

Curriculum Vitae

Full Name	Zaidah Zainal Ariffin
Academic Qualifications	<p>1998 Doctor of Philosophy (Pharmaceutical Sciences) University of Strathclyde, United Kingdom</p> <p>1994 Master of Philosophy (Phytochemistry) University of Malaya, Malaysia</p> <p>1990 B.Sc (Hons) Biochemistry University of Malaya, Malaysia</p>
Current Professional Membership	<p>- Member of Malaysian Natural Products Society</p> <p>- Ahli Jawatankuasa Pemantauan Profesionalisem Pensyarah (Pro-PensSv.2).</p>
Current Teaching and Administrative Responsibilities	<p>Current teaching</p> <p>Biochemistry (BIO462)</p> <p>Microbial Metabolism and Processes (MIC713)</p> <p>Coordinator</p> <p>Final Year Project (FSG661)</p>
Conference and Training	<p>Conference Oral and Poster Presentation (2012 – recent)</p> <ol style="list-style-type: none"> 1. Nur Syahira Mohammad, Zaidah Zainal Ariffin (2018). <i>Aspergillus sydowii</i> strain SCAU066 and <i>Aspergillus versicolor</i> isolate BAB-6580: Potential Source of Xylanolytic, Cellulolytic and Amylolytic Enzymes. Malaysian Society for Microbiology Postgraduate Seminar (MSMPS2018). Shah Alam, Malaysia. 13 October 2018. 2. Noor Izzatie Munira Kamaruddin, Nor Azah Mohd Ali, Zaidah Zainal Ariffin, Muhd Fauzi Safian. (2018) Chemical constituents of <i>Curcuma longa</i>, <i>Curcuma caesia</i> and <i>Curcuma zedoaria</i>. 15th Medicinal & Aromatic Plants Seminar (MAPS2018). Kuala Lumpur, Malaysia. 16 – 17 October 2018. 3. Nur Syahira Mohammad, Muhd Fauzi Safian, Shahrul Hisham Zainal Ariffin and Zaidah Zainal Ariffin. (2017) Morphological and Molecular Identification of Poultry Farming Soil Mycoflora Diversity 4th International Conference on Science and Social Research (CSSR) 2017 Melaka, Malaysia 6-7 December 2017 4. ZZ Ariffin, FH Pendi, NS Mohammad, SHZ Ariffin, NAM Ali, MF Safian. (2017). Evaluation of Antimicrobial Activity, Radical Scavenging and Reducing Ability of Essential Oils. 2nd Applied Mathematics in Science and Engineering International Conference (APPEMSE 2017) Phuket, Thailand. 10 – 12 October, 2017 5. HMN Ariri, NIM Kamaruddin, AT Suhaimi, ZZ Ariffin, NAM Ali, MF Safian. (2017). Identification of Essential Oil Composition of <i>Piper aduncum</i>. 2nd Applied Mathematics in Science and Engineering International Conference (APPEMSE 2017) Phuket, Thailand. 10 – 12 October, 2017 6. Zaidah Zainal Ariffin, Nur Syahira Mohammad, Muhd Fauzi Safian, Nor Azah Mohamad Ali. (2016). Antibacterial and Ferric Reducing Ability Activities of Selected Herbs Essential Oils. 2nd International Conference on The Application of Science and Mathematics 2016 Krabi, Thailand. 29 Nov- 1 Dec 2016. 7. Ahmad Talhah Suhaimi, Zaidah Zainal Ariffin, Nor Azah Mohamad Ali, Muhd Fauzi Safian. (2016). Essential Oil Chemical Constituents Analysis of

	<p><i>Cinnamomum iners</i>. 2nd International Conference on The Application of Science and Mathematics 2016. Krabi, Thailand. 29 Nov- 1 Dec 2016</p> <ol style="list-style-type: none"> 8. Muhammad Shukri S., Muhd Fauzi S., Zainon M.N, Zaidah Z. A. (2016). Filamentous Fungi from Animal Agricultural Farm Soil: Isolation, Characterization and Purification. 3rd International Conference on Science and Social Research 2016 (CSSR 2016) Everly Hotel, Putrajaya, Malaysia. 6 – 7 December 2016. 9. Zaidah Bt Zainal Ariffin, Wan Nur Fatimah Wan Muha. (2016). Potential Proteolytic Endophytes From Local Shiitake Mushroom. 14th Medicinal and Aromatic Plants Seminar 2016, Forest Research Institute Malaysia. Kuala Lumpur, Malaysia, 11 - 12 October 2016. 10. Nurul Raihana, A., Muhd Fauzi, S., Zaidah, Z.A. (2016). Quantification of Volatile Organic Compound (Hexanoic Acid) in <i>Morinda citrifolia</i> L. Juice Distillates by Gas Chromatography. 14th Medicinal and Aromatic Plants Seminar 2016, Forest Research Institute Malaysia, Kuala Lumpur, Malaysia. 11 - 12 October 2016. 11. ZZ Ariffin, MS Ahmad, R Pepi, ZM Noor. (2015). Proteolytic fungi from virgin forest. International Symposium on Health and Medical Sciences. Krabi, Thailand. 1- 3 Dec. 2015 12. ZM Noor, MS Ahmad, ZZ Ariffin. (2015). Purification and characterisation of fibrinolytic enzymes from endophytic fungi and <i>Lignosus rhinocerus</i>. International Symposium on Science and Mathematics (ISySM2015). Bandung, Indonesia. 24 - 26 November 2015. 13. NIM Kamaruddin, NAM Ali, MF Safian, ZZ Ariffin. (2015) Chemical constituents and <i>in-vitro</i> antimicrobial activity of <i>Polyalthia stenopetala</i> essential oil. International Symposium on Health and Medical Sciences. Krabi, Thailand. 1- 3 Dec. 2015. 14. Mohd Sidek Ahmad, Zainon Mohd Noor and Zaidah Zainal Ariffin. (2014). Isolation and Identification Fibrinolytic Fungi from <i>Hibiscus</i> leaves in Shah Alam. International Conference on Agricultural, Biotechnology, Biological and Biosystems Engineering, Bali, Indonesia. 9 – 10 October 2014. 15. Ahmad MS, Zainal Ariffin Z and Mohd Noor Z. (2013) New Thrombolytic Agents from Fungi. International Conference on Natural Products 2013, Shah Alam, Selangor, Malaysia. March 2013. 16. Ariffin, S. H. I. Z., Yeen, W. W. O., Abidin, I. Z. A. Z., Abdul Wahab, R. M. E., Ariffin, Z. Z. A. & Senafi S. (2013) Cytotoxicity effect of degraded and undegraded kappa and iota carrageenan in human intestine and liver cell lines. International Conference on Natural Products 2013, Shah Alam, Selangor, Malaysia. March 2013. 17. Muhammad Basir, M., Wan Iryani, W. I. and Zaidah, Z. A. (2012). Antibacterial and Antiproliferative properties of Two Malaysian Honeys. 11th Asian Apicultural Association Conference, ApiExpo & Workshop. Kuala Terengganu, Malaysia. 28 Sept – 2 Oct 2012. 18. Muhammad Basir, M., Wan Iryani, W. I. and Zaidah, Z. A. (2012). Antibacterial activity of two Malaysian honeys, 1st International Postgraduate Conference on Pharmaceutical Sciences (iPoPS) 2012, Selangor, Malaysia, 28-30 June 2012.
Research and Publications	<p>Chapters in Books</p> <ol style="list-style-type: none"> 1. Wan Rozianoor Mohd Hassan, Mohd Fakhurul Zaman Raja Yahya, Zaidah Zainal Ariffin. (2012) Biochemistry Laboratory Manual. Penerbit Press UiTM. ISBN: 978-967-363-434-7.

2. Ahmad Sazali Hamzah, Nor Hadiani Ismail, **Zaidah Zainal Ariffin**, Zaini Hamzah Eds. (2003) Fine Chemicals from Natural Resources. Pusat Penerbitan Universiti UiTM. ISBN 9679581446, 9789679581447.

Articles in Refereed Journals (2009 –recent)

1. Biotransformation of nitrofurans antibiotics by *Aspergillus* species–Residual antibacterial activity (2018). Nur Syahira Mohammad, Muhd Fauzi Safian, Shahrul Hisham Zainal Ariffin and **Zaidah Zainal Ariffin**. Malaysian Journal of Biochemistry and Molecular Biology 2, 28 – 33.
2. Evaluation of Antimicrobial Activity, Radical Scavenging and Reducing Ability of Essential Oils (2018). **ZZ Ariffin**, FH Pendi, NS Mohammad, SHZ Ariffin, NAM Ali, MF Safian. Advanced Science Letters 24 (11), 7939-794.
3. Identification of Essential Oil Composition of *Piper aduncum* (2018). HMN Ariri, NIM Kamaruddin, AT Suhaimi, **ZZ Ariffin**, NAM Ali, MF Safian. Advanced Science Letters 24 (11), 8056-8058.
4. Impact of isolation method on doubling time and the quality of chondrocyte and osteoblast differentiated from murine dental pulp stem cells. (2017). RMA Wahab, NAM Rozali, S Senafi, IZZ Abidin, **ZZ Ariffin**, SHZ Ariffin. PeerJ 5, e3180
5. SHZ Ariffin, NAM Rozali, RMA Wahab, S Senafi, IZZ Abidin, **ZZ Ariffin**. (2016). Analyses of basal media and serum for in vitro expansion of suspension peripheral blood mononucleated stem cell. Cytotechnology 68 (4), 675-686.
6. Proteolytic fungi from virgin forest. (2016). **ZZ Ariffin**, MS Ahmad, R Pepi, ZM Noor. Jurnal Teknologi 78 (6-7), 37-41.
7. Purification and characterisation of fibrinolytic enzymes from endophytic fungi and *Lignosus rhinocerus*. (2016). ZM Noor, MS Ahmad, **ZZ Ariffin**. Jurnal Teknologi 78 (6-5), 53-57.
8. Chemical constituents and in-vitro antimicrobial activity of *Polyalthia stenopetala* essential oil. (2016). NIM Kamaruddin, NAM Ali, MF Safian, **ZZ Ariffin**. Jurnal Teknologi 78 (6-8), 43-47
9. Rohaya Megat Abdul Wahab, Zulham Yamamoto, Albira Sintian, Nurfathiha Abu Kasim, Intan Zarina Zainol Abidin, Sahidan Senafi, **Zaidah Zainal Ariffin** & Shahrul Hisham Zainal Ariffin. (2015). The Effects of Orthodontic Forces during Canine Retraction Using Self-ligating Brackets on Gingival Crevicular Fluid Enzyme Activity, Canine Movement and Root Resorption. Sains Malaysiana 44(2): 249–256.
10. Muhammad Shukri S., Muhd Fauzi S., Zainon M.N. and **Zaidah Z.A.** (2015). Morphotypic and Molecular Identification of Filamentous Fungi from Animal Agricultural Farm Contaminated Peat Soil. Advances in Environmental Biology 9(22): 1-5.
11. Mohd Sidek Ahmad, Zainon Mohd Noor and **Zaidah Zainal Ariffin**. (2014). Isolation and Identification Fibrinolytic Fungi from *Hibiscus* leaves in Shah Alam. International Journal of Biological Veterinary, Agricultural and Food Eng. 8 (10): 995-998.
12. Siti Norhaiza Hadzir, Siti Norsaidah Ibrahim, Rohaya Megat Abdul Wahab, Intan Zarina Zainol Abidin, Sahidan Senafi, **Zaidah Zainal Ariffin**, Mohamad Abdul Razak, Shahrul Hisham Zainal Ariffin. (2014). Ascorbic Acid Induces Osteoblast Differentiation Of Human Suspension Mononuclear Cells. Cytotherapy. 16: 674-682. doi: 10.1016/j.jcyt.2013.07.013.

	<p>13. Ariffin, S. H. I. Z., Yeen, W. W. O., Abidin, I. Z. A. Z., Abdul Wahab, R. M. E., Ariffin, Z. Z. A. & Senafi, S. (2014) Cytotoxicity effect of degraded and undegraded kappa and iota carrageenan in human intestine and liver cell lines. BMC Complementary and Alternative Medicine. 14: 508.</p> <p>14. Z. Yamamoto, IM Jaafar, RMA Wahab, ZZ Ariffin, IZZ Abidin, S Senafi and SHZ Ariffin. (2014). Profiles of Inflammatory Markers for Traumatized and Nontraumatized Incisors During Orthodontic Treatment with two Archwire Changes. Journal of Biological Sciences, 14(4): 299-304.</p> <p>15. Ahmad MS, Zainal Ariffin Z and Mohd Noor Z. (2013). New Thrombolytic Agents from Fungi. The Open Conference Proceedings Journal. 4: 140. DOI: 10.2174/2210289201304010140]</p> <p>16. Siti Afeefah, M.Y., Rohaya, M.A.W., Sahidan, S., Zaidah, Z.A., Mohamad Abdul Razak & Shahrul Hisham, Z.A. (2011). Proliferation and Biochemical Analyses of Osteoblast/Osteoclast Differentiation from Human Mononucleated Cells. 40(4): 305-309.</p> <p>17. Shahrul Hisham, Z.A., Zulham Yamamoto, Intan Zarina, Z.A., Rohaya, M.A.W. & Zaidah, Z.A. (2011). Cellular and Molecular Changes in Orthodontic Tooth Movement. The Scientific World Journal. 11: 1788-1803.</p> <p>18. Rohaya, M.A.W., Sahidan, S., Zaidah, Z.A., Fahrul Zaman, H., Nuraliza, A.W. and Shahrul Hisham, Z.A. (2010) Stability of Human Salivary Lactate Dehydrogenase in the Presence of Ethylenediaminetetraacetic Acid, Glycerol and Polyethylene Glycol at Various Temperatures: Preliminary Study. Journal of Biological Sciences. 10(6):520-525.</p> <p>19. Wan Haifa Haryani, W.O., Shahrul Hisham, Z.A., Zaidah, Z.A., Muhd Fauzi, S., Sahidan, S. dan Rohaya, M.A.W. (2010) Anticancer Screening of Ethanol Extract from Selected Piperaceae Family and its Determination via Trypan Blue Staining. Sains Malaysiana. 39(6):941-949.</p> <p>20. Shahrul Hisham, Z.A., Wan Haifa Haryani, W.O., Zaidah, Z.A., Muhd Fauzi, S., Sahidan, S. and Rohaya, M.A.W. (2009). Intrinsic Anticarcinogenic Effects of <i>Piper sarmentosum</i> Ethanolic Extract on Human Hepatoma Cell Line. Cancer Cell International. 9:6. doi: 10.1186/1475-2867-9-6.</p>
Community Service	Member of JMB Sri Acappella
Other Relevant Information	<p>Achievements/Awards:</p> <p>Program Coordinator Diploma Microbiology - 2001-2003 BSc Biomolecular Sciences - 2011-2013</p> <p>Anugerah Pehidmatan Cemerlang 2013 Fakulti Sains Gunaan UiTM Shah Alam Malaysia.</p> <p>Bronze Medal Innovation of New Rapid Test Kit for Evidence Recovery of Gunshot Residue. Invention, Innovation & Design Competition (IDD Johor 2013)</p>

	<p>Bronze Medal An Electrically Conductive Fabric as Anti Infection Agent. Scientific Research Innovation and Innovation Competition (SRIIC 2017). 15 August 2017.</p> <p>Internal Examiner</p> <p>PhD Halimatul Saadiah Mohammad Noor (2018) Urinary Metabolomic Profiling and Antihyperglycemic Properties of <i>Ficus deltoidea</i> Jack varieties in Sptreptozotocin-Nicotinamide Induced Diabetic Rats</p> <p>Nurnajah binti Ab Ghani (2017) Biotransformation of Selected Natural Products and Phytochemistry of Fermented <i>Alnus sieboldiana</i> and Liverwort <i>Conocephalum conicum</i></p> <p>Suhaidi bin Ariffin (2015) Screening for β-lactamase Inhibitors from Mangrove Soil Actinomycetes</p> <p>MSc (Research)</p> <p>Norzatushima bt Mohd Jamil (2018) Diversity of Peat Soil Filamentous Fungi form Selangor and Their Antimicrobial Activities</p> <p>Luqman bin Saidi (2017) Bioactivities of Selected Lichens</p> <p>Mizanurfakhri bin Ghazali (2017) Surface-associated proteins of <i>Bifidobacterium pseudocatenulatum</i> wild type KAKii that adhere to Caco-2 cell lines</p> <p>MSc (Mixed Mode) Farhana Binti Mohamad Izam Suhaimi (2017) Detection of Lipase gene of Local Soil Bacteria Isolated from Domestic Waste Sites</p> <p>Paper Reviewer for selected journals</p> <p>Grant Assessor for FRGS UiTM</p>
Field of expertise	Microbial Biotransformation, Microbial Secondary Metabolites, Phytochemistry