

MOHD HAFIZ BIN ARZMI



- KULLIYAH OF DENTISTRY
- IIUM Kuantan Campus
- Email address: hafizarzmi@iium.edu.my

ACADEMIC QUALIFICATION

- Islamic Studies
- Ph.D - Medicine, Dentistry & Health Sciences
- Certificate in Health and Safety
- Master of Dental Science
- BSc. (Microbiology) with Hons.

TEACHING RESPONSIBILITIES

ADVANCED IMMUNOLOGY	2017/2018
BASIC IMMUNOLOGY	2017/2018 2018/2019
BIOCHEMISTRY	2019/2020
Biochemistry	2017/2018 2018/2019
FAMILY MANAGEMENT AND PARENTING	2017/2018 2018/2019 2019/2020
IMMUNOLOGY	2017/2018 2018/2019 2019/2020
IMMUNOLOGY AND HAEMATOLGY LAB PRACTICES	2019/2020
MICROBIOLOGY & IMMUNOLOGY	2017/2018 2018/2019 2019/2020
PHARMACEUTICAL MICROBIOLOGY	2017/2018

RESEARCH PROJECTS

In Progress

- 2019 - Present** - Effectiveness of Snoezelen Therapy in Improving Oral Health Practices Among Special Needs Children
- 2019 - Present** - Antimicrobial, immunological and tooth remineralisation effect of Deer velvet antler of *Cervus timorensis*.
- 2019 - Present** - Evaluation of Novel Fish-Derived Collagen/Chitosan Membrane Loaded with Metronidazole Nanoparticle As Guided Bone Regeneration for Periodontal Regeneration.

- 2018 - Present** Identification of Actinomyces naeslundii as a potential oral probiotic using in silico approaches
- 2018 - Present** Cell Viability, Biochemical and Histological Evaluation of Three-Dimensional Fish-derived Collagen-Chitosan-Glycerin Scaffold for Oral Mucosa Regeneration.
- 2018 - Present** Elucidation of Candida albicans candidalysin mechanism in polymicrobial biofilms with Actinomyces naeslundii and Streptococcus mutans using flow cell model
- 2018 - Present** Identification of Actinomyces naeslundii as a potential oral probiotic using in silico approaches
- 2018 - Present** Cell Viability, Biochemical and Histological Evaluation of Three-Dimensional Fish-derived Collagen-Chitosan-Glycerin Scaffold for Oral Mucosa Regeneration.
- 2018 - Present** Ascorbic Acid PLGA Nanoparticles Incorporated With Carbopol-Honey Oral Gel Intended To Treat Oral Squamous Cell Carcinoma
- 2018 - Present** Elucidation of the role of oral microbiome in promoting healthy oral cavity and pathogenesis
- 2017 - Present** The effect of polymicrobial interaction to the virulence factors of Candida albicans
- Unknown - Present** Effectiveness of Snoezelen Therapy in Improving Oral Health Practices Among Special Needs Children

Completed

- 2017 - 2019** The effect of polymicrobial interaction to the virulence factors of Candida albicans

PUBLICATIONS

Article

- 2019** [Monospecies and polymicrobial biofilms differentially regulate the phenotype of genotype-specific oral cancer cells.](#) Carcinogenesis , 40 (1) pp.184-193
- 2019** [Effects of Eurycoma longifolia jack \(Tongkat Ali\) alcoholic root extract against oral pathogens.](#) Pharmacognosy Journal , 11 (5) pp.1299-1302
- 2019** [Polymicrobial interactions of Candida albicans and its role in oral carcinogenesis.](#) Journal of Oral Pathology and Medicine , 48 (7) pp.546-551
- 2018** [The relationship between tooth loss, body mass index, and hypertension in postmenopausal female.](#) European Journal of Dentistry , 12 (1) pp.120-122
- 2018** [MySOMOI: An interdisciplinary platform that promotes wholesome oral health.](#) Annals of Dentistry , 25 (2) pp.32-32
- 2018** [Incorporation of the microencapsulated antimicrobial agent phytoncide into denture base resin.](#) Australian Dental Journal , 63 (3) pp.302-311

- 2016 [Polymicrobial biofilm formation by Candida albicans, Actinomyces naeslundii, and Streptococcus mutans is Candida albicans strain and medium dependent.](#) Medical Mycology , 58 (8) pp.856-864
- 2015 [Oral microorganisms: how do they communicate?.](#) Atlas of Science
- 2015 [Coaggregation of Candida albicans, Actinomyces naeslundii and Streptococcus mutans is Candida albicans strain dependent.](#) FEMS Yeast Research , 15 (5) pp.1-7
- 2014 [Gaining more insight into the determinants of candida species pathogenicity in the oral cavity.](#) European Journal of Inflammation , 12 (2) pp.227-235
- 2012 [Effect of phenotypic switching on the biological properties and susceptibility to chlorhexidine in Candida krusei ATCC 14243.](#) FEMS Yeast Research , 12 (3) pp.351-358

Conference or Workshop Item

- 2019 [The effect of Eurycoma longifolia jack \(Tongkat ali\) extract on salivary streptococcus mutans, lactobacillus and candida albicans isolated from high risk caries adult patients.](#) In: **8th Dental Student Scientific Conference IIUM 2019**
- 2019 [The effect of dental caries on the colonization of Candida species: an in vitro study.](#) In: **8th Dental Student Scientific Conference (DSSC)**
- 2019 [The effect of dental caries in children on the colonisation of Candida species.](#) In: **18th Annual Scientific meeting of International Association for Dental Research (IADR) 2019**
- 2019 [Genome comparison of Actinomyces naeslundii with 25 known probiotics.](#) In: **Medical Research Symposium 2019**
- 2019 [The effect of different composite on Candida albicans biofilm development.](#) In: **8th Dental Student's Scientific Conference IIUM 2019**
- 2019 [Eurycoma Longifolia Jack \(Tongkat Ali\) extract reduces the growth of salivary isolated Streptococcus mutans and Lactobacillus.](#) In: **18th Annual Scientific Meeting & 20th Annual General Meeting of IADR Malaysian Section 2019**
- 2018 [Effects of Eurycoma longifolia jack \(Tongkat Ali\) alcoholic root extract against oral pathogens.](#) In: **7th Dental Students Scientific Conference 2018 (DSSC)**
- 2018 [Antifungal effects of Eurycoma longifolia jack \(Tongkat Ali\) root extract against oral Candida albicans.](#) In: **International Conference on Oral Immunology and Oral Microbiology (ICOIOM 2018)**
- 2018 [The effect of polymicrobial interaction on the adhesion of OKF6 and H357 cell lines.](#) In: **17th International Association for Dental Research (MALSEC)**
- 2018 [The effect of Candida albicans, Actinomyces naeslundii and Streptococcus mutans biofilm effluent on the expression of interleukin-6 and interleukin-8 from normal and oral cancer cell lines.](#) In: **The International Conference on Oral Immunology & Oral Microbiology (ICOIOM) 2018**
- 2015 [Poly-microbia biofilms are Candida albicans strain and morphology dependent.](#) In: **55th Annual Scientific Meeting of the IADR Australia & New Zealand Division**

2014 [Co-aggregation: Interaction of Candida albicans, Actinomyces naeslundii and Streptococcus mutans.](#) In: **54th Annual Scientific Meeting of the International Association for Dental Research Australian & New Zealand Division**

2013 [Intragenic and intergenic coaggregation of Candida albicans, Actinomyces naeslundii and Streptococcus mutans.](#) In: **The New Zealand Microbiological Society Conference 2013**

Book

2017 [Phenotypic switching: the virulence factor of candida krusei.](#) IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-737-8

Book Section