

CURRICULUM VITAE



Name	AZIYAH ABDUL-AZIZ
Date of Birth	28th September 1965
Current position	Senior lecturer
Current Employer	Universiti Teknologi MARA
Address	Faculty of Applied Sciences 40450 Shah Alam Selangor DE
Telephone No	03-5521 1756 019-6133618
Fax No email	03-5544 4562 aziyah960@uitm.edu.my, aziyahaa@gmail.com
Fields of Specialisation	Molecular Biology, Microbiology, Biofilm
Academic Qualifications	2015 Doctor of Philosophy (Molecular Microbiology) Universiti Teknologi MARA (UiTM). 2006 Master of Science (Biotechnology) Universiti Teknologi MARA (UiTM). 1989 Bachelor of Microbiology (Hons) University Malaya
Current Professional Membership	1. Malaysian Society for Microbiology 2. Malaysian Biosafety and Biosecurity Association (MBBA) 3. Professional Certification in Biorisk Management (ID GPJ493674) 4. Professional Certification in Biosecurity (ID GPJ493674)
Current Teaching and Administrative Responsibilities	- Coordinator of Masters in Applied Microbiology program (AS724) - Resource Person (RP) for Methods in Molecular Biology (BMS531) - Resource Person (RP) for Methods in Recombinant Technology (BMS537) - Resource Person for Bacterial Physiology (MIC 452)

Previous Employment	Lecturer (2005 – 2007) Twintech International University College of Technology Bandar Sri Damansara, Kuala Lumpur				
Conference and Training	1. Advance Malaysian Biorisk Officer Training Course (MABOT) Phase 1; 11 – 22 Mei 2015 Phase 2 - 27 Julai 2015 - 7 August 2015 Phase 3 - 21 September 2015 - 2 October 2015 2. Asia Pacific Biosafety Association Conference, Siem Reap, Cambodia –May 30-June 3, 2016 3. Asia Pacific Biosafety Association Conference – Ho Chi Minh City, Vietnam, August 20-26, 2017,				
Research and Publications					
Research					
No	Title of Research Project	Source	Begin Year	End Year	
1.	Microbial Diversity and Protective Characteristics of the Skin and Oral Microbiome Co-researcher	FRGS	2019	2022	
2.	Differential Whole-Cell Proteome Expression and Protein Interaction Network in the Biofilm of <i>Corynebacterium pseudotuberculosis</i> Clinical Isolates Co-researcher	FRGS	2019	2021	
3.	Genomic Determinants of Multidrug Resistance in Coagulase Negative Staphylococci Project Leader	FRGS	2019	2022	
4.	Genetic Determination of Commensal and Clinical Isolates of <i>Staphylococcus haemolyticus</i> Project Leader	GIP UiTM	2018	2020	
5.	Safe Bioedegradable Packaging Co-researcher	INT Newton-Ungku Omar Grant	2016	2019	
6.	Elucidating the Glycogenome and Glycoproteome of the Antibiotic Resistant <i>Staphylococcus haemolyticus</i> Co-researcher	FRGS	2016	2019	
7.	An Animal Infection Study of Two Codonopsinine Derivatives Against Methicillin-Resistant <i>Staphylococcus Aureus</i> (MRSA) Clinical Isolate Co-researcher	Lestari UiTM	2016	2018	
8.	Study on Unintended Metabolic Interactions in Genetically Modified Plants with Stacked Events Co-researcher	GOV	2016	2019	
9.	Implementing a Biorisk Management System in The Faculty of Applied Sciences at Universiti Teknologi MARA (UiTM) Co-researcher	INT	2016	2016	

10.	Microbiologically Influenced Corrosion (MIC) Study on Pipeline Materials Co-researcher	PRI	2015	2016
11.	Antibiofilm Activities of Peptides from Natural Sources Project Leader	FRGS	2014	2017
12.	Molecular Microbial Pathogenicity Co-researcher	DANA (REI UiTM))	2014	2016
13.	Gene expression profiles during biofilm formation in <i>Staphylococcus capitis</i> Co-researcher	FRGS	2013	2016
14.	Antimicrobial Peptides Profiles of Amphibians in Kuala Pilah Pelangai Forest Co-researcher	FRGS	2013	2016
15.	Exploring the Potential Role of Glycoproteins in Antibiotic Resistant <i>Staphylococcus epidermidis</i> Co-researcher	FRGS	2013	2016
16.	Characterization of the Surface Layer Glycoproteome of <i>Staphylococcus epidermidis</i> to Understand their Potential Role in Biofilm Formation and Antibiotic Resistance Co-researcher	FRGS	2010	2012
17.	Potential Neuroprotective Effects of Metabolite Produced by Marine Bacteria Co-researcher	DANA (DST UiTM)	2010	2012
18.	Investigation of Proteins Involved in Acid Stress Response in the Enteric Pathogen <i>Shigella Sp</i> Co-researcher	FRGS	2008	2013
19.	Biodiversity of the Microflora in an Alkaline Hotspring in Malaysia Co-researcher	FRGS	2008	2012
20.	Biodiversity of Marine Bacteria from Coastal Mangrove Project Leader	DANA (DST UiTM)	2008	2009
Publications				
1.	Aziyah Abdul-Aziz , Sharifah Aminah Syed Mohamad, Zaini Mohd. Zain and Mohamad Faiz Foong Abdullah (2020). ERIC-PCR fingerprint profiling and genetic diversity of coagulase negative <i>Staphylococcus</i> in Malaysia. <i>Malaysian Journal of Microbiology</i> , Vol 16(1) 7-16			
2.	Aziman, N, Abdullah, N, Bujang, A, Mohd Noor, Z, Abdul Aziz, A , Ahmad, R. (2020) Phytochemicals of ethanolic extract and essential oil of <i>Persicaria hydropiper</i> and their potential as antibacterial agents for food packaging polylactic acid film. <i>J Food Safety</i> . 2020;e12864. https://doi.org/10.1111/jfs.128649			

3.	Allaq, A., Sidik, N., Abdul-Aziz, A. , & Ahmed, I. (2020). Cumin (<i>Cuminum cyminum</i> L.): A review of its ethnopharmacology, phytochemistry. <i>Biomedical Research and Therapy</i> , 7(9), 4016-4021. https://doi.org/10.15419/bmrat.v7i9.634
4.	Nurul Amirah Mohd Farook, Aziyah Abdul Aziz (2020) Polymorphism of Coa Gene In <i>Staphylococcus aureus</i> Isolated from Milk in Local Dairy Farms. <i>Junior Science Communication</i> Vol 3 (2020) Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam Malaysia
5.	Farhan Haziq Azharollah and Aziyah Abdul-Aziz (2019). SCCmec typing of clinical isolates <i>Staphylococcus haemolyticus</i> <i>Science Letters</i> Vol. 13(1), June 2019, 33-41
6.	Siti Aisya Aswani and Aziyah Abdul-Aziz (2019). The Characterization of mecA Gene and SCCmec Typing in Clinical Samples of MRSA. <i>Science Letters</i> Vol. 13(2) December 2019,1-7
7.	Asmirah Ahmadunissah and Aziyah Abdul-Aziz (2018) Polymorphisms of Coa Gene In Methicillin Resistant and Methicillin Sensitive <i>Staphylococcus aureus</i> Isolated from a Hospital in Selangor, Malaysia. <i>Malaysian Journal of Biochemistry and Molecular Biology</i> 21, 6 -10
8.	Abdul-Aziz, A. & Anuar, I.I. & Mohamad, S.A.S. & Mohd-Zain, Z. & Abdullah, M.F.F.. (2018). Detection of type I-V SCCmec in methicillin-resistant staphylococcus capitis isolates from Malaysia. <i>Malaysian Journal of Biochemistry and Molecular Biology</i> . 21. 12-16
9.	Aziyah Abdul-Aziz , Safwan Razali, Zainon Abd Rahman and Mohd Faiz Foong Abdullah (2018). Antibiofilm Activities In Skin Secretions Of Malaysian Frogs. <i>International Journal of Engineering & Technology</i> [S.I.], v. 7, n. 4, Oct. 2018. ISSN 2227-524X
10.	Nor Atikah Husna Ahmad Nasir, Mohamad Yusazmeen Sulaiman, Muhammad Akmal Roslani, NurSyafiqah Rahim, Norlin Shuhaime, Zainab Razali and Aziyah Abd Aziz (2018). The Potential of Antibacterial and Antioxidant Activities of Oolong Tea Residues. <i>International Journal of Engineering & Technology</i> [S.I.], v. 7, n. 4, Oct. 2018. ISSN 2227-524X.
11.	W R Wan Abdul Razak, N J Mohamad Yusuf, A Abdul-Aziz , S K Navaratnam I Zubir , E Rizlan Ross (2018). Screening and Isolation of Polyhydroxyalkanoates (Pha)- Producing Bacteria from Landfill By Using Cocoa Pod Husks As Carbon Source. <i>Journal of Engineering & Technology</i> [S.I.], v. 7, n. 4, Oct. 2018. ISSN 2227-524X.
12.	Aziyah Abdul-Aziz and Norlaili Abd. Rahim (2016) The presence of <i>icaAD</i> genes in commensals of coagulase-negative <i>Staphylococcus</i> and evaluation of phenotypic biofilm formation by CRA and CRAvc methods, <i>Jurnal Teknologi</i> , 78(6-5), 59-64. DOI: 10.11113/jt.v78.9000
13.	Zainon A. Rahman, Mohamad Faiz Fong Abdullah, Wan Mohamad Syahmin Wan Azmin, Aziyah Abdul- Aziz (2016) Preliminary studies of antimicrobial activities from frog's skin secretion. <i>Jurnal Teknologi</i> , 78(6-5), 65-69. DOI: 10.11113/jt.v78.9001

14.	Aziyah Abdul-Aziz , Sharifah Aminah Syed Mohamad and Mohamad Faiz Foong Abdullah (2015) Identification of Coagulase-Negative Staphylococci by <i>SodA</i> Gene Sequence Analysis, <i>Current Research in Bacteriology</i> 8 (3): 48-61, 2015
15.	A. Abdul-Aziz , M.F.F. Abdullah and N.H. Hussain (2015) Inducible Acid Tolerance Response in <i>Shigella sonnei</i> and <i>Shigella flexneri</i> , <i>Research Journal of Microbiology</i> 10 (7): 320-328, 2015
16.	Aziyah Abdul-Aziz , Sharifah Aminah Syed Mohamad, Sahlawati Mustakim (2012) Biofilm Formation and Susceptibility towards Antimicrobial Agents in Local Clinical Isolates of <i>Staphylococcus epidermidis</i> . <i>CHUSER 2012 IEEE Colloquium on Humanities, Science and Engineering Research</i> , Dec 3 rd -4 th , Kota Kinabalu, Sabah.
17.	Racheal John Story, Mohd Faiz Foong Abdullah, Aziyah Abdul-Aziz , Sharifah Aminah Syed Mohamad, (2012) The adaptive acid tolerance of <i>Shigella flexneri</i> Strain 307. <i>CHUSER 2012 IEEE Colloquium on Humanities, Science and Engineering Research</i> , Dec 3 rd -4 th , Kota Kinabalu, Sabah.
18.	Zainon A. Rahman, Zainon Mohd Noor, Aziyah Abdul-Aziz , Mohamad I. Ismail, Nurul S.A. Azmi, Nor Farah S. Hamzani, Mohd F.F. Abdullah (2012) Screening and Identification of Bacteria Producing Polysaccharide-Degrading Enzymes from a Malaysian Hot Spring. <i>CHUSER 2012 IEEE Colloquium on Humanities, Science and Engineering Research</i> , Dec 3 rd -4 th , Kota Kinabalu, Sabah
19.	Abd Hadi, F., Abd Aziz , A., Abdullah, M.F.F., Abd Hamid, U.M. (2013) Biofilm characterization of local <i>Staphylococcus epidermidis</i> isolates. <i>2013 IEEE Symposium on Business, Engineering and Industrial Applications</i> , Sept 22 nd – 25 th , Kuching, Sarawak
20.	Racheal John Story, Aziyah Abdul-Aziz , Sharifah Aminah Syed Mohamad, Mohd Faiz Foong Abdullah (2011) Growth-phase dependent of acid tolerance response in <i>Shigella flexneri</i> Strain 307. <i>Proceedings of The International Congress of the Malaysian Society for Microbiology 2011</i> , 8–11th Dec, Penang
21.	Racheal John Story, Aziyah Abdul-Aziz , Sharifah Aminah Syed Mohamad, Mohd Faiz Foong Abdullah (2011) Growth-phase dependent of acid tolerance response in <i>Shigella flexneri</i> Strain 307. <i>Proceedings of The International Congress of the Malaysian Society for Microbiology 2011</i> , 8–11th Dec, Penang
22.	Aziyah Abdul-Aziz , Sharifah Aminah Syed Mohamad, Sahlawati Mustakim, Zaini Mohd Zain (2011) Use of phenotypic and genotypic methods to examine the distribution of coagulase negative <i>Staphylococcus</i> in a Malaysian hospital. <i>Proceedings of The International Congress of the Malaysian Society for Microbiology 2011</i> , 8–11th Dec, Penang
23.	AA Aziz & MH Hussain (2007) Stress proteins in acid adapted <i>Shigella</i> sp. <i>Proceeding of the 29th Symp Malaysian Soc Microbiol.</i> , 24-27 th Nov, Tgganu
24.	NH Hussain, N Ahmad, RY Othman, AA Aziz & F Ismail (2007) Determination of Organic Acids and Simple Sugars in Citrus Greening Infected Plants for the Formula Modification of Culture Medium for the Isolation and Detection of <i>Candidatus liberobacter</i> . <i>Science Letts</i> 4 : 41 – 47

Post-graduate supervision				
No	Students Name	MSc. or PhD	Year Enrolled	Year End
1.	Nurfarahana Jasmin bin Mohamad Yusuf (Co- supervisor)	MSc	2016	2018
2.	Muhamad Safwan Bin Razali	MSc	2016	2020
3.	Siti Aisya bt Aswani	MSc	2017	Ongoing
4.	Farhan Haziq Bin Azharollah	MSc	2017	Ongoing
5.	Abdulmutalib Alabeed Alkamil (Co- supervisor)	MSc	2017	Ongoing
6.	Asmirah Binti Ahmadunissah	PhD	2019	Ongoing
7.	Muhamad Ameruddin Bin Md Azmi	MSc	2018	Ongoing
8.	Nur'ain Shakirah Binti Che Abd Rahman	MSc	2018	Ongoing
9.	Aina Yasmin Binti Daud (Co- supervisor)	MSc	2020	Ongoing
10.	Siti Sarah Diyana Bt Amran (Co- supervisor)	MSc	2020	Ongoing
Consultancy	KAJIAN MENGENAI PERCAMBAHAN BIJIRAN JAGUNG DAN KACANG SOYA YANG TELAH DIUBAHSUAI SECARA GENETIK (01/08/2014 – 31/01/2015)			
Community service	Committee Member of UCTC (University Community Transformation Committee). April 2019 – March 2021			