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Director

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[H-index](#) | [Citation](#) | [Research ID](#)



11 | 264 | Q-2385-2015



12 | 351 | 57193847048



15 | 774 | zarizalsuhaili

Publication

51

Journal
and
Articles

3

Chapters in
book

1

Co-authored
book

3

Conference
Proceedings

Education

2019 PhD (Medical Microbiology)
Universiti Putra Malaysia

2010 MSc (Molecular Diagnostics)
Universiti Sultan Zainal Abidin

2004 BSc (Biotechnology)
Universiti Putra Malaysia

2001 Diploma (Medical Lab. Technology)
Universiti Sains Malaysia

Administrative Experience

Deputy Director - Centre of Holistic Students Development | 1/3/2020 – 15/5/2021.

Co-curriculum Coordinator - Centre of Holistic Students Development | 1/2/2020 – 28/2/2020.

Lab. Coordinator - Faculty of Bioresources and Food Industry | 23/7/2019 – 31/12/2020.

Field of Research

- Microbiology (Bacteriology) | Bacterial diversity from community-associated, hospital-associated and livestock-associated pathogens
- Biotechnology | Bio-remedial waste water | Bio-aerosol
- Bioinformatics (Bacterial Informatics) | Genomes assembly, Genes annotation, Pan-genome analysis | Whole Genome Sequencing (WGS)

Working Experience

Year	Detail
2011 - Present	Senior Lecturer Faculty of Bioresources and Food Industry, UniSZA
2007 – 2011	Science Officer Faculty of Medicine and Health Sciences, UniSZA
2005 - 2007	Tutor Department of Cell and Mol. Biology, Faculty of Biotechnology and Biomolecular Sciences, UPM
August 2007	Part time lecturer Fakulti Sains Kesihatan, Universiti Darul Iman Malaysia
December 2007	Part time lecturer Fakulti Sains Kesihatan, Universiti Darul Iman Malaysia
2006	Demonstrator for Workshop on Bioinformatics, UPM
2004 – 2005	Research Assistant Department of Biochemistry and Microbiology, Faculty of Sciences and Environmental, UPM

Teaching Subject

No.	Course ID	Course Name	Session
1.	ASH 22503	Animal Microbiology	SEM I 2020/2021
2.	ASH 31604	Research Project I	SEM I 2019/2020
3.	ASH 33004	Research Project II	SEM II 2019/2020
4.	ASH 41904	Industrial Internship (Poultry)	SEM I 2019/2020
5.	ASH 43304	Industrial Internship (Ruminant/Equine)	SEM I 2019/2020
6.	ASH 42012	Industrial Internship (Poultry/Ruminant/Equine)	SEM II 2019/2020
7.	DBB 40603	Special Topic in Biomedical Sciences	SEM II 2019/2020
8.	MPU 31012	Ethnic Relations	SEM II 2019/2020
9.	ASH 22503	Animal Microbiology	SEM I 2019/2020
10.	ASH 10303	Fundamental Biochemistry in Animal Science	SEM I 2019/2020
11.	AXS 4473	Research Project II	SEM II 2016/2017
12.	AXS 4008	Industrial Training	SEM II 2014/2015
13.	APS 3642	Bioinformatics	SEM I 2014/2015
14.	APS 4653	Bioinformatics	SEM II 2014/2015
15.	ADS 3124	Microbiology	SEM II 2013/2014
16.	VHS 4013	Microbiology	SEM II 2012/2013
17.	VDS4111	Seminar	SEM I 2012/2013

Publication (Journal | Articles)

1. Nurul Diana Dzaraly, Mohd Nasir Mohd Desa, AbdulRahman Muthanna, Siti Norbaya Masri, Niazlin Mohd Taib, **Zarizal Suhaili**, Nurshahira Sulaiman, Nurul Hana Zainal Baharin, Cheah Yun Shuan, Zarina Ariffin, Nor Iza A. Rahman, Farahiyah Mohd Rani, Navindra Kumari Palanisamy, Tuan Suhaila Tuan Soh & Fatimah Haslina Abdullah. (2021). Antimicrobial susceptibility, serotype distribution, virulence profile and molecular typing of piliated clinical isolates of pneumococci from east coast, Peninsular Malaysia. *Sci Rep* 11, 8220 (2021). doi.org/10.1038/s41598-021-87428-z. [Indexed by: Scopus & ISI]
2. NS Mat Beyi, Z Embong, NM Sunar, MAB Abdul Latiff, F Abdullah, **Z Suhaili**. (2021). The elemental distribution study of heavy metals (Fe, Cu, Cd, As, Cr, Ni and Hg) in various fish species at local market in Muar, Johor using SEM-EDX. *IOP Conf. Ser.: Mater. Sci. Eng.* 1106 012030. [Indexed by: Scopus]
3. Mohamad Hanapi, N. H., Sayid Abdullah, S. H. Y., Khairuddin, Z., Mahmud, N. H., Monajemi, H., Ismail, A., **Suhaili, Z.**, Juahir, H. (2021). COD removal and colour degradation of textile dye effluents by locally isolated microbes. *International Journal of Environmental Analytical Chemistry*, doi:10.1080/03067319.2020.1839438. [Indexed by: Scopus]
4. Ahmad Bisyril Husin Musawi Maliki, Mohamad Razali Abdullah, Ahmad Nadzmi, Mohamad Amirur Rafiqi Zainoddin, Intan Meily Puspitasari, Nur Faizatul Amira Jibril, Nur Amirah Nawati, Siti Musliha Mat-Rasid, Rabi Muazu Musa, **Zarizal Suhaili**, Noor Aishah Kamarudin, Syed Kamaruzaman Syed Ali (2021). Kids motor performances datasets. *Data in Brief*, Volume 34, 2021, 106582, ISSN 2352-3409. <https://doi.org/10.1016/j.dib.2020.106582>. [Indexed by: Scopus]
5. Nurul Diana Dzaraly, AbdulRahman Muthanna, Mohd Nasir Mohd Desa, Niazlin Mohd Taib, Siti Norbaya Masri, Nor Iza A. Rahman, **Zarizal Suhaili**, Tuan Suhaila Tuan Soh, Fatimah Haslina Abdullah. (2020). Pilus islets and the clonal spread of piliated *Streptococcus pneumoniae*: A Review. *International Journal of Microbiology*. – Accepted [ISI Q2].
6. Syafinaz Amin Nordin, Rashizal Sazli Mohd Rasidin, Ami Fazlin Syed Mohamed, Rafidah Hod, Vasanthakumari Neela, and **Zarizal Suhaili**. (2020). Time-kill and post-antibiotic effect of colistin at different static concentrations in in vitro *Acinetobacter baumannii*. *Tropical Biomedicine*. 37(2); 471-481. [Indexed by: Scopus]
7. Muhammad F.T.A., Nurhasnida H., Chai M.H., Ghazali M.F., **Suhaili Z.**, and Ariffin S.M.Z. (2020). Prevalence and antimicrobial sensitivity pattern of *Staphylococcus aureus* isolated from clinical and subclinical mastitis in small ruminant in Besut and Setiu, Terengganu, Malaysia. *Malaysian Journal of Microbiology*. 16(2); 1-7. [Indexed by: Scopus]
8. Chai, M.H., Faiq, T.A.M., Ariffin, S.M.Z., **Suhaili, Z.**, Sukiman, M.Z., Ghazali, M.F. (2020). Prevalence of Methicillin Resistant *Staphylococcus aureus* in Raw Goat Milks from Selected Farms in Terengganu, Malaysia, *Tropical Animal Science Journal*, 43(1); pp. 64-69. [Indexed by: Scopus]
9. Ezhumalai, M., Muthanna, A.R., **Suhaili, Z.**, Dzaraly, N.D., Nordin, S.A., Azmai, M.N.A., Desa, M.N.M. (2020). Multilocus Sequence Typing Analysis of Invasive and Non-Invasive Group B *Streptococcus* of Hospital Origin in Malaysia. *Malaysian Journal of Medical Sciences* 27(1):134–138. [Indexed by: Scopus]
10. **Zarizal, S.**, Yeo, C.C., Faizal, G.M., Chew, C.H., Zakaria, Z.A., Al-Obaidi, M.M.J., Amin, N.S., Nasir, M.D.M. (2018). Nasal Colonisation, Antimicrobial Susceptibility And Genotypic Pattern of *Staphylococcus aureus* Among Agricultural Biotechnology Students in Besut, Terengganu, East Coast of Malaysia. *Tropical Medicine And International Health*, pp. 905-913, ISSN: 13602276 [Indexed by: ISI Q2]
11. **Suhaili, Z.**, Rafee, P.A., Mat Azis, N., Yeo, C.C., Nordin, S.A., Abdul Rahim, A.R., Al-Obaidi, M.M.J., Mohd Desa, M.N. (2018). Characterization of Resistance To Selected Antibiotics And Pantovalline Leukocidin-positive *Staphylococcus aureus* in A Healthy Student Population At A Malaysian University, *Germs*, pp. 1-10, ISSN: 2248 – 2997 [Indexed by: Scopus]
12. Pung, H.P., Mat Azis, N., Abdul Rachman, A.R., Jamaluddin, T.Z.M.T., Amin Nordin, S., **Suhaili, Z.**, Zakaria, Z.A., Mohd Desa, M.N. (2017). Presence of Methicillin Resistance And Heteroresistance Among Coagulase Negative *Staphylococci* (cons) Isolates Obtained from Health Sciences Students At A Public University, *Tropical Biomedicine*, pp. 84-88, ISSN: 01275720 [Indexed by: ISI Q4]

13. Mat Azis N, Pung HP, Abdul Rachman AR, Amin Nordin S, Sarchio SNE, **Suhaili Z**, Mohd Desa MN. (2017). A Persistent Antimicrobial Resistance Pattern And Limited Methicillin-resistance-associated Genotype in A Short-term *Staphylococcus aureus* Carriage Isolated from A Student Population (2017), Journal of Infection And Public Health, pp. 156-164, ISSN: 18760341 [Indexed by: ISIQ4]
14. Ha, H.C., Nguang, S.I., **Zarizal S.**, Komilus C.F., Norshida I., Ahmad-Syazni K. (2017). Genetic Diversity of Kampung Chicken (gallus *Gallus Domesticus*) from Selected Areas in East Coast Peninsular Malaysia Inferred from Partial Control Region of Mitochondrial DNA, Malaysian Applied Biology, pp. 63-70, ISSN: 01268643 [Indexed by: Scopus]
15. Mohd Nizam Lani, Tan Ai Peng, **Zarizal Suhaili**, and Zaiton Hassan. (2017). Microbiological Evaluation on Raw Materials And Food Contact Surfaces of 'keropok Lekor' Premises in Kuala Nerus, Terengganu And Their Prevalence of Antibiotic Resistant Bacteria, Malaysian Applied Biology, pp. 71-80, ISSN: 01268643 [Indexed by: Scopus]
16. Muhammad Hailmi Sajili, Bibi Nazihah Mohd Din, Noor Afiza Badaluddin, **Zarizal Suhaili**, Zakry Fitri Ab Aziz, Kadir Jugah. (2017). Identification of *Coniella Musaiaensis* As Pathogen Causing Stem Rot Disease of *Hibiscus Cannabinus* L. in Terengganu, Malaysia, World Applied Sciences Journal, pp. 1342-1347, ISSN: 1818-4952 [Indexed by: ERA]
17. B.N.M. Din, J Kadir, M.S. Hailmi, K Sijam, N.A. Badaluddin, **Z Suhaili**. (2017). First Report of *Chryseobacterium Indologenes* As Causal Agent for Crown Rot of Papaya (*Carica papaya* L.) in Peninsular Malaysia, Journal of Fundamental And Applied Sciences, pp. 821-840, ISSN: 1112-9867 [Indexed by: ISI]
18. Lean, S.-S., Yeo, C.C., **Suhaili, Z.**, Thong, K.L. (2016). Comparative Genomics of Two ST 195 Carbapenem-resistant *Acinetobacter baumannii* With Different Susceptibility To Polymyxin Revealed Underlying Resistance Mechanism, Frontiers in Microbiology, pp. 1, ISSN: 1664302X [Indexed by: ISIQ1]
19. **Suhaili, Z.**, Lean, S.S., Mohamad, N.M., Rachman, A.R.A., Desa, M.N.M., Yeo, C.C. (2016). Draft Genome Sequence of *Staphylococcus aureus* KT/312045, An ST1-MSSA Pvl Positive Isolated from Pus Sample in East Coast Malaysia, Genomics Data, pp. 111-112, ISSN: 22135960 [Indexed by: Scopus]
20. Hamdan, M.H., Othaman, M.A., **Suhaili, Z.**, Shukor, M.S., Halmi, M.I.E., Abdullah, S.R.S., Shamaan, N.A., Shukor, M.Y. (2016). Isolation And Characterization of A Heavy Metal reducing *Enterobacteriaceae bacterium* Strain Dry 7 With The Ability To Assimilate Phenol And Diesel, Indian Journal of Science And Technology, pp. 1-10, ISSN: 09746846 [Indexed by: Scopus]
21. Hasnam, C.N.C., Juahir, H., Azid, A., Amran, M.A., Azaman, F., Mustafa, A.D., **Suhaili, Z.**, Ismail, S.M., Yusof, K.A., Hasnam, C.F.N.C. (2016). A Study of Microbe Air Levels in Selected Rooms of A Hospital Cultivated on Two Culture Medias, Malaysian Journal of Analytical Sciences, pp. 1217 - 1224, ISSN: 1394 - 2506 [Indexed by: Scopus]
22. Lean, S.S., Yeo, C.C., **Suhaili, Z.**, Thong, K.L. (2015). Whole-genome Analysis of An Extensively Drug-resistant Clinical Isolate of *Acinetobacter baumannii* AC12: Insights Into The Mechanisms of Resistance of An ST195 Clone from Malaysia (2015), International Journal of Antimicrobial Agents, pp. 178-182, ISSN: 09248579 [Indexed by: ISIQ1]
23. Lean, S.S., Yeo, C.C., **Suhaili, Z.**, Thong, K.L. (2015). Comparative Genomics of Two ST 195 Carbapenem-resistant *Acinetobacter baumannii* With Different Susceptibility To Polymyxin Revealed Underlying Resistance Mechanism, Frontiers in Microbiology, pp. 1440-1445, ISSN: 1664-302X [Indexed by: ISIQ2]
24. Abdulaziz Rabi Abdulkadir, **Zarizal Suhaili** and Md. Sarwar Jahan. (2015). Antibacterial Screening of Different Part of Drumstic Tree (*Moringa oleifera* Lam), Journal of Chemical And Pharmaceutical Research, pp. 500-505, ISSN: 0975-7384 [Indexed by: Scopus]
25. Azid, A., Juahir, H., Amran, M.A., **Suhaili, Z.**, Osman, M.R., Muhamad, A., Abidin, I.Z., Sulaiman, N.H., Saudi, A.S.M. (2015). Spatial Air Quality Modelling Using Chemometrics Techniques: A Case Study in Peninsular Malaysia, Malaysian Journal of Analytical Sciences, pp. 1415-1430, ISSN: 13942506 [Indexed by: Scopus]
26. Osman, M.R., Azid, A., Yunus, K., Mustafa, A.D., Amran, M.A., Azaman, F., **Suhaili, Z.**, Bakar, Y.A., Zainuddin, S.F.M. (2015). Assessment on Bacteria in The Heavy Metal Bioremediation [penilaian Ke Atas Bakteria Dalam Bioremediasi Logam Berat], Malaysian Journal of Analytical Sciences, pp. 1405-1414, ISSN: 13942506 [Indexed by: Scopus]
27. Siti Rukhaiyah S., Abdul Rahim A.R., Cheah, Y.K., Zainul A.K., **Zarizal S.**, Niazlin M.T., Mohd Nasir M.D. (2015). Comparative Phenotypic And Genotypic Properties of Pseudomonas Aeruginosa Isolates from Clinical

- And Environmental Sources, Asia Pacific Environmental And Occupational Health Journal, pp. 54 – 6, ISSN: 1010-5395 [*Indexed by: Other Index*]
28. Nor Hazwani M.H., Amir I.Z., Mohd Nizam L., Aidilla M., and **Zarizal S.** (2015). Identification of Lactic Acid Bacteria from Meliponine Honey And Their Antimicrobial Activity Against Pathogenic Bacteria, American- Eurasian Journal of Sustainable Agriculture, pp. 1-6., ISSN: 1995-0748 [*Indexed by: Scopus*]
 29. Azis, N.M., Hamid, A.A., Pung, H.P., Abdul Rafee, P.A., Yahya, F.A., Amin Nordin, S., Neela, V., **Suhaili, Z.**, Mohd Desa, M.N. (2014). *Staphylococcus aureus* Infection Risk in A Population of Health Sciences Students at a Public University (2014), Iranian Journal of Public Health, pp. 112-116, ISSN: 03044556 [*Indexed by: ISIQ4*]
 30. Balan, T., Mohd. Sani, M.H., Suppaiah, V., Mohtarrudin, N., **Suhaili, Z.**, Ahmad, Z., Zakaria, Z.A. (2014). Antiulcer Activity of *Muntingia calabura* Leaves Involves The Modulation of Endogenous Nitric Oxide And Non protein Sulfhydryl Compounds (2014), Pharmaceutical Biology, pp. 410-418, ISSN: 13880209 [*Indexed by: Scopus*]
 31. Kamarolzaman, M.F.F., Yahya, F., Mamat, S.S., Jakius, K.F., Mahmood, N.D., Shahril, M.S., Mohtarrudin, N., **Suhaili, Z.**, Zakaria, Z.A. (2014). Gastroprotective Activity And Mechanisms of Action of *Bauhinia purpurea* Linn (*leguminosae*) Leaf Methanol Extract, Tropical Journal of Pharmaceutical Research, pp. 1889-1898, ISSN: 15965996 [*Indexed by: Scopus*]
 32. Kooi, O.K., Ling, C.Y., Rodzi, R., Othman, F., Mohtarrudin, N., **Suhaili, Z.**, Zakaria, Z.A. (2014). Chemopreventive Activity of Methanol Extract of *Melastoma malabathricum* Leaves in DMBA-induced Mouse Skin Carcinogenesis, African Journal of Traditional, Complementary And Alternative Medicine, pp. 66-70, ISSN: 01896016 [*Indexed by: Scopus*]
 33. **Suhaili, Z.**, Lean, S.S., Yahya, A., Mohd Desa, M.N., Ali, A.M., Yeo, C.C. (2014). Draft Genome Sequence of Methicillin-resistant *Staphylococcus aureus* KT/Y21, A Sequence Type 772 (ST772) Strain Isolated from A Pediatric Blood Sample in Terengganu, Malaysia, Genome Announcements, pp. 1-2, ISSN: 2169-8287 [*Indexed by: Scopus*]
 34. Lean SS., **Zarizal S.**, Salwani I., Nor Iza A.R., Norlela O., Fatimah H.A., Zakaria J., Yeo C.C., and Kwai-Lin T. (2014). Prevalence And Genetic Characterization of Carbapenem- And Polymyxin-resistant *Acinetobacter baumannii* Isolated from A Tertiary Hospital in Terengganu, Malaysia, ISRN Microbiology, pp. 1-9, ISSN: 2356-7872 [*Indexed by: Other Index*]
 35. Chuah E.L., Zakaria A.A., **Suhaili Z.**, Abu Bakar S., Desa M.N.M. (2014). Antimicrobial Activities of Plant Extracts Against Methicillin-susceptible And Methicillin-resistant *Staphylococcus aureus*, Journal of Microbiology Research, pp. 6-13, ISSN: 2166-5885 [*Indexed by: Other Index*]
 36. Yahya, F., Mamat, S.S., Kamarolzaman, M.F.F. Seyedan, A.A., Jakius, K.F., Mahmood, N.D., Shahril, M.S., **Suhaili, Z.**, Mohtarrudin, N., Susanti, D., Somchit, M.N. Teh, L.K., Salleh, M.Z., Zakaria, Z.A. (2013). Hepatoprotective Activity of Methanolic Extract of *Bauhinia purpurea* Leaves Against Paracetamol-induced Hepatic Damage in Rats, Evidence-based Complementary And Alternative Medicine, pp. 1-2, ISSN: ISSN: 1741427X [*Indexed by: ISIQ2*]
 37. **Suhaili, Z.**, Johari, S.A, Sajili, M.H., Yahya, A., Zakaria, Z.A., Mohd Desa, M.N., Ali, A.M. (2012). *In Silico* PCR Verification And Simplex Real-time Pcr Detection of Methicillin-resistant *Staphylococcus aureus* (MRSA) from East Coast Malaysian Clinical Isolates, Walailak Journal of Science And Technology, pp. 237-246, ISSN: 16863933 [*Indexed by: Scopus*]
 38. Atefeh S., Farhana Y., Mohammad F.F.K, **Zarizal S**, Mohd Nasir M.D., Hussain M.K., Somchit M.N., Fatimah CA., The L.K., Salleh M.Z., Zakaria Z.A. (2013). Review on The Ethnomedicinal, Phytochemical And Pharmacological Properties of *Piper sarmentosum*: Scientific Justification of Its Traditional Use, Tang Humanitas Traditional Medicine, pp. 1-32, ISSN: 2233-8985 [*Indexed by: Other Index*]
 39. Teh, C.S.J., **Suhaili, Z.**, Lim, K.T., Khamaruddin, M.A., Yahya, F., Sajili, M.H., Yeo, C.C., Thong, K.L. (2012). Outbreak-associated *Vibrio cholera* Genotypes With Identical Pulsotypes, Malaysia, 2009, Emerging Infectious Diseases, pp. 1177-1179, ISSN: 1080-6040 [*Indexed by: ISIQ1*]
 40. Gan, H.M., Lean, S.S., **Suhaili, Z.**, Thong, K.-L. bEmail Author, Yeo, C.C.c (2012). Genome Sequence of *Acinetobacter baumannii* AC12, A Polymyxin-resistant Strain Isolated from Terengganu, Malaysia, Journal of Bacteriology, pp. 5979-5980, ISSN: 00219193 [*Indexed by: Scopus*]
 41. Desa, M.N.M., Tasrip, N.A., Kqueen, C.Y., Zin, N.Z.M., Zakaria, Z.A., **Suhaili, Z.**, Pei, C.P., Shamsudin, M.N. (2012). A Comparison Between Aerial Mass Colors, Antibacterial Activities And Rapd Fingerprints of Soil Isolates of Streptomyces, Journal of Biological Sciences, pp. 218-224, ISSN: 17273048 [*Indexed by: Scopus*]

42. Lim, K.T., Yeo, C.C., **Suhaili, Z.**, Thong, K.L. (2012). Comparison of Methicillin-resistant And Methicillin-sensitive *Staphylococcus aureus* Strains Isolated from A Tertiary Hospital in Terengganu, Malaysia, Japanese Journal of Infectious Diseases, pp. 502-509, ISSN: 13446304 [*Indexed by: Scopus*]
43. **Suhaili, Z.**, Yeo, C.C., Yasin, H.N., Badaludin, N.A., and Zakaria, Z.A. (2011) Antibacterial Profile of Jatropa Curcas Latex Extracts Against Selected Human Pathogenic Bacteria, African Journal of Microbiology Research, pp. 5147-5154, ISSN: 19960808 [*Indexed by: Scopus*]
44. Hailmi M.S, Kadir J., Tajul A.A., **Zarizal S**, Noor Muzamil M, Mohd N.B., Norhayati N., Noor Afiza B., and Salmah M. (2011). Potential of *Exserohilum monoceras* As A Bioherbicide for Controlling *Echinochloa crus-galli* (rumput Sambau) (2011), Journal of Agrobiotechnology, pp. 1-15, ISSN: 1985-5133 [*Indexed by: Other Index*]
45. Shukor, M.Y., Rahman, M.F., **Suhaili, Z.**, Shamaan, N.A., Syed, M.A. (2010). Hexavalent Molybdenum Reduction To Mo-blue By *Acinetobacter calcoaceticus*, Folia Microbiologica, pp. 137-143, ISSN: 00155632 [*Indexed by: Scopus*]
46. Shukor, M.Y., Rahman, M.F., **Suhaili, Z.**, Shamaan, N.A., Syed, M.A. (2009). Bacterial Reduction of Hexavalent Molybdenum To Molybdenum Blue, World Journal of Microbiology And Biotechnology, pp. 1225-1234, ISSN: 09593993 [*Indexed by: Scopus*]
47. **Suhaili, Z.**, Johari, S.A., Mohtar, M., Abdullah, A.R.T., Ahmad, A., Ali, A.M. (2009). Detection of Malaysian Methicillin-resistant *Staphylococcus aureus* (MRSA) Clinical Isolates Using Simplex And Duplex Real-time PCR, World Journal of Microbiology And Biotechnology, pp. 253-258, ISSN: 09593993 [*Indexed by: Scopus*]
48. Rahman, M.F.A., Shukor, M.Y., **Suhaili, Z.**, Mustafa, S., Shamaan, N.A., Syed, M.A. (2009). Reduction of Mo(vi) By The Bacterium *Serratia* Sp. Strain Dry5, Journal of Environmental Biology, pp. 65-72, ISSN: 02548704 [*Indexed by: Scopus*]
49. Saiful, A.J., Mastura, M., **Zarizal, S.**, Mazurah, M.I., Shuhaimi, M., Ali, A.M. (2008). Efflux Genes And Active Efflux Activity Detection in Malaysian Clinical Isolates of Methicillin-resistant *Staphylococcus aureus* (MRSA), Journal of Basic Microbiology, pp. 245-251, ISSN: 0233111X [*Indexed by: Scopus*]
50. Saiful, A.J., Mastura, M., **Zarizal, S.**, Mazurah, M.I., Shuhaimi, M., Ali, A.M. (2006). Detection of Methicillin-resistant *Staphylococcus aureus* Using *mecA/nuc* Genes And Antibiotic Susceptibility Profile of Malaysian Clinical Isolates, World Journal of Microbiology And Biotechnology, pp. 1289-1294, ISSN: 09593993 [*Indexed by: Scopus*]
51. Shuhaimi, M., **Suhaili, Z.**, Ali, A. M., Yazid, A. M., Farouk, G., & Sipat, A. B. (2005, August). Differentiation of *Bifidobacterium longum* strains using real-time PCR with SYBR Green I dye and melting curve analysis. Journal of Biotechnology (Vol. 118, pp. S161-S161).

Book

1. Cell And Molecular Biology Techniques A Laboratory Manual (2020), Penerbit UniSZA, ISBN: 978-967-2231-44-8 - Co-author. - [Published]
2. Bacterial Whole Genome Sequences Analysis; Basic Guide Bioinformatics Platforms – In Progress

Chapters in Book

1. Mohd Nizam Lani, Nurul Fatin Malek Rivan, Adilah Ismail, Wan Bayani Wan Omar, Zaiton Hassan and **Zarizal Suhaili**. (2019). Comparative Study of Physico-chemical Analyses of Different Water Resources in Setiu Wetland, Terengganu., Greater Kenyir Landscapes, Springer Nature Switzerland, pp. 25-37, ISBN: 978-3-319-92263-8
2. Mazen M. Jamil Al-Obaidi, **Zarizal Suhaili** and Mohd Nasir Mohd Desa (2018). Genotyping Approaches for Identification And Characterization of *Staphylococcus aureus*, Genotyping, Intechopen, pp. 85 - 105 , ISBN: 978-1-78923-281-3
3. Abdul Rahim Abdul Rachman, **Zarizal Suhaili**, Mohd Nasir Mohd Desa (2017). The Evolution And Dissemination of Methicillin Resistance Determinant in *Staphylococcus aureus*, The Rise of Virulence And Antibiotic Resistance in *Staphylococcus aureus*, InTechOpen, pp. 1-22, ISBN: 978-953-51-2984-4

Conference Proceedings

1. The persistence of a ST239-MRSA-III lineage over two decades in Malaysia. (2019). The International Congress of The Malaysian Society for Microbiology 2019 (ICMSM 2019)
2. Prevalence of MRSA in Goat and Sheep Milk in Terengganu. (2018). Seaohun 2018 International Conference, Hanoi Medical University
3. Prevalence of MRSA in Milk from Selected Dairy Goat Farms in Besut and Setiu, Terengganu (2017). 29th Veterinary Association Malaysia Congress, Shah Alam

Research Grant

Principal Investigator

1. Molecular Characterization and Comparative Genomic of Multidrug-Resistant *Staphylococcus aureus* From Farmed Goats in Terengganu, SKIM GERAN PENYELIDIKAN FUNDAMENTAL – FRGS (2020-2023)
Grant Value: 121,200.00
2. Active Efflux And Real-time PCR Detection of Malaysian Clinical Isolates of Methicillin-resistant *Staphylococcus aureus* (MRSA), Geran Dalaman Universiti, University (2010), **Grant Value: RM46,000.00**

Co-Researcher

1. Genome Characterization And Evolution of Multidrug-resistant *Staphylococcus aureus* Clinical Isolates from Terengganu, Malaysia., Skim Geran Penyelidikan Fundamental - FRGS, Government (2019), Grant Value: **RM189,400**
2. Relationship Between Water Quality Status And The Growth of Mangrove Via Probing Technique At Selected Mangrove Area in Peninsular Malaysia, Geran Agensi Luar, Government (2016), Grant Value: **RM30,000**
3. Molecular And Morphological Identification of Unknown Amoeba Species Isolated from Gills of Tilapia, Dana Pembudayaan Penyelidikan - RAGS, External - Government (2014), Grant Value: **RM62,890**
4. Development of A Rapid Molecular Detection Method Using Real-time PCR for *Candidates liberibacter*, Skim Geran Penyelidikan Fundamental - FRGS, Government (2010), Grant Value: **RM41,002**
5. Isolation And Screening of Thremostable Phytase Producing Bacteria from Hot Spring in Malaysia, Geran Dalaman Universiti, University (2008), Grant Value: **RM20,000**

Postgraduate Students

Co Supervision

Matric No.	Name		Level	Status
SL0618	Che Noraini Binti Che Hasnam	UniSZA	PhD	Completed
SL0696	Nur Hanis Binti Mohamad Hanapi	UniSZA	PhD	Completed
SL0527	Mustapha Jamilu Adamu (Nigeria)	UniSZA	Master	Completed
SL0535	Aliyu Garba Khaleel (Nigeria)	UniSZA	Master	Completed
GSK1901	Adilah Binti Ismail	UMT	Master	Completed

Community Involvement

Body/Institution	Appointment	Category	Date
• Felo Penyelidik, Institut Penyelidikan Alam Sekitar Pantai Timur (ESERI), UniSZA	Research fellow	University	2020-2022
• Malaysian Society for Microbiology (MSM)	Member	National	2019-2020
• Member of Undergraduate Thesis Selection and Evaluation Committee for Malaysian Society for Microbiology Award	Judge/Jury/Evaluator	National	2019
• One Health PBL Book 2 Sessions with Multidisciplinary Students, Malaysia One Health University Network (MyOHUN)	Speaker/Trainer	National	2019
• Industry Centre of Excellence (Biotechnology), Universiti Malaysia Pahang (UMP)	Research Fellow	National	2015-2017
• Ahli Jawatankuasa SIG (Special Interest Group) Lebah dan Kelulut UMT	Research Committee	University	2015
• Felo Penyelidik, Institut Penyelidikan Alam Sekitar Pantai Timur (ESERI), UniSZA	Felo Penyelidik	University	2015-2016

University Involvement

Role/Contribution	Category	Date
• Ahli Jawatankuasa Penilaian Harga Bagi Perolehan Makmal - Fakulti Farmasi	University	2019-2020
• Ahli Jawatankuasa Makmal Berpusat UniSZA	University	2019-2020
• Ahli Jawatankuasa Program Santuni Ramadan 1440H	Faculty/PTJ	2019
• Pencatat dan Pelapor bagi Program Advokasi Ilmuwan anjuran UniSZA dan Majlis Professor Negara (MPN) dan RTM	University	2015
• Ahli Jawatankuasa Penyediaan Teks Ucapan Sempena Majlis Konvokesyen kali ke-7 UniSZA	University	2015
• Pembaca Nama Sempena Majlis Konvokesyen ke-6 UniSZA	University	2014
• Ahli Jawatankuasa ICT Fakulti Pertanian dan Bioteknologi	University	2009

Award

Name of Award	Date
• Anugerah Ulul AI-Bab (Anugerah Penyelidik Muda) Universiti Sultan Zainal Abidin	2010
• Sijil Perkhidmatan Cemerlang, Universiti Sultan Zainal Abidin – Leader	2012
• Sijil Perkhidmatan Cemerlang, Universiti Sultan Zainal Abidin – Leader	2011
• Sijil Perkhidmatan Cemerlang, Majlis Anugerah Kecemerlangan Staf UniSZA – Leader	2010
• Sijil Perkhidmatan Cemerlang, Majlis Anugerah Kecemerlangan Staf UniSZA – Leader	2008

Professional Membership

1. Teknologis Profesional Dalam Bidang Biotechnology (BT), Lembaga Teknologis Malaysia | 2021.
2. Teknologis Berijazah (Lembaga Teknologis Malaysia-MBOT) | 2020-2030
3. Mejar Bersekutu (PA) Angkatan Pertahanan Malaysia | 2020 - 2025
4. Member - Malaysian Society for Microbiology (MSM) | 2019-2020

Referees

1. **Professor Dr. Hafizan Juahir**
Assistant Vice Chancellor (Special Project)
Universiti Sultan Zainal Abidin, Gong Badak Campus
2. **Professor Dr. Shahir Shamsir Omar**
Deputy Vice-Chancellor (Research and Innovation)
Universiti Tun Hussein Onn Malaysia
3. **Associate Prof. Dr. Mohd Nasir Mohd Desa**
Director
Halal Products Research Institute
Universiti Putra Malaysia, 43400 Serdang, Selangor