabri, S.**, Abdul Khalil, K., Convey, P., & Ahmad, S. A. (2021). The Use of Response Surface Methodology as a Statistical Tool for the Optimisation of Waste and Pure Canola Oil Biodegradation by Antarctic Soil Bacteria. *Life*, *11*(5), 456. **Q2**
47. Darham, S., Zahri, K. N. M., Zulkharnain, A., **Sabri, S.**, Gomez-Fuentes, C., Convey, P., Khalilah Abdul Khalil & Ahmad, S. A. (2021). Statistical optimisation and kinetic studies of molybdenum reduction using a psychrotolerant marine bacteria isolated from Antarctica. *Journal of Marine Science and Engineering*, *9*(6), 648. **Q2**
48. Zakaria, N. N., Gomez-Fuentes, C., Abdul Khalil, K., Convey, P., Roslee, A. F. A., Zulkharnain, A., **Suriana Sabri**, Noor Azmi Shaharuddin, Leyla Cárdenas & Ahmad, S. A. (2021). Statistical optimisation of diesel biodegradation at low temperatures by an Antarctic marine bacterial consortium isolated from non-contaminated seawater. *Microorganisms*, *9*(6), 1213. **Q2**
49. Yap, H. S., Zakaria, N. N., Zulkharnain, A., **Sabri, S.**, Gomez-Fuentes, C., & Ahmad, S. A. (2021). Bibliometric Analysis of Hydrocarbon Bioremediation in Cold Regions and a Review on Enhanced Soil Bioremediation. *Biology*, *10*(5), 354. **Q1**
50. Zakaria, N.N.; Convey, P.; Gomez-Fuentes, C.; Zulkharnain, A.; **Sabri, S.**; Shaharuddin, N.A.; Ahmad, S.A. Oil Bioremediation in the Marine Environment of Antarctica: A Review and Bibliometric Keyword Cluster Analysis. *Microorganisms* **2021**, *9*, 419. <https://doi.org/10.3390/microorganisms9020419> **Q2**

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<p>Proceedings/ Conference Abstract</p>	<ol style="list-style-type: none"> <li>1. Erriah, P., Yahaya, N. M., Kamil, W. N. I. W. A., Nordin, S. A., Muhamad, A., &amp; Sabri, S. Antibacterial efficacy and mode of action of C<sub>14-15</sub>-bacillomycin d from <i>Bacillus velezensis</i> PD9. International Symposium On Life Sciences And Education (iLiSE) 2025. Universiti Teknologi MARA (Kuala Pilah), 22-23 September 2025. (Poster)</li> <li>2. Suriana Sabri, Puan Sheau Ling, and Pirasannah Erriah. A Genome-guided Approach to Uncover and Purify Potent Antimicrobials from <i>Bacillus velezensis</i> PD9 for Combating Multidrug-resistant Pathogens. Asian Federation of Biotechnology Regional Symposium. Everly Hotel Putrajaya, 28-29 July 2025. (Oral presentation)</li> <li>3. Seevanathan Y., Zawawi N., Oslan S.N., Ashaari N.S., Amir Hamzah A.S., Sabri S. Identification of trehalulose-producing microbes associated with stingless bees. Malaysian Society for Microbiology Postgraduate Symposium 2025. Akademia Siber Teknopolis, Universiti Kebangsaan Malaysia. 18th August 2025. (Poster presentation)</li> <li>4. Puan S.L., Erriah P., Ali M.S.M., Yahaya N.M., Ahmad S.A., Oslan S.N., Sabri S. Optimization and scale up production of antimicrobial compounds from <i>Bacillus velezensis</i> PD9. Akademia Siber Teknopolis, Universiti Kebangsaan Malaysia. 18th August 2025. (Oral presentation)</li> <li>5. Seevanathan, Y., Zawawi, N., Hamzah, A.S.A., Oslan, S. N., Ashaari, N.S., &amp; Sabri, S. "Trehalulose-producing enzyme discovery from stingless bee". <i>Biotech Horizon 2024 International Conference</i>, 24 - 26th September 2024. Deputy Vice Chancellor (R&amp;I) Building, Universiti Putra Malaysia (UPM), Malaysia. (Poster)</li> <li>6. Erriah, P., Puan, S. L., Yahaya, N. M., Kamil, W. N. I. W. A., Nordin, S. A., Muhamad, A., &amp; Sabri, S. "Discovery of Gram-positive and Gram-negative bacteria inhibiting lipopeptides in <i>Bacillus velezensis</i> strain PD9". <i>International Symposium on Synthetic Biology and CRISPR Technology (iSynBioCT 2024)</i>, 23-24<sup>th</sup> July 2024, organized by the Institute of Systems Biology (INBIOSIS), Universiti Kebangsaan Malaysia (UKM), Malaysia. (Oral)</li> <li>7. <b>Lim, S. J.</b>, Oslan, S. N., Sabri, S., Ali, M. S. M., Noor, N. D. M., &amp; Salleh, A. B. (2024). "Characterizing The Fungal Pathogenicity of A Locally Isolated, Non-conventional Expression Host- <i>Meyerozyma guilliermondii</i> Strain SO". <i>International Symposium on Synthetic Biology and CRISPR Technology (iSynBioCT 2024)</i>, 23-24<sup>th</sup> July 2024, organized by Institute of Systems Biology (INBIOSIS), Universiti Kebangsaan Malaysia (UKM), Malaysia. (<b>Oral</b>)</li> <li>8. Pirasannah Erriah, Normi Mohd Yahaya, Wan Nur Ismah Wan Ahmad Kamil, Syafinaz Amin Nordin, Azira Muhamad, Suriana Sabri. Evaluation of the Antimicrobial Susceptibility of <i>Bacillus</i></li> </ol>

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70. Claudia E. Vickers, **Suriana Sabri**, Mareike Bongers and Lars K. Nielsen (2013). Understanding metabolic control of carbon flux through the MEP pathway: a systems and synthetic biology approach. In: 11th International Meeting on Biosynthesis, Function and Biotechnology of Isoprenoids in Terrestrial and Marine Organisms: TERPNET 2013. Book of Abstracts. *TERPNET 2013: 11th International Meeting on Biosynthesis, Function and Biotechnology of Isoprenoids in Terrestrial and Marine Organisms*, Kolyvari, Crete, Greece, (250-250). 1-5 June, 2013.
71. Claudia E. Vickers, Colin Archer, Michele Bruschi, Yalun Arifin, **Suriana Sabri**, Simon Boyes,

	<p>and Lars K. Nielsen (2011). Sucrose-to-bioproducts: Engineering a sucrose-based <i>E. coli</i> platform for industrial bioproduction. In: <i>ICBE 2011: International Conference on Biomolecular Engineering</i>, San Francisco, CA, U.S.A. 16-19 January 2011.</p> <p>72. <b>Suriana Sabri</b>, Lars K. Nielsen, Claudia E. Vickers (2010). Deletion analysis of sucrose metabolic genes in <i>E. coli</i>. 11<sup>th</sup> International Symposium on The Genetics of Industrial Microorganisms, 28<sup>th</sup> Jun -1<sup>st</sup> Jul 2010, Melbourne Convention and Exhibition Centre. Melbourne, Australia.</p> <p>73. Yalun Arifin, <b>Suriana Sabri</b>, Haryadi Sugiarto, Jens O. Krömer, Claudia E. Vickers and Lars K. Nielsen (2010). Metabolic engineering of sucrose utilizing <i>Escherichia coli</i> for polyhydroxybutyrate production. 14th International Biotechnology Symposium and Exhibition (IBS-2008). Rimini, Italy 14-18 September 2010</p>
Intellectual Property	<p><b>Copyright</b></p> <p>1. <b>CRLY2023W02677</b> Amazing Microbes Edukit-Bacteria Growing Kit Manual</p> <p>2. <b>CRLY2025W09021</b> Isolation, screening, identification and characterisation of phenol-degrading Antarctic bacteria and microalgae: A technical reference guide</p> <p><b>Malaysian Patent Application:</b></p> <p>1. Method of obtaining antimicrobial bioactive compounds from <i>Bacillus</i> strain active against methicillin-resistant <i>Staphylococcus aureus</i> (MRSA), ESKAPE pathogens, and other clinically relevant bacteria, compositions and uses thereof. Suriana Sabri, Pirasanna Erriah, Puan Sheau Ling, Wan Nur Ismah Wan Ahmad Kamil. <b>PI 2025004572. July 2025</b></p> <p>2. Method and system for identifying potential drug targets in microbial pathogens. Siti Nurbaya Oslan, Abu Bakar Salleh, Suriana Sabri, Mohd. Shukuri Mohamad Ali, Noor Dina Muhd Noor <b>PI2024002518.</b></p> <p>3. Recombinant Terpene Synthase from <i>Plectranthus amboinicus</i> and Their Production. Janna Ong Abdullah, Raha Abdul Rahim, <b>Suriana Sabri</b>, Lai Kok Song, Adelene Song Ai Lian, Nursuhanawati Ashaari, Mohd Hairul Ab Rahim. 14 Januari 2019 <b>PI2019000052</b></p> <p>4. Production of thermostable L2 lipase from <i>Bacillus</i> sp. Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Mahiran Basri, <b>Suriana Sabri</b>, <b>Fairolniza Mohd Shariff</b>. 2007. <b>PI20071008</b></p>

<b>H. PROJEK PENYELIDIKAN TERDAHULU</b> (Past Research Project)					
No	Project Title	Role	Year	Source of fund	Status
1	Engineering of sucrose utilizing <i>E. coli</i> strain for production of industrially important lipase	Leader	2014-2016	UPM (Putra)	Completed (RM45,000)
2	Understanding the whole metabolism of <i>Photobacterium</i> sp. by development of genome scale model for production of docosahexanoic acid (DHA)	Leader	2014-2017	MOHE (FRGS)	Completed (RM153,000)
3	Investigating the expression of recombinant protein under alcohol oxidase promoter without methanol induction in locally isolated yeast	Member	2014-2017	MOHE (FRGS)	Completed (RM124,000)
4	Development of genetically engineered gamma terpinene synthase of <i>Plectranthus amboinicus</i> (Bangun-bangun) for production of thymoquinone	Member	2014-2017	MOHE (FRGS)	Completed (RM90,200)
5	Metabolic engineering of flavonoid production in yeast	Member	2015-2018	MOSTI – ASM	Completed (RM289,000)
6	Engineering of sucrose utilizing <i>E. coli</i> strain for production of industrially important lipase	Leader	1 April 2016 - 1 Oktober 2017	Geran Putra - IPS	Completed (RM20,000)
7	Engineering of <i>Saccharomyces cerevisiae</i> for expression of cinnamate-4-hydroxylase, chalcone synthase and chalcone isomerase enzymes involved in the flavonoid production of <i>Polygonum minus</i>	Leader	1 April 2016- 1 April 2018	Geran Putra - IPS	Completed (RM20,000)
8	Substrate utilization pattern and characteristics of microbial community of stingless bee's products	Leader	15 Feb 2018 – 14 Ogos 2019	Geran Putra - IPS	Completed (RM25,000)

9	Nutritional value and probiotic properties of Malaysian Stingless bee-collected pollen (bee bread)	Member	15 Nov 2017-15 Nov 2019	Geran-Putra	Completed (RM50,000)
10	Unveil Gdsl- Substrate Complex In Understanding The Selectivity A Novel Gdsl Esterase On Small Substrate.	Member	15 Feb 2018 – 14 Feb 2020	Geran Putra	Completed (RM50,000)
11	Formulating bacteria base material for self-healing concrete	Member	1 Jan 2019 – 31 Dis 2020	FRGS	Completed (RM98,000)
12	An engineered <i>Meyerozyma guilliermondii</i> as a host to increase industrial enzyme overexpression without methanol induction	Member	1 Sept 2019 - 31 Dis 2022	FRGS	Completed RM187,245
13	Insights into folding and methanol-induced inactivation of Photobacterium marinum lipase (PML) for the redesigning of methanol stable lipase variants	Member	1 Sept 2019 - 31 Dis 2022	FRGS	Completed RM99,200
14	Development of bioreactor for ex-situ bioremediation of diesel polluted soil in Bernardo O'Higgins Station, Antarctica	Member	16 Jul 2019 – 30 Apr 2022	Geran Berimpak UPM	Completed RM150,000
15	Evoking an interest in STEM through the mysterious World of the Unseen	Member	1 Nov 2019-31 Oct 2020	MSMBB EduSTEM grant	Completed RM5000
16	Development of trehalulose sugar with low glycemic index and high antioxidant activities as pure analytical standard and marker of high-quality stingless bee honey	Member	1 Mac 2021-28 Feb 2023	International Collaboration Fund (ICF, MOSTI)	Completed RM447,500
17	<b>Cloning and expression of keratinase genes from <i>Pseudomonas sp.</i> strain LM19 in <i>Bacillus altitudinis</i> BD4 for efficient biodegradation of feather</b>	<b>Leader</b>	<b>15 Feb 2021 – 14 Feb 2023</b>	<b>GP-IPS</b>	<b>Completed RM25,000</b>
18	<b>Unraveling the characteristics, structure-function relationship and mode of action of new antimicrobial peptide from <i>Bacillus velezensis</i> PD9 against Methicillin-resistant <i>Staphylococcus aureus</i></b>	<b>Leader</b>	<b>7 September 2021 – 6 September 2024</b>	<b>FRGS</b>	<b>Completed RM160,000</b>
19	Characterization of antimicrobial peptide from <i>Paenibacillus polymyxa</i> KP10 and elucidation of its antimicrobial and antibiofilm mechanistic role against Methicillin-resistant <i>Staphylococcus aureus</i> and <i>Klebsiella pneumoniae</i>	Member	7 September 2021 – 6 September 2023	FRGS	Completed RM142,500
20	Isolation and characterization of chitinolytic bacteria for efficient and environmentally-friendly bioconversion of shrimp shell wastes to value-added products	Member	Okt 2022-Sept 2023	Kurita Water and Environment Foundation	On-going RM12,509
21	Empowering students as agents of change through education for sustainable development: a transformative pedagogy for ESD toolkit with augmented reality	Member	1Sept 2023-31 Aug 2025	Geran Insentif Penyelidikan untuk Pengajaran dan Pembelajaran	On-going RM20,000
22	Feasibility study of biological treatment using UPM developed bacteria for recycled concrete aggregate in enhancing its usage for sustainable cement-based composite materials	Member	1 Jun 2024 - 31 Mei 2026	Geran Putra Berimpak	On-going RM100,000
23	<b>Screening, Purification and Characterization of Trehalulose-producing Enzyme from Stingless Bee</b>	<b>Leader</b>	<b>1 Sept 2024 - 31 Ogos 2025</b>	<b>Geran Putra Inisiatif</b>	<b>Completed RM8,000</b>
24	<b>Production and Synergistic Enhancement of <i>Bacillus velezensis</i> PD9 extract against antibiotic-resistant and biofilm-forming pathogens</b>	<b>Leader</b>	<b>1 October 2024- 1 April 2026</b>	<b>Geran Putra - Inisiatif Siswazah</b>	<b>On-going RM25, 000</b>
25	Pemeriksaan Kepimpinan Instruksional di Institusi Pendidikan Tinggi Awam dan Swasta (Instructional	Member	17 Sept 2024 - 16 June 2025	TRGS-SF	On-going RM125,000

	Leadership Empowerment in Public and Private Higher Education Institution)				
26	<b>Unravelling the antibacterial mechanism of bacillomycin D from <i>Bacillus velezensis</i> PD9 against carbapenem resistant <i>Klebsiella pneumonia</i></b>	<b>Leader</b>	<b>15 Julai 2025</b>	<b>14 Julai 2027</b>	<b>On-going RM25,000</b>
27	Health enhancement of YY Tilapia Red	Member	1 Mac 2025	29 Feb 2028	On-going RM130,000
	<b>TOTAL GRANT AS LEADER</b>				<b>RM 506,000</b>
	<b>TOTAL GRANT AS MEMBER</b>				<b>RM 2,003,154</b>
	<b>TOTAL</b>				<b>RM 2,509,154</b>

**I. ID PUBLISHING** (*Publishing ID*)

	<b>Author ID</b>	<b>Name</b>
Scopus	35389513200	Suriana Sabri
ORCID	orcid.org/0000-0003-4027-5730	Suriana Sabri

**J. RANGKAIAN SOSIAL** (*Social Networking*)

Google Scholar	<a href="https://scholar.google.com.my/citations?hl=en&amp;user=sByEnNoAAAAJ">https://scholar.google.com.my/citations?hl=en&amp;user=sByEnNoAAAAJ</a>
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**K. JOURNAL REVIEW**

1) Food Research	32) Trends in Sciences
2) Malaysian Journal of Microbiology	33) Journal of Agricultural and Food Chemistry
3) Critical Reviews in Microbiology	34) Environmental Science and Pollution
4) Asia Pacific Journal of Molecular Biology and Biotechnology	35) Environmental Processes
5) Journal of Tropical Agricultural Science	36) Indonesian Journal of Chemistry
6) Journal of Apicultural Research	37) IUCEL 2022 Proceedings - 2022
7) Sains Malaysiana	38) Polish Journal of Microbiology
8) Journal of Basic Microbiology	39) Molecular Genetics and Genomics
9) Scientific Report	40) Journal of Agricultural and Food Chemistry
10) Current Medicinal Chemistry	41) Biotechnology Letters
11) Current Pharmaceutical Design	42) Separations
12) Current Pharmaceutical Biotechnology	43) Fermentations
13) Current Microbiology	44) Current Microbiology- 2024
14) Journal of Biomolecular Structure and Dynamics	45) Archives of Microbiology-2024
15) Malaysian Applied Biology Journal	46) International Journal of Peptide Research and Therapeutics- 2024
16) Indonesian Journal of Chemistry	47) Probiotics and Antimicrobial Proteins - 2024
17) Food Reviews International	48) Infection and Drug Resistance - 2025
18) Microbial Cell Factories	49) Probiotics and Antimicrobial Proteins - 2025
19) Advances in Pharmacological and Pharmaceutical Sciences	50) Scientific Reports - 2025
20) Jordan Journal of Biological Sciences	51) Protein Expression and Purification - 2025
21) Archives of Microbiology	52) Current Research in Biotechnology - 2025
22) Molecular Biotechnology	53) Applied Microbiology and Biotechnology - 2025
23) Environmental Technology and Innovation	54) Education in Medicine Journal - 2025
24) Fungal Biology	55) Archives of Microbiology - 2025
25) Genomics	56) Food Biosciences - 2025
26) Journal of Agricultural and Food Chemistry	57) International Journal of Biological Macromolecules - 2025
27) Colloids and Surfaces B: Biointerfaces	58) Food and Humanity - 2025
28) Phytochemistry Reviews	59) Food Control - 2025
29) Jurnal Teknologi	60) Microbial Cell Factories - 2025
	61) Bioresource Technology Report - 2025

30) Malaysian Journal of Biochemistry and Molecular Biology	
31) Microbial Ecology	

## L. SUPERVISION

Category	SUPERVISOR					
	Current Student			Graduate		
	PhD	Master	Total	PhD	Master	Total
Chairman	4	1	5	2	5	7
Member	8	2	9	12	7	19
Total	12	3	15	14	12	26

### Graduated Student (As main supervisor)

Name of student	Level	Year of graduation	Thesis Title
Radin Shafierul bin Radin Yahaya	PhD	2024	Evaluation of <i>Bacillus cereus</i> HD1 keratinase and its co-expression with <i>Pseudomonas aeruginosa</i> LM19 keratinase
Mohammad Malik Al-Adil bin Baharudin	Master	2021	Antimicrobial activity of <i>Bacillus velezensis</i> strain PD9 against methicilin resistant <i>Staphylococcus aureus</i>
Fatin Lyana binti Azman Shah	Master	2021	Expression of chalcone synthase and chalcone isomerase from <i>Polygonum minus</i> for flavonoid production
Siti Hajar binti Yusoff	Master	2021	Expression of recombinant T1 lipase in <i>Escherichia coli</i> strain using fifth grade molases
Mohamad Syazwan bin Ngalimat	Master	2019	Charaterization of bacteria from stingless bee, <i>Heterotrigona itama</i> nest products
Ibrahim Musa Moi	PhD	2019	Over-expression of FabA, FabB, and FabF from <i>Photobacterium marinum</i> J15 for enhancement of omega-7 monounsaturated fatty acids production in <i>Escherichia coli</i>
Nordiyannah Nadhirah binti Roslan	Master	2018	Genomic study of <i>Photobacterium marinum</i> strain J15 and development of genome scale metabolic model for cellular metabolism identification

### Graduated Student (As co-supervisor)

Name of student	Level	Year of graduation
Puvaneswari a/p Puvanasundram	PhD	2025
Muhamad Nura Bello	PhD	2025
Yap How Swen	PhD	2024
Farah Eryssa binti Ahmad Saiful Khalid	PhD	2024
Norzila binti Kusnin	PhD	2024
Lim Si Jie	PhD	2024
Yuli Haryani	PhD	2023
Khadijah Nabilah binti Zainudin	PhD	2023
Syazani binti Darham	PhD	2023

Robiatul Azilah binti Zainudin	Master	2023
Nur Nadhirah binti Zakaria	PhD	2023
Revathy a/p Davan	Master	2022
Nur Suhanawati binti Ashaari	PhD	2021
Fatin Aina binti Zulkhairi Amin	Master	2021
Nur Aina binti Adlan Mustafa	Master	2021
Salihu Ibrahim	PhD	2020
Syamimi Diyana binti Abdul Aziz	Master	2019
Nur Iznida binti Mahyon	Master	2018
Fam Jye Ping	Master	2018

## J. THESIS EXAMINATION

PhD		MSc		Total
Internal Examiner	External Examiner	Internal Examiner	External Examiner	
5	3	12	2	22
Name of student	Year	Level	Role/University	
Vakgesri a/p Muniandy	2025	MSc	Internal Examiner / UPM	
Tee An Nie	2025	PhD	Internal Examiner / UPM	
Nurul Adina Ab. Rahim	2025	PhD	Internal Examiner / UPM	
Sow Cyn Shieng	2025	MSc	Internal Examiner / UPM	
Nurul Azmiera Zamri	2024	PhD	External Examiner / UiTM	
Matthlessa Anak Mathew Minggu	2025	PhD	External Examiner / UKM	
Mohd Shawal Thakib bin Maidin	2024	PhD	Internal Examiner / UPM	
Miratul Hada binti Mohd Ali	2024	MSc	Internal Examiner / UPM	
Melvina Mayuri a/p Krishnan	2024	MSc	Internal Examiner / UPM	
Nurul Fatin Shafikah binti Ahmad Rizal	2024	MSc	Internal Examiner / UPM	
Al Hammadi Eeman A.	2024	PhD	Internal Examiner / UPM	
Ahmad Fareez bin Ahmad Roslee	2023	PhD	Internal Examiner / UPM	
Mohd Nasharudin bin Razak	2023	MSc	Internal Examiner / UPM	
Tham May Ling	2022	MSc	Internal Examiner / UPM	
Carumathy a/p Chandran	2022	MSc	Internal Examiner / UPM	
Moo Chew Li	2021	MSc	Internal Examiner / UPM	
Nurliyana bt Mohd Yusof	2021	MSc	Internal Examiner / UPM	
Mohanapriya Hari	2021	MSc	External Examiner / UNISEL	
Darvien a/l Gunasekaran	2021	PhD	External Examiner / UKM	
Nur Diyana binti Ruslan	2020	MSc	External Examiner / UMT	
Salma Malihah binti Mohammad	2020	MSc	Internal Examiner / UPM	
Nur Natasya Ain bt Rosland	2019	MSc	Internal Examiner / UPM	

## I. LIST OF COMMITTEES

Role	Committee	Level	Year
Editorial board	Canadian Journal of Infectious Disease and Medical Microbiology	International	2025-2026
External reviewer	Faculty of Educational Sciences and Technology, UTM Manuscript	National	2025
Member	Task Force Kajian Penilaian dan Pengimbangan Tugas Tenaga Akademik Secara Strategik di UPM	University	2025-2027

Assessor	Full Accreditation Postgraduate Diploma in Diabetes Management and Education ODL	National	2025-2026
Committee member	13th Symposium of Applied Engineering and Sciences (SAES2025)	University	2025
Grant evaluator	Geran Putra Berimpak UPM	University	2025
Assessor	Full re-Accreditation Postgraduate Certificate in Health Professions Education (ODL) - IMU University	National	2024-2025
Member	Task Force Pelaksanaan Kerangka Kelayakan Malaysia (MQF) Edisi Kedua (2024)	University	2025-2026
Committee Member	International Putra Innocreative Carnival in Teaching and Learning (I-PICTL) x SULAM@UPM Carnival 2025	University	2025
Assessor	Provisional Accreditation Master in Health Professions Education (MHPE) ODL - IMU University	National	2024
Assessor	Provisional Accreditation Sarjana Pengurusan Teknologi dan Inovasi (MMJT) ODL di Malaysia-Japan International Institute of Technology (MJIIT), UTM	National	2024
Member	Task Force Pemerkasaan Education for Sustainable Development (ESD)	University	2024-2027
Assessor	Provisional Accreditation of DOKTOR AMALAN PROFESSIONAL (DPROF), ODL Program (UTM)	National	2024
Member	Task Force Pendidikan dan Latihan Teknikal dan Vokasional (TVET) UPM	University	2024
Committee Member	Southeast Asian Higher Education Summit (SEAHES) 2024	International	2024
Assessor	Full Accreditation for Master of Science in Analytic and Pharmaceutical Chemistry (ODL) - IMU University	National	2023
Member	Task Force Mendeskripsi Ciri Graduan Dalam Matlamat Pendidikan Universiti Putra Malaysia	University	2023-2025
Committee Member	International Putra Innocreative Carnival in Teaching and Learning (I-PICTL) 2023	University	2023
Committee Member	Jawatankuasa Teknikal/Spesifikasi bagi Perolehan Perkhidmatan Pelaksanaan Program di bawah Penjana KPT-PACE bagi melaksanakan kursus Empowering Graduates with Power BI di UPM	University	2023-2024
Committee Member	Jawatan Kuasa Kecil Kurikulum Pengajian Siswazah	University	2023-2025
Grant evaluator	Geran Insentif Pengajaran dan Pembelajaran (GIPP) 2023	University	2023
Committee Member	Scientific Committee International Congress on Bee Sciences	International	2023
Committee Member	Microbes Innovation, Invention and Ideation Challenge MINIC SDG2023	Faculty	2023
Committee Member	School Holiday Enrichment Programme 2.0: Young Scientists Exploring the World of Microbes	Faculty	2023
Committee Member	Microbiology Workshop on Antimicrobial Susceptibility testing for Bacteria & Fungi, Techniques and Interpretation	Faculty	2023
Member	Taskforce Program Shared Academic Course and Learning Experience (SCALE) kepada pelajar Universiti Awam	National	2022-2024
Coordinator	Service Learning Malaysia - University for Society (SULAM), Ministry of Higher Education (MOHE)	National	2022-2025
Committee Member	Scientific Committee International Congress on Bee Sciences	International	2022
Committee Member	Service Learning Going Global - Ministry of Higher Education	National	2022
Committee Member	International Congress of the Malaysian Society for Microbiology	National	2019
Committee Member	Panel Penilaian Permohonan Skim Geran Penyelidikan Peringkat Universiti	University	2023-2024
Member	Task Force Empat Laluan Kerjaya Pegawai Akademik	University	2022-2024
Member	Task Force APEL.C UPM	University	2022-2024
Coordinator	Program SCALE@UA	University	2022-2024
Coordinator	Service-learning Malaysia-University for Society (SULAM) UPM	University	2022-2025
Panel of Expert	Development of Open and Distance Learning UPM	University	2022-2024
Head of Committee Member	Jawatankuasa Penilaian dan Pilot Study APEL(C)	University	2022-2024
Editorial board	Putra ACADeMIA (CADe-Lead Newsletter)	University	2022-2024
Member	Ahli Taskforce Open and Distance Learning UPM	University	2023-2024
Head of Committee Member	International University Carnival on e-Learning (IUCEL2022)	University	2022

Head of Committee Member	Jawatankuasa Buku Program IUCEL2022	University	2022
Editor	Editor e-Proceedings IUCEL2022	University	2022
Vice chairman	International Putra Innocreative Carnival in Teaching and Learning i-PicTL2022 Committee	University	2022
Member	Task force Pembangunan Instrumen Online Lab Survey	University	2022-2023
Secretariat	International Putra Innocreative Carnival in Teaching and Learning i-PicTL2022	University	2022
Committee Member	Jawatankuasa Kecil Kurikulum Universiti	University	2017-2025
Developer	Pembangun Sistem PUTRA SULAM	University	2022-2024
Committee Member	AJK School Holiday Enrichment Programme: Young Scientists Exploring the World of Microbes	University	2022
Committee Member	AJK Anugerah Putra Innocreative (PicTL)	University	2022
Faculty representative	Wakil Fakulti Persatuan Pegawai Akademik (PPAUPM) Sesi 2021/2023	University	2019-2023
Committee Member	Penilaian Permohonan Geran Penyelidikan UPM	University	2021-2022
Advisor	Penasihat Program Empowering Student Entrepreneurship: Insights from a successful skincare entrepreneur	Faculty	2023
Committee Member	Microbes Invention Innovation and Ideation Challenge SDGs 2023	Faculty	2023
Committee Member	13 <sup>th</sup> Microbiology Workshop on Antimicrobial Susceptibility Testing Methods for Bacterial and Fungal	Faculty	2023
Committee Member	Curriculum Revision Faculty of Biotechnology and Biomolecular Sciences	Faculty	2020-2022
Committee Member	Biotech Webinar Series 2021	Faculty	2021
Committee Member	Workshop on Automated AKTA Protein Purification System and Structural Characterisation using CD	Faculty	2022
Committee Member	Program Ahli Mikrobiologi Bersama Sekolah Kebangsaan Bukit Rahmat	Faculty	2020
Committee Member	Jaringan Komuniti dan Antarabangsa Pejabat TDA, FBSB	Faculty	2019-2021
Committee Member	Audit Pengkalan Program Pengajian Fakulti Bioteknologi dan Sains Biomolekul	Faculty	2019-2021
Committee Member	11 <sup>th</sup> Microbiology Workshop	Faculty	2019
Chairman	Basic NGS Data Analysis and Whole Genome Assembly Workshop	Faculty	2019
Committee Member	Workshop on X-ray Data Processing and Structural Analysis	Faculty	2019
Committee Member	Stress Management Through Nature Program	Faculty	2019

## J. SPEAKER / TRAINER/ JURY FOR WORKSHOPS/TRAININGS/ CONFERENCE/ COMPETITION

Role	Program	Organizer	Date
Speaker	Penceramah Kursus Asas Pengajaran - Rekabentuk Kurikulum dan Pengurusan Pendidikan Berasaskan Hasil (Outcome-based education)	Universiti Putra Malaysia	14 Ogos 2025
Speaker	Speaker - Asian Federation of Biotechnology Regional Symposium 2025,	Asian Federation of Biotechnology Malaysian Chapter	27-30th July 2025
Speaker	Penceramah Kursus Asas Pengajaran -Rekabentuk Kurikulum dan Pengurusan Pendidikan Berasaskan Hasil (Outcome-based education)	Universiti Putra Malaysia	30 Jun 2025
Facilitator	Fasilitator - Bengkel Mega Fasa 1 (Semakan Dokumen Kurikulum	Centre of Academic Development and Leadership Excellence, UPM	27 Mei 2025

Facilitator	Fasilitator Pemurnian kursus MPU dan Kursus Universiti	Centre of Academic Development and Leadership Excellence, UPM	5 Mei 2025
Speaker	Penceramah Training of Trainers - Semakan Kertas Cadangan Penawaran Program Baharu dan Semakan Kurikulum Berdasarkan Panduan Terkini (2025)	Centre of Academic Development and Leadership Excellence, UPM	23 Mei 2025
Facilitator	Fasilitator Bengkel Penambahbaikan Rangka Kursus Berdasarkan Ketetapan MQF Edisi Kedua (2024)	Centre of Academic Development and Leadership Excellence, UPM	18 April 2025
Speaker	Penceramah Kursus Asas Pengajaran - Rekabentuk Kurikulum dan Pendidikan Berasaskan Hasil (Outcome-based education)	Centre of Academic Development and Leadership Excellence, UPM	18 Feb 2025
Jury	International Putra Innocreative Carnival in Teaching and Learning (I-PICTL) x SULAM@UPM Carnival 2025	Centre of Academic Development and Leadership Excellence, UPM	2025
Jury	Anugerah Fellowship Naib Canselor (kategori Pengajaran) 2024	Universiti Putra Malaysia	2025
Jury	International Teaching and Learning Innovation Competition (I-TLIC) 2025	Association of Malaysian Research and Social Service (AMRASS)	2 Jun 2025
Speaker	Panel Penceramah Klinik Semakan Kurikulum Program Master Secara Kerja Kursus (MSKK) Fakulti Kejuruteraan bersama CADe-Lead	Fakulti Kejuruteraan	27 Nov 2024
Speaker	Penceramah Bengkel Hands-on OBE: CAP, CAM, CAS, POSE dan CQI	Faculty of Biotechnology and Biomolecular Sciences, UPM	2 Oct 2024
Speaker	Penceramah PELAKSANAAN OBE BAGI PROGRAM PASCASISWAZAH SECARA KERJA KURSUS DI UPM	Centre of Academic Development and Leadership Excellence, UPM	5 Sep 2024
Speaker	Penceramah Kursus Asas Pengajaran Siri 2/2024 - reka Bentuk Kurikulum dan Pengurusan Pendidikan Berasaskan Hasil (OBE)	Centre of Academic Development and Leadership Excellence, UPM	12 Ogos 2024
Speaker	Penceramah Pengukuran Pencapaian Hasil Pembelajaran dan Pelaksanaan CQI	Centre of Academic Development and Leadership Excellence, UPM	17 July 2024
Speaker	Penceramah Sesi Latihan: Semakan Dokumen Program Baharu Master Sumber Manusia dan Organisasi	Sekolah Perniagaan dan Ekonomi, UPM	20 May 2024
Speaker	Penceramah Webinar SULAM di UPM: Apa dan Bagaimana Pelaksanaannya	Centre of Academic Development and Leadership Excellence, UPM	21 March 2024
Jury	International Language and Educational Innovation Competition i-INNOLED 2024 - Faculty Major Language Studies Universiti Sains Islam Malaysia	Universiti Sains Islam Malaysia	15-16 October 2024
Jury	Anugerah Fellowship Naib Canselor (kategori Pengajaran) 2023	University	2024
Trainer	Kesetaraan Kursus MassiveOpen Online Course (MOOC) dan Micro-credential (MC) daripada Program Akademik Prasiswazah dan Siswazah Berakreditasi di UPM	Centre of Academic Development and	

		Leadership Excellence, UPM	
Speaker	Penceramah Bengkel Pembangunan Jam Pembelajaran Pelajar (JPP) Program ODL	Faculty of Biotechnology and Biomolecular Sciences, UPM	8 September 2023
Speaker	Penceramah Bengkel Pemerkasaan Pelaksanaan Kurikulum Program Pengajian Fakulti di UPM Kampus Bintulu	UPM Kampus Bintulu	18-19 September 2023
Speaker	Bengkel Intensif Pembangunan Program Akademik dengan Mod ODL	Universiti Malaysia Terengganu	24-26 Aug 2023
Speaker	Kursus Asas Pengajaran (Reka Bentuk Kurikulum dan Pengurusan Pendidikan Berasaskan Hasil (OBE)	Universiti Putra Malaysia	16 Aug 2023
Speaker	Pengenalan Kepada Keperluan Pelaksanaan Program Open and Distance Learning (ODL)	Faculty of Biotechnology and Biomolecular Sciences	26 July 2023
Facilitator	Collaborative Online International Learning (COIL) Sustainable Development Goals Challenge	British Council & Ministry of Higher Education	April - Aug 2023
Facilitator	Bengkel Penyediaan Dokumen Penawaran Program Master Patologi	Faculty of Medicine and Health Sciences	26 May 2023
Speaker	Bengkel Open and Distance Learning (ODL) Jabatan Matematik dan Statistik	Faculty of Science	17 July 2023
Speaker	Speaker - 5th Conference on the Medicinal Use of Honey	Universiti Sains Malaysia	19-20 May 2023
Speaker	Penceramah - Bengkel Pembangunan Jam Pembelajaran Pelajar (JPP) Program ODL: Kursus Umum Universiti	UPM Education and Training Sdn Bhd	31 Mac 2023
Speaker	Penceramah - Bengkel Pembangunan Jam Pembelajaran Pelajar (JPP) Program ODL: Kursus Program Sesi 1	UPM Education and Training Sdn Bhd	5 April 2023
Speaker	Bengkel Pembangunan Jam Pembelajaran Pelajar (JPP) Program ODL: Kursus Program Sesi 2	UPM Education and Training Sdn Bhd	10 April 2023
Speaker	Seminar Kewirausahaan Internasional Lebah dan Kelulut	Sekolah Tinggi Ilmu Ekonomi (STIE) dan Gudang Madu Fonda, Pekan Baru, Indonesia	14 Mac 2023
Speaker	Sesi Transformasi Program Akademik Universiti Putra Malaysia: Pelaksanaan ODL	Universiti Putra Malaysia	2 Mac 2023
Facilitator	Bengkel Pembangunan Program Master Kerja Kursus Biokimia Analitik	Jabatan Kimia, Fakulti Bioteknologi dan Sains Biomolekul	10 Aug 2023
Facilitator	Bengkel Pemurnian Dokumen Semakan Semula Kurikulum Program Master Perubatan Veterinar	Fakulti Perubatan Veterinar	18 Jan 2023
Facilitator	Bengkel Pembangunan Mod Penilaian Pengakreditasi Pembelajaran Berasaskan Pengalaman Terdahulu Bagi Tujuan Penganugerahan Kredit	Universiti Putra Malaysia	30 Jan 2023
Jury	Putra Innocreative Poster Competition - I-PICTL2023	CADE-Lead, UPM	14-16 Nov 2023
Jury	Anugerah Akademik Naib Canselor 2022	Universiti Putra Malaysia	2023
Speaker	Pembangunan Dokumen Pengajian Program di bawah Pengendalian UPM Education and Training	UPM Education and Training Sdn Bhd	30 Mac 2022
Speaker	Kursus Asas Pengajaran (Reka Bentuk Kurikulum dan Pengurusan Pendidikan Berasaskan Hasil (OBE)	Universiti Putra Malaysia	8 Mac 2022
Speaker	Kursus Asas Pengajaran (Penaksiran Hasil Pembelajaran)	Universiti Putra Malaysia	18 Aug 2022
Jury	3rd Selangor R&D and Innovation Expo 2022	Selangor State	6-9 October 2022

Jury	Anugerah Akademik Naib Canselor 2021	Universiti Putra Malaysia	2022
Jury	International University carnival on E-Learning (IUCEL) 2022	Universiti Putra Malaysia & Ministry of Higher Education	28-30 June 2022
Speaker	International Congress of the Malaysian Society for Microbiology (ICMSM2021)	Malaysian Society for Microbiology	29-30 Sep 2021
Speaker	Surviving thesis writing: what to write and how to format it in style	Rho Factor Student Society of Technologico de Monterrey, Mexico	24 Feb 2021
Jury	Science Film Festival, ASTI's Virtual Quiz Competition Association of Science, Technology	Association of Science, Technology and Innovation	2021
Speaker	Introp Open Day - Webinar: Easy Thesis Writing	Institute of Tropical Forestry and Forest Products (INTROP)	20 Dec 2020
Speaker	FYP Thesis What to Write Webinar	Department of Cell and Molecular Biology	12 Nov 2020
Speaker	Format your thesis easily and quickly using Dr. SS Thesis Template Workshop	Department of Microbiology	3 Nov 2020
Jury	STREAM Challenge	Sekolah Alam Shah	2020
Jury	Program 4 the Earth – BTC4904: Service Learning in Biotechnology	Department of Bioprocess Technology	15 Nov 2019