

Table of Content

Volume 10, Supplement 1, 2019

ABSTRACT FOR SESSION 1

<p>Comparative proteomic analysis of clinical and environmental isolates of <i>Aeromonas dhakensis</i> using two-dimensional gel electrophoresis <u>Amanda Tan</u>, Hwa Chia Chai, Kek Heng Chua and Suat Moi Puah</p>	1
<p>Avian Influenza (AIV) a H5N1 virus-induced apoptosis in MDCK and Vero cell lines <u>Goh Kah Chun</u> and Yap Wei Boon</p>	2
<p>Antibacterial activity of <i>Centella asiatica</i> against <i>Mycobacterium smegmatis</i> <u>Izzah Madihah Rosli</u>, Nor Munirah Zakaria and Rapeah Suppian</p>	3
<p>The involvement of pneumococcal hyaluronidase in pneumococcal biofilms formation and detachment <u>Muhammad Abdullah Ahmad Suaidan</u>, Nor Munirah Mohd Amin, Mohammad Izwan Enche Othman, Nurul Azahana Mohd Nayian, Abu Zarrin Abu Mansor and Hanani Ahmad Yusof</p>	4
<p>Molecular typing of Methicillin-Resistance <i>Staphylococcus aureus</i> (MRSA) isolates from a student populations <u>Nabilah Azzmi</u>, Mohd N. Mohd Desa and Nurshahira Sulaiman</p>	5
<p>Cross reactivity between Sikamat Virus (Sikv) against Nelson Bay Virus (Nbv) and Serotype 3 Mammalian Orthoreovirus (Mrv3) <u>Quek Xin Fei</u>, Kenny Voon and Wong Siew Tung</p>	6
<p>Characterization and antibiotic resistance profile of <i>Salmonella</i> isolates obtained from street vended beverages sold in Chow Kit <u>Siti Nur Shafika Mat Zalami</u>, Norrazia Mohamad Zin and Siti Shahara Zulfakar</p>	7
<p>Microbiological quality of sushi sampled from selected food outlets in Kota Bharu, Kelantan <u>Yap Jia Xin</u> and Noor Izani Noor Jamil</p>	8
<p>In vitro antiviral activity of <i>Ganoderma neo-japonicum</i> mushroom extracts against enteroviruses that cause hand, foot and mouth disease <u>Wei Xin Ang</u>, Subramaniam Sarasvathy, Umah Rani Kuppusamy and Kien Chai Ong</p>	9
<p>Isolation of microbes from cocoa samples: Comparison between enviroment and during fermentation process for their bioactivity <u>Auni Nadzirah Abd. Rashid</u>, Norrazia Mohamad Zin, Khairul Bariah Sulaiman and Nur Faizah Abu Bakar</p>	10

<p>The influence of accompanying bacteria on growth of <i>Blastocystis</i> sp. Subtype 3 <u>Chai Yong Chia</u>, Chandramathi Samudi and Suresh Kumar Govind</p>	11
<p>Dengue Virus Type-2-induced apoptosis in MDCK and Vero cell lines <u>Farahana Mohamed</u> and Yap Wei Boon</p>	12
<p>Identification and investigation of <i>Elizabethkingia</i> and <i>Chryseobacterium</i> species using 16s ribosomal RNA gene sequencing and antibiotic susceptibility testing <u>Sam Pei Fong</u>, Kek Heng Chua, Boon Pin Kee and Suat Moi Puah</p>	13
<p>The effectiveness of contact lens disinfectant solutions against <i>Acanthamoeba</i> spp. cysts of clinical and environmental isolates <u>Kabithra Raja Veni Rajan</u>, Mohamed Kamel Abdul Ghani and Anisah Nordin</p>	14
<p>Characterization of a mouse monoclonal IgM Antibody against enterovirus A71 <u>Siew Fun Lee</u>, Soon Hao Tan and Kien Chai Ong</p>	15
<p>Comparison of the binding level of different human Erythrocyte Duffy (fy) Antigens to <i>Plasmodium knowlesi</i> Duffy binding protein alpha region II (PkDBPαII) <u>Chin Chin Liew</u>, Fei Wen Cheong and Yee Ling Lau</p>	16
<p>In vitro efficacy of essential oils from plants in inhibiting fungi causing nail infections <u>Low Yoke Wei</u>, Jacinta Santhanam, Tzar Mohd Nizam and Mohan Arumugam</p>	17
<p>Comparitive study of the efficacy of manual eggs counting with Mobile Auto-Count application on <i>Aedes</i> mosquito population in 17th college of Universiti Putra Malaysia <u>Nissa Nabila Abdul Razak</u>, Banulata Gopalsamy and Latifah Saiful Yazan</p>	18
<p>Effectiveness of commercially available contact lens disinfecting solutions against clinical and environmental isolates of <i>Acanthamoeba</i> spp. <u>Muhammad Haziq Mohd Yusof</u> and Mohamed Kamel Abdul Ghani</p>	19
<p>Antibacterial effect of <i>Synsepalum dulcificum</i> leaves extract against gram positive and gram negative bacteria. <u>Nur Diyana Sallahuddin</u> and Ahmad Zorin Sahalan</p>	20
<p>Comparison of microorganism loads isolated from the lift buttons of six faculties in IIUM Kuantan <u>Nor Hidayah Emi</u> and Norsyuhada Alias</p>	21
<p>Sequence conservation analysis of LIPL21 mRNA, amino acid and B-cell epitope in different <i>Leptospira</i> strains using bioinformatics approach</p>	22

<u>Sharani Rathakrishnan</u> , Sharmila Kumari Kumaran, Suresh Kumar and Thilakavathy Karuppiah	
The interaction between methanol leaves extracts of <i>Synsepalum dulcificum</i> with Penicillin G Potassium against gram positive and gram negative bacteria <u>Nurul Hidayah Keria</u> and Ahamad Zorin Sahalan	23
Molecular characterization of <i>Streptococcus pneumoniae</i> isolates from clinical origin <u>Zarina Ariffin</u> , Nurul Diana Dzaraly, Nurshahira Sulaiman and Mohd Nasir Mohd Desa	24
Enumeration and characterisation of microorganisms isolated from the lift buttons of a hostel in IIUM Kuantan <u>Wan Adila Fatinhah Wan Zainal Abidin</u> and Norsyuhada Alias	25
Susceptibility of <i>Acanthamoeba spp.</i> Cysts from clinical and environmental strains towards antimicrobial agents <u>Sangari Periasamy</u> , Mohamed Kamel Bin Abdul Ghani and Anisah Nordin	26
Antifungal effects of Lemongrass and Eucalyptus essential oils on fungi causing nail infections <u>Siti Nor Athirah Abdul Rahman</u> and Jacinta Santhanam	27

ABSTRACT FOR SESSION 2

Melatonin induced autophagy via activation of AMPK and ERK pathways and inhibition of MTOR pathways in Jurkat cells <u>Chang I Shuen</u> and Chye Soi Moi	1
<i>In Vitro</i> and <i>In Silico</i> studies of Lawsone for acute skin inflammatory conditions <u>Hani Syahirah Zulkefle</u> , Muhammad Alif Mohammad Latif and Siti Farah Md Tohid	2
<i>Syzygium polyanthum</i> alleviates renal damaged in hypertensive rat model <u>Iqbal Iman Ruzi</u> , Nurul Syahida Ramli and Wan Amir Nizam Wan Ahmad	3
The neuroenhancement effect of raw extract of <i>Centella asiatica</i> (RECA) on transdifferentiation of full term Human Amniotic Fluid Stem Cells (hAFSCs) into neural stem cells (NSCs) <u>Khairul Akmal Abdul Rahman</u> , Adila Abdul Hamid and Norshariza Nordin	4
Molecular mechanism studies of Curcuminoid analogues on Jurkat T lymphoblastic cells	5

<u>Lishantini</u> , Chan KM, Siew EL and Rajab NF	
<i>Etligeria elatior</i> flower as anti-hyperglycemia agent: A study on Type 2 diabetic rat model <u>Nur Alina Mohd Janin</u> , Nor Asiah Muhamad Nor and Wan Amir Nizam Wan Ahmad	6
The effects of Zerumbone on cell migration in colon cancer cells <u>Tan Min Jien</u> , Armania Nurdin, Nur Fariesha Md Hashim, Hasni Idayu Saidi and Noraina Muhamad Zakuan	7
Cytotoxic activities of Kelulut honey harvested from selected locations against breast cancer cell lines <u>Siti Nur Parvin Ab Hamid</u> , Noraina Zakuan, Yong Yoke Keong, Hasni Idayu Saidi and Armania Nurdin	8
An evaluation of neurotoxicity assessment in zebrafish embryo (DANIO RERIO) induced by Kratom <u>Wan Nadiah Chong Muhammad Ridzuan Chong</u> , Ng Sheng Yong, Mahathir Uzid, Junedah Sanusi and Muhammad Danial Ramli	9
Fabrication, drug release and antibacterial activity of ciprofloxacin loaded alginate/cockle shell powder nanobiocomposite bone scaffold <u>Wong Huai Li</u> , B. Hemabarathy Bharatham, Jacinta Santhanam and Ng Shiow Fern	10
Effects of iron, zinc and volume of Sabouraud dextrose broth on fungal growth in blood samples <u>Chong Chyi Han</u> , Jacinta Santhanam and Tzar Mohd Nizam Khaithir	11
In Silico design of potential chemical probe (derived from zinc natural derivates database) as specific detector of thermostable porcine peptide: Application for rapid halal authentication <u>Istahil Mohamed</u> , Muhammad Alif Mohammad Latif and Siti Farah Md Tohid	12
Cytotoxic properties of Kelulut Honey harvested from different location in liver cancer cells <u>Li Qiuyue</u> , Yong Yoke Keong, Armania Nurdin, Hasni Idayu Saidi and Noraina Muhamad Zakuan	13
Anti-inflammatory and anti-oxidant properties of <i>Alternanthera sessilis</i> Red <u>Mardhiah Maslizan</u> , Yong Yoke Keong and Muhammad Nazrul Hakim Abdullah	14
Antimalarial activity from <i>Canarium odontophyllum</i> leave extract against erythrocytes infected with <i>Plasmodium falciparum</i> 3D7 <u>Muhamad Ismail Md.Esam</u> , Shafariatul Akmar Ishak, Dayang Fredalina Basri, Noraziah Mohamad Zin, Jonathan Wee Kent Liew and Yee Ling Lau	15

<p>Systemic effect of pterostilbene in mouse lung squamous cell carcinoma model <u>Nur Amalina Nordin</u> and Ahmad Rohi Ghazali</p>	16
<p>Anti-hyaluronidase activity in honeys of Malaysia origin <u>Nurul Azahana Mohd Nayian</u>, Abu Zarrin Abu Mansor, Muhammad Abdullah Ahmad Suaidan and Hanani Ahmad Yusof</p>	17
<p>Antileptospiral activity of phthalide compound against pathogenic Leptospira <u>Nur Anis Shafiqah Ghazali</u>, Shafariatul Akmar Ishak, Dayang Fredalina Basri and Latifah Abdul Latiff</p>	18
<p>Comparison of physicochemical, antioxidant and anti-inflammatory properties of Acacia, Kelulut and Tualang honey <u>Nurul Syaza Nordin</u>, Yong Yoke Keong and Muhammad Nazrul Hakim Abdullah</p>	19
<p>Development of an In Situ hybridization assay for the detection of Zika virus RNA in formalin-fixed and paraffin-embedded tissues <u>Geok Fong Ong</u>, Soon Hao Tan and Kien Chai Ong</p>	20
<p>In Vitro cytotoxic activity of Roselle (<i>Hibiscus sabdariffa</i> Linn.) extract on human umbilical vein endothelial cells (HUVEC) <u>Shahrul Azhar Sharom</u>, Nur Athirah Othman Basri, Siti Balkis Budin, Azizah Ugusman and Nur Najmi Mohamad Anuar</p>	21
<p>Expression of toll-like receptor (TLR) 2, 4, 8 and 9 by macrophage stimulated with Asiatic acid and Madecassoside <u>Siti Shafika Muhamad Jaafar</u> and Rapeah Suppian</p>	22
<p>Elution of vancomycin from fabricated Alginate/Cockle shell powder nanobiocomposite bone scaffold for potential antibacterial and drug release evaluation <u>Su Wen Yuan</u>, B. Hemabarathy Bharatham, Jacinta Santhanam and Ng Shiow Fern</p>	23
<p>Image acquisition and quality for digitized bioimaging of colony forming unit for mouse hematopoietic stem /progenitor cells <u>Muhammad Arif Othman</u>, Zariyantey Abd Hamid, Ramanaesh Rao, Wan Mimi Diyana Wan Zaki, Aqilah Baseri Huddin and Ramya Dewi Mathialagan</p>	24
<p>Anti-inflammatory activities of Cardamonin (2', 4'-dihydroxy-6' methoxychalcone) in acute and chronic inflammatory murine models <u>Nurul Asyikin Rosni</u> and Mohd Roslan Sulaiman</p>	25

ABSTRACT FOR SESSION 3

<p>Effect of repeated dose of isoprenaline administration on rat's kidney <u>Yasaaswini Apparao</u>, Kamisah Yusof, Nurhanan Murni Yunus and Satirah Zainalabidin</p>	1
<p>Do genes dictate our happiness, sleep pattern, and anger? <u>Kah Boon Cheok</u>, Boon Pin Kee, Kek Heng Chua and Hwa Chia Chai</p>	2
<p>Phenotypic characterisation of hypoxia-induced MDA-MB-231 breast cancer cell line <u>Chua Eugene</u> and Nur Fariesha Md Hashim</p>	3
<p>Effect of repeated dose of isoprenaline administration on rat's aorta <u>Logeswary Rajessagerar</u>, Kamisah Yusof, Nurhanan Murni Yunus and Satirah Zainalabidin</p>	4
<p>Awareness, knowledge and attitude (AKA) on urinary tract infection (UTI) among government secondary school students in Shah Alam, Malaysia. <u>Kenneth Paul Martinez</u>, Neni Widiasmoro Selamat, Mohammad Sarimie Nizam, Gaiyathre Subrain, Eva Tan Lee Yin and Titinun Auamnoy</p>	5
<p><i>Parkin (PRKN)</i> gene homozygous exon deletion in a Malaysian family with young-onset Parkinson's disease <u>Yi Wen Tay</u>, Jia Lun Lim, Ai Huey Tan, Shen Yang Lim and Azlina Ahmad-Annuar</p>	6
<p>Association between polymorphism of <i>GSTT1</i> and <i>GSTM1</i> among Type-2 diabetes mellitus in Malaysian patients with nepropathy <u>Lim Xin</u> and Suhaili Abu Bakar</p>	7
<p>Association study of <i>PTPN2</i> gene polymorphisms in Malaysian patients with Crohn's disease <u>Suh Kuan Fong</u>, Kek Heng Chua, Ida Hilmi, Hwa Chia Chai, Khean Lee Goh and Boon Pin Kee</p>	8
<p>Anti-inflammatory effect of <i>Zingiber zerumbet</i> ethyl acetate extract in estrogen depleted rats of aluminium-induced Alzheimerism <u>Afiqah Aqilah Ngaidin</u>, Mohd Zaim Syahmi Mohd Daud, Farah Wahida Ibrahim, Nor Fadilah Rajab, Asmah Hamid and Nurul Farhana Jufri</p>	9
<p>Genetic association of ZNF365 polymorphisms with Crohn's Disease patients in Malaysia <u>Sheh Wen Kuan</u>, Kek Heng Chua, Ida Hilmi, Suat Moi Puah, Khean Lee Goh and Boon Pin Kee</p>	10

Anti-oxidant effect of <i>Zingiber zerumbet</i> ethyl acetate extract in estrogen depleted rats of aluminium-induced Alzheimerism <u>Mohd Zaim Syahmi Mohd Daud</u> , Afiqah Aqilah Ngaidin, Nor Fadilah Rajab, Asmah Hamid, Nurul Farhana Jufri and Farah Wahida Ibrahim	11
Effects of lysosomal inhibition on human brain endothelial cells damage <u>Nor Atikah Safirah Juhari</u> , Siti Nurdiyana Mohd Saleh and Nurul Farhana Jufri	12
Effects of autophagy inhibition on cellular changes of human brain endothelial cells <u>Siti Nurdiyana Mohd Saleh</u> , Nor Atikah Safirah Juhari and Nurul Farhana Jufri	13
Effects of amyloid precursor protein overexpression on Rho-GTPase pathway in neuronal cells <u>Voon Shee Man</u> , Koh Rhun Yian, Chan Hong Hao and Leong Chee Onn	14

ABSTRACT FOR SESSION 4

A comparative study between cultivated and wild <i>Colocasia esculenta</i> (Taro) on phytochemicals and toxicity <u>Goh Xue Xin</u>	1
Evaluation of skin irritation effect of pterostilbene on albino rabbits <u>Nazeha Ahmat</u> and Ahmad Rohi Ghazali	2
Role of p63 isoforms in ASPC-1 pancreatic cancer cell line. <u>Hossein Jahedi</u> and Lim Chooi Ling	3
The effects of repeated exposure to fenitrothion on biochemical and oxidative stress status in kidneys of Sprague Dawley Rats. <u>Izzah Irdina Juremi</u> , Siti Balkis Budin, Nur Afizah Yusof and Izatus Shima Taib	4
Association of GSTT1 and GSTM1 polymorphisms on CD4+ level in Malaysia's HIV infected individual after highly activated anti-retroviral therapy <u>Siti Nurfaizah Yusof</u> and Suhaili Abu Bakar	5
Heart rate variability (HRV) and memorisation of Quran among male students from selected schools in Selangor <u>Noor Anisah Abu Yazit</u> , Nor Malia Abd Warif, Ahmad Rohi Ghazali and Norsham Juliana	6

<p>Assessment of laboratory biorisk management in Universiti Putra Malaysia: gaps and challenges <u>Puteri Rossyauqina Megat Ahmad Tarmizi</u>, Faizatul Lela Jafar and Cheah Yoke Kqueen</p>	7
<p>Prevalence of antibiotic resistance <i>Staphylococcus epidermidis</i> isolated from healthy people in International Islamic University Malaysia, Kuantan <u>Abu Zarrin Abu Mansor</u>, Nor Munirah Mohd Amin, Mohammad Izwan Enche Othman, Muhammad Abdullah Ahmad Suaidan, Nurul Azahana Mohd Nayian, and Hanani Ahmad Yusof</p>	8
<p>BHMC reduces proliferation of human liver cancer cells, HEPG2 <u>Yap Wee Chee</u> and Sharifah Sakinah Syed Alwi</p>	9
<p>The role of TLR4 on humoral immune response against recombinant <i>Mycobacterium bovis</i> BCG clone expressing the MSP-1C of <i>Plasmodium falciparum</i> <u>Teh Huey Xhin</u>, Munirah Zakaria and Rapeah Suppian</p>	10
<p>Effect of french fries towards male rat fertility <u>Adib Najmi Mohamad Hisham</u> and Hanan Kumar Gopalan</p>	11
<p>Exposure to traffic related air pollution on inflammatory markers among the traffic police officers in Kuala Lumpur <u>Alwileez Alip</u>, Asmah Hamid, Farah Wahida Ibrahim, Normah Awang and Ismarlyusda Ishak</p>	12
<p>Intelligence quotient (IQ), memory and Quran memorization among students in selected tahfiz schools in Selangor <u>Amira Aqilah Shaidin</u>, Ismarlyusda Ishak and Dzalani Harun</p>	13
<p>The effects of UV-induced oxidative stress on the cornea in a zebrafish larval model <u>Kathy Hu Jia Qi</u>, Rozaida Poh Yuen Ying and Suzita Mohd Noor</p>	14
<p>The effect of deparafinization of archived soft tissues for scanning electron microscope protocol using HMDS (Hexamethyldisilazane) <u>Muhammad Amar Afiq Mohd Hanapi</u>, Yanti Rosli, Hing Hiang Lian, and Hanan Kumar Gopalan</p>	15
<p>Acute toxicity evaluation of construction waste runoff collected from illegal dumping site using brine shrimp and zebrafish models <u>Muhammad Faris Ismail</u>, Pravina Jeevanaraj, Zailina Hashim and Yu Ke-Xin</p>	16

<p>Assessment of skin sensitization by pterostilbene on guinea pigs <u>Muhammad Firas Zainuddin</u> and Ahmad Rohi Ghazali</p>	17
<p>Genotoxicity profiles of 1,4-benzoquinone-induced murine hematopoietic stem / progenitor cells of differential lineages <u>Ng Qing Min</u> , Ramya Dewi, Zariyantey Abdul Hamid, Nor Fadilah Rajab, Salwati Shuib and Siti Razila Abdul Razak</p>	18
<p>Determination of the whitten effect based on vaginal cell characteristics and behavior in grouped female mice <u>Nur Hannan Zakaria</u> and Sabrina Sukardi</p>	19
<p>Repeated exposure of fenitrothion induced biochemical alterations in the livers of male Sprague-Dawley rats <u>Nur Khairun Syafiqah Mohd Aini</u>, Siti Balkis Budin, Nur Afizah Yusof and Izatus Shima Taib</p>	20
<p>Molecular docking study on anticancer activity from porcupine bezoar extract <u>Najwa Farahin M Yusoff</u>, Al-‘Aina Yuhainis Firus Khan, Zalikha Ibrahim, Alfi Khatib, and Ridhwan Abdul Wahab</p>	21
<p>Extraction and qualitative phytochemical screening of Malaysian <i>Sphagnum sericeum</i> moss <u>Nur Rasyiqin Rasli</u>, Daphne Wong Qiao Xuan and Elda Surhaida Latif</p>	22
<p>Effects of volatile organic compound and particulate matters towards vitals organ among traffic police in Kuala Lumpur <u>Nur Sarah Syauqina Mohd Sukri</u>, Asmah Hamid, Normah Awang, Ismarulyusda Ishak and Farah Wahida Ibrahim</p>	23
<p>Screening of preservatives properties of Calamansi lime (<i>Citrus microcarpa</i>) and ginger (<i>Zingiber officinale</i>) extracts on coconut (<i>Cocos nucifera</i>) water Nur Suriana Mah Hassan and Suhana Mamat</p>	24
<p>Comparison of physical activity, stress level, food intake and mood with different levels of Quran memorisation among students from selected tahfiz schools in Selangor Nur Syazwani Roslan, Ismarulyusda Ishak and Arimi Fitri Mat Ludin</p>	25
<p>Oxidative stress-mediated cryoinjury status of n-acetylcysteine supplemented-cryopreserved bone marrow derived- hematopoietic stem cells Nurfatin Syazreen Mohd Rizam, Shawal Maradona Abdul Wahab, Zariyantey</p>	26

Abd Hamid, Ramya Dewi Mathialagan and Izatus Shima Taib	
Effects of volatile organic compound and particulate matter exposure on hematological profile among traffic police officers in Kuala Lumpur <u>Nurshahratul Akhma Samsudin and Asmah Hamid</u>	27
Evaluation of alternative transmission electron microscope protocol using archived paraffin embedded brain tissues <u>Zaida Zainudin, Yanti Rosli, Hing Hiang Lian and Hanan Kumar Gopalan</u>	28