

## CURRICULUM VITAE



### **Prof. Dr. Tengku Mohammad Ariff Bin Raja Hussin Professor**

Fakulti Perubatan, Kampus Gong Badak, Universiti Sultan Zainal Abidin,  
Terengganu Darul Iman.

#### **Personal Information**

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<b>Email :</b>	tg_mariff@unisza.edu.my
<b>Gender :</b>	Male
<b>D.O.B :</b>	30 November 1960
<b>Age :</b>	60
<b>Race :</b>	Malay
<b>Religion :</b>	Islam
<b>Current Scheme:</b>	VK07
<b>Started in UniSZA:</b>	01 February 2014
<b>Qualification :</b>	Ph.D Public Health, <i>The Johns Hopkins University</i> , 2002.  Master in Science (public Health), <i>National University Of Singapore</i> , 1991.  Ijazah Sarjana Muda Perubatan, <i>Universiti Kebangsaan Malaysia, Bangi</i> , 1985.
<b>H-Index :</b>	[Scopus: 5][Google Scholar: 25]

#### **Area of Research**

Occupational Health, Safety and Environment, Public Health / Community Health, Health Care Management, Biomedical Resources and Integrative Medicine Research.

#### **Work Experience**

- Medical Officer (1985-1986)
- Surgical Officer (1986-1987)
- Medical Officer in-charge of Health Center 1988
- Hospital Director and Health Department Director (1988-1994)
- Lecturer University Sains Malaysia (1994 ... 2014)
- Public Health Intern in Johns Hopkins Hospital, US (2000-2001)
- Technical Advisor Environmental and Occupational Health, WHO, Geneva, Switzerland (2006-2007)
- Health Consultant to the Municipality of Makkah (2008-2011)
- Lecturer UniSZA (Feb 2014 - present).

### ***Administrative Responsibility***

1. Pengarah, Institut Pembangunan (kesihatan) Masyarakat, 01 Nov 2015 - 31 Oct 2017.
2. Pengarah (lantikan Pertama), Institut Pembangunan (kesihatan) Masyarakat, 01 Nov 2015 - 31 Oct 2017.
3. Pengarah, Institut Pembangunan (kesihatan) Masyarakat, 01 Nov 2015 - 31 Oct 2017.
4. Pengarah (lantikan Kedua), Institut Pembangunan (kesihatan) Masyarakat, 01 Jan 2018 - 31 Dec 2018.

### **Training**

1. Chemical Health Risk Assessment (chra Module 3), 02 Oct 2017 - 13 Oct 2017, NIOSH, Bangi, Selangor
2. Program Penilaian Kompetensi Kepimpinan Pendidikan Tinggi (akept), 17 Oct 2018 - 17 Oct 2018, Akademi Kepimpinan Tinggi KPM.
3. Communication Power and New Media, 25 Jul 2017 - 26 Jul 2017, Akademi Kepimpinan Tinggi KPM.
4. Leadership in University-Community Engagement, 17 Mar 2016 - 18 Mar 2016, Akademi Kepimpinan Tinggi KPM.
5. Akept Leadership Talk Series, 21 Apr 2016 - 21 Apr 2016, Akademi Kepimpinan Tinggi KPM.

### **Publication**

#### ***Journal Article***

1. Molecular Orbitals of Delocalized Electron Clouds in Neuronal Domains (2019), Biosystems, pp. 1-2, ISSN: 03032647 [*Indexed by: ISI/Q3 - Co-author*]
2. Development of Biodegradable Sustained-Release Damnacanthal Nanocapsules for Potential Application in In-Vitro Breast Cancer Studies (2019), Pakistan Journal of Pharmaceutical Sciences, pp. 2155-2162, ISSN: 1011-601X. [*Indexed by: ISI/Q4 - Co-author*]
3. Theorizing How The Brain Encodes Consciousness Based on Negentropic Entanglement

- (2019), Journal of Integrative Neuroscience, pp. 1-10, ISSN: 02196352 [*Indexed by: ISIQ4 - Co-author*]
4. Characterization of Biofilm Formation by Escherichia Coli: an in Vitro Study (2019), Journal of Applied Biology & Biotechnology, pp. 17-19, ISSN: 2347212X [*Indexed by: Scopus - Co-author*]
  5. Factors Influencing Safety Behaviour Among Primary School Teachers in Kuala Nerus, Malaysia (2019), International Journal of Recent Technology and Engineering, pp. 345-351, ISSN: 22773878 [*Indexed by: Scopus - Main Author*]
  6. Safety and Health in Schools (2019), International Journal of Recent Technology and Engineering, pp. 251-258, ISSN: 22773878 [*Indexed by: Scopus - Main Author*]
  7. Safety Accidents at The Workplace (2019), International Journal of Recent Technology and Engineering, pp. 238-245, ISSN: 22773878 [*Indexed by: Scopus - Main Author*]
  8. Psychophysiology of Chronic Stress: an Example of Mind-Body Interaction (2019), Neuroquantology, pp. 53-63, ISSN: 13035150 [*Indexed by: Scopus - Co-author*]
  9. The Study on The Influential Factors on Cost Containment in Health Care (2019), Research J. Pharm. and Tech., pp. 5157-5162, ISSN: 0974-3618 [*Indexed by: Scopus - Co-author*]
  10. Guidelines on Safe Work Practice when Commuting in Oil Palm Plantations (2019), International Journal of Recent Technology and Engineering (ijrte), pp. 222 -228, ISSN: 2277-3878 [*Indexed by: Scopus - Co-author*]
  11. Effect of Stress on Alteration of Haematological Parameters: a Preliminary Study on Preclinical Medical Students in Malaysia (2019), Journal of Cellular Neuroscience and Oxidative Stress, pp. 852-860, ISSN: 21497222 [*Indexed by: Scopus - Main Author*]
  12. The Superiority of Supercritical Fluid Extraction Over Steam Distillation and Solvent Extraction Methods for The Extraction of Aroma from Salacca Zalacca (gaertn.) Voss (2019), Oriental Journal of Chemistry, pp. 1669-1677, ISSN: 0970-020X [*Indexed by: Other Index - Co-author*]
  13. Prevalence Study on Tobacco Smoking and Related Factors of Among Residents of a Suburb Kuala Terengganu, Malaysia (2019), Research Journal of Pharmacy and Technology, pp. 2430-2438, ISSN: 0974-360X [*Indexed by: Other Index - Co-author*]
  14. On Intrinsic Information Content of The Physical Mind in Quantized Space: Against Externalism( (2019), Axiomathes, pp. 127-137, ISSN: 11221151 [*Indexed by: ISI - Co-author*]
  15. Prophetic Vegetable Pumpkin, Its Impressive Health Benefits and Total Analysis (2019), Bioscience Research, pp. 3987-3999., ISSN: 1811-9506 [*Indexed by: ISI - Co-author*]
  16. The Brain-Derived Neurotrophic Factor (bdnf) Gene Val66met (rs6265) Polymorphism and Stress Among Preclinical Medical Students in Malaysia (2019), Journal of Taibah University Medical Sciences, pp. 431-438, ISSN: 16583612 [*Indexed by: ISI - Co-author*]
  17. Medical Benefits of Agarwood: a Review (2019), Bioscience Research, pp. 2157-2164, ISSN: 2218-2164 [*Indexed by: ISI - Main Author*]
  18. Dynamic Renal Scintigraphy: Technetium99m (tc99m) Diethylenetriaminepentaacetic Acid (dtpa), Breast Cancer Center of International Islamic University Malaysia (iium) Experience (2019), Bioscience Research, pp. 2353-2359, ISSN: 2218-2359 [*Indexed by: ISI - Co-author*]
  19. Development of an Amperometric Glucose Biosensor Based on The Immobilization of Glucose Oxidase on The Se-McM-41 Mesoporous Composite (2018), Journal of Analytical Methods in Chemistry, pp. 1-2, ISSN: 20908865 [*Indexed by: ISIQ3 - Co-author*]
  20. Spontaneous Potentiality as Formative Cause of Thermo-Quantum Consciousness (2018), Journal of Integrative Neuroscience, pp. 371-385, ISSN: 02196352 [*Indexed by: ISIQ4 - Co-author*]
  21. Validation of a Tool to Measure Occupational Safety and Health Performance of Employees

- (2018), Research Journal of Pharmacy and Technology, pp. 2977-2984, ISSN: 0974-3618 [Indexed by: Scopus - **Main Author**]
22. A Review on Comprehensive Development of Conceptual Framework for Scoring Tool of Professionalism Assessment Among Medical Undergraduates in Malaysia (2018), Iosr Journal of Research & Method in Education (iosr-Jrme), pp. 73-78, ISSN: 2320-7388 [Indexed by: Other Index - **Co-author**]
23. Ambulance Response Time at Three Selected Tertiary Hospitals in Malaysia: Performance of Hospital-Based Ambulance Equipped with Computerized Call Centre System (2018), Malaysian Journal of Applied Sciences, pp. 42-50, ISSN: 0127-9246 [Indexed by: Other Index - **Co-author**]
24. On Intrinsic Information Content of The Physical Mind in Quantized Space: Against Externalism (2018), Axiomathes, pp. 1-11, ISSN: 1122-1151 [Indexed by: Other Index - **Co-author**]
25. Synergistic Molecular Effect of Bdnf, Apoe and Mthfr in Inducing Depression in Alzheimer's Disease (2018), Research Journal of Pharmacy and Technology, pp. 4317-4323, ISSN: 0974-3618 [Indexed by: Other Index - **Co-author**]
26. Effects of Oxidative Stress on Alzheimer's Disease, Haematological Perspective (2018), Research Journal of Pharmacy and Technology, pp. 3881-3886, ISSN: Research Journal of Pharmacy and Technology [Indexed by: Other Index - **Main Author**]
27. Obesity Leads to Elevated Level of Circulating Cell-Free Dna (2018), Current Trends in Biomedical Engineering & Biosciences How, pp. 001-004, ISSN: 2572-1151 [Indexed by: Other Index - **Co-author**]
28. Correlation of Internet Addiction Disorder with Level of Stress and Bdnf Gene (val66met) Polymorphism Among Medical Students in Malaysia (2018), Research Journal of Pharmacy and Technology, pp. 3819-3825, ISSN: 0974-3618 [Indexed by: Other Index - **Main Author**]
29. Quantification of Antinuclear Antibodies (igg) Existence in General Population of Pakistan (2018), Research Journal of Pharmacy and Technology, pp. 4339-4342, ISSN: 0974-3618 [Indexed by: Other Index - **Co-author**]
30. Computational Characterization of The Promoter Region of Smn2 (survival of Motor Neuron) Gene (2018), Research Journal of Pharmacy and Technology, pp. 2729-2736, ISSN: 0974-3618 [Indexed by: Other Index - **Co-author**]
31. Workplace Accidents and Underreporting Among The Oil Palm Workers: a Pilot Study (2018), Science International, pp. 470-483, ISSN: 1013-5316 [Indexed by: Other Index - **Co-author**]
32. Sleep Deprivation and Cognitive Performances: Methodological Processes Towards Suggestive Mechanisms (2018), Research Journal of Pharmacy and Technology, pp. 3658-3666, ISSN: 0974-360X [Indexed by: Other Index - **Main Author**]
33. Controlled Release of Lysozyme from Double-Walled Poly(lactide-Co-Glycolide) (plga) Microspheres (2017), Polymers, pp. 485-486, ISSN: 20734360 [Indexed by: ISI/Q1 - **Co-author**]
34. Molecular Modulation of Stress Induced to Abnormal Haematological Indices in Medical Students, Malaysian Perspective (2017), Pakistan Journal of Biological Sciences, pp. 1-11, ISSN: 1028-8880 [Indexed by: Scopus - **Co-author**]
35. Issues in Vaccine Hesitancy in Malaysia: a Countering Approach (2017), J. of Biomed. & Clin. Sci., pp. 42-46, ISSN: 2550-147X [Indexed by: Other Index - **Co-author**]
36. Molecular Characterization of The Promoter Region of The Nuclear Factor Kappa-B Subunit 1 (nfb1) Gene; Towards Its Involvement in Susceptibility to Obesity in Malay Obese Attributes (2017), Research Journal of Pharmacy and Technology, pp. 59-59, ISSN: 0974-3618 [Indexed by: Other Index - **Co-author**]
37. Molecular Characterization of The Promoter Region of The Vascular Endothelial Growth

- Factor (vegf) Gene; Towards Its Involvement in Susceptibility to Obesity in Malay Obese Attributes (2017), Research Journal of Pharmacy and Technology, pp. 60-60, ISSN: 0974-3618 [*Indexed by: Other Index - Co-author*]
38. Molecular Characterization of The Promoter Region of The Brain Derived Neurotrophic Factor (bdfn) Gene; Towards Its Involvement in Academic Stress Induced Oxidative Stress and Blood Indices Alteration in Medical Students (2017), Research Journal of Pharmacy and Technology, pp. 60-61, ISSN: 0974-3618 [*Indexed by: Other Index - Co-author*]
39. Anti-Proliferative Effect of Duku (lansium Domesticum Corr) Extracts on Human Colorectal Adenocarcinoma Cell Lines (2016), Research Journal of Pharmaceutical, Biological and Chemical Sciences, pp. 09758585, ISSN: 09758585 [*Indexed by: Scopus - Co-author*]
40. Knowledge, Attitude, Practices Related to Dengue Fever Among Rural Population in Terengganu, Malaysia (2016), Malaysian Journal of Public Health Medicine, pp. 15-23, ISSN: 1675-0306 [*Indexed by: Scopus - Co-author*]
41. Factors of Vagrancy: Lessons Learnt from Field Evidence in Malaysia (2016), Man in India, pp. 3233-3239, ISSN: 00251569 [*Indexed by: Scopus - Co-author*]
42. Dengue Virus Infections: Global Scenario, Classification, and Clinical Manifestations– a Review (2016), Research Journal of Pharmacy and Technology, pp. 83-90, ISSN: 0974-3618 [*Indexed by: Other Index - Co-author*]

### **Book**

1. General Safety Procedures in Biomedical Laboratory: Laboratory Pocket Manual (2018), CreateSpace Independent Publishing Platform, ISBN: 978-1717365477 - **Main Author**

### **Conference Proceedings**

1. The Val66met Polymorphism in The Brain Derived Neurotrophic Factor (bdfn) Gene and it is Potential Association with Stress Levels and Haematological Parameters (2018), 3rd International Symposium on Advances in Molecular Biology of Plants and Health Sciences, Lahore, Pakistan - **Co-author**

### **Research Grant**

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#### **Principal Investigator**

1. Iwudu\ - Portable Ablution Machine, Geran Dalaman Universiti, University (2018), **Grant Value: RM30,000**
2. Empowering Peddling Doctors Towards Remote Diagnostics and Consultation in Raural Cambodia, Geran Agensi Luar, Government (2016), **Grant Value: RM70,000**
3. Developing a Local Innovative Digital Stethosope Prototype to Aid Teaching-Learning of Medicine, Geran Agensi Luar, Government (2015), **Grant Value: RM20,000**

#### **Co-Researcher**

1. Development and Evaluation of Effective Health Education Module Against Respiratory Tract Infections Among Malaysian Hajj Pilgrims: a Quasi Experimental Study, Geran Dalam Universiti, University (2017), Grant Value: **RM51,000**
2. Screening Potential Effects of Duku (lansium Domesticum Corr) Towards Antiproliferative on Human Colorectal Adenocarcinoma Cell Line (ht-29), Geran Agensi Luar, Government (2015), Grant Value: **RM25,000**
3. Dengue Threat in a University Setting, a Comprehensive Approach to Combat Dengue Fever - Surveillance of Environmental Risks and Knowledge and Practices of The Campus Community, Geran Dalam Universiti, University (2014), Grant Value: **RM20,000**

## Postgraduate Student

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### Main Supervision

1. [PhD ] Foad Mohammad Al\_kelani, Libya, - **Ongoing**
2. [PhD ] Narizah Mohamed Saad, Malaysia, - **Ongoing**
3. [MASTER] Ojeogwu Emmanuel Amaechi, Nigeria, - **Ongoing**
4. [MASTER] Abusaqri Ibraheem Abdel Majid Shehadeh, Jordan, - **Ongoing**
5. [MASTER] Al Hasan Shrouq Mohammad Irbayea, Jordan, - **Ongoing**
6. [MASTER] Makhyoun Rasha I Mohamed, Libya, - **Ongoing**
7. [MASTER] Grace Voon Hui Nee, Malaysia, - **Ongoing**
8. [MASTER] Oktaviana Zahratul Putri, Indonesia, - **Completed**
9. [MASTER] Amer Jamil Mahmoud Alzeer, Jordan, - **Completed**
10. [MASTER] Alglilat Mohammad Mahmoud Ali, Jordan, - **Completed**
11. [MASTER] Osama Mohammad Abdel Hamid Abu Nawwas, Jordan, - **Completed**
12. [MASTER] Alhatamleh Mohammad Ahmed Issa, Jordan, - **Completed**

### Co Supervision

1. [PhD ] Mohamad Aziz Bin Salowi, Malaysia, - **Ongoing**
2. [PhD ] Meghellet Massinissa, Algeria, - **Ongoing**
3. [PhD ] Mohammad Habibur Rahman Khan, Bangladesh, - **Completed**
4. [MASTER] Abdullahi Rabiou Abubakar, Nigeria, - **Completed**
5. [MASTER] Victor A/I Isaacs, Malaysia, - **Completed**

## Awards

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1. Gold Medal Mpi 2019 (2019), Production Stage of Halal Pheromone for Perfumes from Salacca Zalacca (salak) Fruit, Mpi 2019 - **Member**
2. Gold Award Ria 2019 (2019), Halal Insulin Nanoparticles: an Innovative and Painless Drug Delivery Patch for Diabetics, Research and Innovation Award (ria) 2019 & Rmic Unisza - **Member**

3. Silver Medal Peciapta 2019 (2019), Production of Halal Pheromone for Perfumes from Salacca Zalacca (salak) Fruit, Peciapta 2019 - **Member**
4. Gold Medal Mpi 2018 (2018), Halal Insulin Nanoparticles : an Innovative and Painless Drug Delivery Patch for Diabetics, Minggu Penyelidikan & Inovasi 2018 (mpi' 18 ) - **Member**
5. Bronze Medal Mpi 2018 (2018), Bio Active Compound and Aroma from The Flesh of Salak (salacca Zallaca) Fruit and Antidiabetic Potential, Minggu Penyelidikan & Inovasi 2018 (mpi' 18 ) - **Member**
6. Silver Medal I-Nova 2018 (2018), Halal Insulin Nonoparticles : an Inovative and Painless Drug Delivery Patch for Diabetics, 8th Exposition on Islamic Innovation (i-Inova) 2018 - **Member**
7. Gold Medal Itex 2018 (2018), Halal Insulin Nanoparticles : an Innovative and Painless Drug Delivery Patch for Diabetics, Itex 2018 - **Member**
8. Gold Medal Itex 2018 (2018), I-Wudu` : an Automated Ablution Machine, Itex 2018 - **Leader**
9. Special Award Mte 2018 (2018), I-Wudu` : an Automated Ablution Machine, Malaysia Technology Expo 2018 - **Leader**
10. Gold Medal Mte 2018 (2018), I-Wudu` : an Automated Ablution Machine, Malaysia Technology Expo 2018 - **Leader**

## Intellectual Property

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1. Production of Halal Pheromone Perfumes from Salacca Zalacca (salak) Fruit (ly2019004819) (2019), Copyright - **Co-owner**
2. An Automated Electronic Ablution Machine (2018), Patent - Filed - **Owner**
3. Mesin Wudhu Otomatis (2018), Patent - Filed - **Owner**
4. Halal Insulin Nanoparticles: an Innovative & Painless Drug Deliver Patch for (2018), Copyright - **Co-owner**
5. An Automated Ablution Machine (2017), Patent - Filed - **Owner**
6. I-Wudu` : Portable Ablution Machine (2017), Copyright - **Owner**

## Professional Membership

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1. Member, Member of Public Health Association of South Africa (phasa), 2016-2017

## Academic Ecosystem

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1. Member, Ahli Biasa - Persatuan Pakar Perubatan Kesihatan Awam Malaysia, 2000-2030
2. Expert/pakar Rujuk, Panel Tanyadoktor.com, 2020-2020
3. Consultancy/perundingan, Pendaftaran Keahlian Sebagai Doktor Kesihatan Pekerja, 2016-2019
4. Leader/chairman, Team Leader (medical Sciences) for The Swiss-Asean Bridging Grant

- Project 2018, International Business School Utm, 2018-2018
5. Expert/pakar Rujuk, Pakar Kesihatan Pekerjaan di Klinik Kesihatan Pekerjaan Hospital Besut, 2018-2018
  6. Participant, Peserta - Program Khidmat Komuniti Kg. Awang Lib, Kuala Nerus, Terengganu / Kerjasama Umt & I-Code Unisza, 2018-2018
  7. External Assessor, Panel Penilai Geran Frgs / Jabatan Pendidikan Tinggi, 2018-2018
  8. Committee, Ahli Jawatankuasa Induk Seminar Pengurusan Hospital Kebangsaan 2018, 2018-2018
  9. Committee, Ahli Jawatankuasa Induk International Conference on Infectious Diseases (uicid) 2018, 2018-2018
  10. Committee, Ahli Jawatankuasa Pelaksana International Conference on Infectious Diseases (uicid) 2018, 2018-2018

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