

# RASHIDI BIN OTHMAN



- KULLIYAH OF ARCHITECTURE AND ENVIRONMENTAL DESIGN
- IIUM Gombak Campus
- Email address: [rashidi@iium.edu.my](mailto:rashidi@iium.edu.my)

## ACADEMIC QUALIFICATION

- Doctor of Philosophy in Plant Biotechnology
- Master of Science
- Bachelor of Horticultural Science

## TEACHING RESPONSIBILITIES

ECOLOGICAL LANDSCAPE DESIGN	2019/2020 2020/2021
HORTICULTURE AND NURSERY PRACTICES	2002/2003 2003/2004
Horticulture and Nursery Practices	2008/2009 2009/2010
INTRODUCTION TO SOIL SCIENCE	2001/2002 2002/2003 2003/2004 2009/2010 2010/2011
LANDSCAPE ARCHITECTURAL DESIGN 2	2011/2012 2012/2013 2013/2014 2017/2018
LANDSCAPE ARCHITECTURAL DESIGN 3	2013/2014
LANDSCAPE ARCHITECTURAL DESIGN 4	2018/2019
LANDSCAPE ARCHITECTURAL DESIGN 5	2010/2011
LANDSCAPE ARCHITECTURAL DESIGN 6	2008/2009 2011/2012 2012/2013 2014/2015
LANDSCAPE ARCHITECTURAL DESIGN 7	2016/2017 2020/2021
LANDSCAPE ARCHITECTURE DESIGN 1	2013/2014 2014/2015
LANDSCAPE MAINTENANCE MANAGEMENT	2012/2013
LANDSCAPE MATERIAL AND CONSTRUCTION 1	2016/2017
LANDSCAPE SEMINAR	2002/2003 2015/2016
LANDSCAPE WORKSHOP I	2003/2004
NATURE APPRECIATION	2009/2010 2010/2011
NURSERY MANAGEMENT	2012/2013 2013/2014 2014/2015 2015/2016 2018/2019 2019/2020 2020/2021

PLANT MATERIAL	2009/2010 2010/2011 2011/2012 2012/2013 2014/2015 2017/2018 2018/2019 2019/2020 2020/2021
PLANT MATERIAL 1	2010/2011
PLANT MATERIAL 2	2008/2009 2009/2010 2010/2011
PLANT MATERIAL I	2001/2002 2002/2003 2003/2004 2008/2009
PLANT MATERIAL II	2002/2003 2003/2004 2004/2005
PRACTICAL TRAINING & REPORT	2008/2009 2010/2011
PRINCIPLES OF ECOLOGY	2002/2003 2003/2004 2008/2009 2010/2011 2011/2012
RESEARCH METHODOLOGY	2014/2015
RESEARCH METHODOLOGY FOR THE BUILT ENVIRONMENT	2014/2015
SOIL ECOLOGY AND NATURE	2020/2021
SOIL, ECOLOGY AND NATURE	2009/2010 2010/2011 2011/2012 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2020/2021
TOPICAL STUDIES	2009/2010 2010/2011 2015/2016 2019/2020
TURF MANAGEMENT	2012/2013 2015/2016 2017/2018
URBAN HORTICULTURE	2012/2013 2013/2014 2015/2016 2017/2018 2018/2019 2019/2020 2020/2021

## RESEARCH PROJECTS

### In Progress

- 2020 - Present** - Projek Prototaip Peningkatan Landskap Ruang Komunal Pangsapuri kos Rendah, Selangor
- 2019 - Present** - Characterization of blood plasma structure in surimi products and adulteration status through scientific and shariah approach.
- 2019 - Present** - Chitosan-based biocompatible piezoelectric thin film from shrimp shell waste for self-powered cardiac pacemaker
- 2019 - Present** - Evaluating impact of disinfectants on waterborne pathogens in raw water using General linear Model
- 2019 - Present** - STUDIES ON ANTIOXIDANT PROPERTIES, ANTIMICROBIAL ACTIVITIES AND CHROMATICITY STABILITY OF CAROTENOID PIGMENT FROM SHRIMP WASTE AS HALAL FOOD COLORANT

<b>2019 - Present</b>	Permaculture Design and Principle for Rumah Kutai, Perak for KAED Flagship and Tasik Maryam for IIUM River Sustainable Development Goal (SDG)
<b>2018 - Present</b>	Antibacterial activity of phenolic compounds from Carica papaya seed extract as food preservative.
<b>2018 - Present</b>	STUDIES ON ANTIOXIDANT PROPERTIES, ANTIMICROBIAL ACTIVITIES AND CHROMATICITY STABILITY OF ASTAXANTHIN PIGMENT AS NATURAL POLYMER COATING AGENT
<b>2018 - Present</b>	Studies Of Antioxidant Properties of Plant Species Used By The Malay Midwifery In Malaysia
<b>2018 - Present</b>	Repositioning of Tourism Accommodation Premises into the Context of Islamic Built Environment and Muslim Friendly Attributes
<b>2018 - Present</b>	Development of Rating Tool and Audit System for Muslim Friendly Tourism Accommodation Premises Hospitality and Services.
<b>2017 - Present</b>	Extraction Isolation and Purification of Carotenoid Compounds from Sauropus Androgynous
<b>2015 - Present</b>	Upscaling the Production of Novel Fucoxanthin from Malaysian Brown Algae for food and Pharmaceutical Applications
<b>2015 - Present</b>	Development And Validation of a Method to Detect Polyaromatic Hydrocarbons in Locally Processed Foods
<b>2015 - Present</b>	Wisdom as a Crucial Element in Solid Waste Management Awareness among Malaysian Citizens
<b>2015 - Present</b>	Developing a Method of Preserving Malay Traditional Wood Carving as Cultural Heritage
<b>2013 - Present</b>	Rating Tools and Audit Systems for Shari'ah Compliant Hospitality and Services
<b>Unknown - Present</b>	STUDIES ON ANTIOXIDANT PROPERTIES, ANTIMICROBIAL ACTIVITIES AND CHROMATICITY STABILITY OF CAROTENOID PIGMENT FROM SHRIMP WASTE AS HALAL FOOD COLORANT
<b>Unknown - Present</b>	STUDIES ON ANTIOXIDANT PROPERTIES, ANTIMICROBIAL ACTIVITIES AND CHROMATICITY STABILITY OF ASTAXANTHIN PIGMENT AS NATURAL POLYMER COATING AGENT
<b>Unknown - Present</b>	Studies Of Antioxidant Properties of Plant Species Used By The Malay Midwifery In Malaysia
<b>Unknown - Present</b>	Repositioning of Tourism Accommodation Premises into the Context of Islamic Built Environment and Muslim Friendly Attributes
<b>Unknown - Present</b>	STUDIES ON ANTIOXIDANT PROPERTIES, ANTIMICROBIAL ACTIVITIES AND CHROMATICITY STABILITY OF CAROTENOID PIGMENT FROM ALGAE AS NATURAL POLYMER COATING AGENT

**Completed**

- 2018 - 2020** STUDIES ON ANTIOXIDANT PROPERTIES, ANTIMICROBIAL ACTIVITIES AND CHROMATICITY STABILITY OF ASTAXANTHIN PIGMENT AS NATURAL POLYMER COATING AGENT
- 2018 - 2019** Repositioning of Tourism Accommodation Premises into the Context of Islamic Built Environment and Muslim Friendly Attributes
- 2017 - 2018** Extraction Isolation and Purification of Carotenoid Compounds from Sauropus Androgynous
- 2016 - 2016** Malaysian Carbon Reduction and Environmental Sustainability Tool (MYCREST) Assessor Refreshment Course
- 2016 - 2020** "Data analyses and manuscripts preparation for natural medicinal products research publication in indexed journals"
- 2016 - 2019** Production and Quality Parameters of Halal Local Ingredients and Natural Products
- 2016 - 2018** Study on Natural Colorants Stability as Pigment, Dye Wet Coating Agent
- 2016 - 2017** Correlation of Chromaticity Antioxidant Properties and Antimicrobe Activities of Carotenoid-containing Extracts from Saffron
- 2015 - 2018** Isopterygium Albescens as Potential Moss Species for Biomonitoring Surveys of Heavy Metal Signatures in the Disturbed Moist Forest Environments
- 2015 - 2017** Upscaling the Production of Novel Fucoxanthin from Malaysian Brown Algae for food and Pharmaceutical Applications
- 2015 - 2018** Wisdom as a Crucial Element in Solid Waste Management Awareness among Malaysian Citizens
- 2015 - 2018** Characterization of Alcohol Content and the Impact of Its Physicochemical Properties In Various Types of Halal Vinegar Products
- 2015 - 2017** Development And Validation of a Method to Detect Polyaromatic Hydrocarbons in Locally Processed Foods
- 2015 - 2018** THE DEVELOPMENT OF NATURAL SUSTAINABLE RIVER ECOLOGY MODEL SYSTEM INTO THE URBAN BLUE GRIDS OF THE URBAN ECOSYSTEM
- 2015 - 2019** Developing a Method of Preserving Malay Traditional Wood Carving as Cultural Heritage
- 2014 - 2016** Development of Carotenogenesis Model System using Callus Cultures from Ocimum basilicum and Elicitors as Environmental Stress Agent to Study Regulatory Mechanisms of Carotenoid Biosynthesis in Plant
- 2014 - 2018** Urban Environment State Monitoring Assessment Using Amphibian Species as Ecological Indicator
- 2014 - 2016** Assessment of Zn, Cu dan Pb Sequestration Rate using Acrostichum Aureum as Bioaccumulation Agent through in Vitro Model System
- 2014 - 2018** Urban Environment State Monitoring Assessment Using Amphibian Species as Ecological Indicator

- 2014 - 2018** Urban Environment State Monitoring Assessment Using Amphibian Species as Ecological Indicator
- 2013 - 2015** Development of Integrated Technologies for Extraction, Purification and Mass Production of natural Carotenoid Pigments as Halal Food Colorants Through Cell Culture
- 2013 - 2013** GreenPASS-PHJKR Green Rating System Upgrading
- 2013 - 2016** Assessment of Cd, Ni and Cr Sequestration Rate Through in Vitro Model System Using Aquatic Fern Species as Potential Biosequester Agent for Polluted Urban Lake Ecosystem
- 2013 - 2015** Evaluation Of Urban Wildlife Species As Ecological Indicator For Urban Biodiversity Richness In Malaysia.
- 2012 - 2015** Evaluation of Green Roof System for Green Building Projects in Malaysia
- 2012 - 2015** Exploring the Potential of during Skin Waste as a Filler in Biodegradable Polymer
- 2012 - 2015** The Effects of Elicitors on Lutein and Zeaxanthin Accumulation in In-Vitro Cultures of *Ruta Angustifolia* (L.) Pers.
- 2012 - 2014** Landscape Ecological Study on Endanger Ecosystem : Documentation of the Last Health Forest Ecosystem in Malaysia
- 2011 - 2013** RU 2011: Studies on Traditional Vegetables or Ulam Species for Landscape Uses
- 2011 - 2012** Landscape Plant Materials For Urban Ecology
- 2011 - 2012** Ecology And Characteristic Of Fern
- 2011 - 2012** Identification And Characterization Of Plant Materials Used by The Malay Midwifery In Kelantan
- 2010 - 2012** Application of Aquatic Plant-Based Green Technology for Water Purification in Polluted Fresh water bodies
- 2010 - 2011** Soil Chemical and Physical Analysis as Indicator to Forecast Slope Failure for Highly Weathered Soil (Oxisols)
- 2010 - 2012** The Potential of Aquatic Plant Species (*Salvina Natans* and *Azolla Pinnata*) to Treat Heavy Metal in Natural Constructed Wetlands
- 2010 - 2011** Studies on Plant Materials for mangrove Ecosystem
- 2009 - 2011** A Study on Aquatic Plant Species as Indicator for Healthy Environment
- 2009 - 2010** A Study on Plant Species used by Malay Midwifery in Southeast Pahang
- 2009 - 2011** Studies on Aquatic Plant Species for landscape Uses
- 2004 - 2009** Studies on Tropical Landscape Plants in Malaysia

Unknown -  
2019

STUDIES ON ANTIOXIDANT PROPERTIES, ANTIMICROBIAL ACTIVITIES AND CHROMATICITY STABILITY OF CAROTENOID PIGMENT FROM ALGAE AS NATURAL POLYMER COATING AGENT

## PUBLICATIONS

### Article

- 2020 [Antibacterial test and toxicity of plant seed extracts: a review.](#) Food Research , 4 ((Suppl. 1) (2020)) pp.12-27
- 2020 [Discrimination of porcine and bovine gelatines based on reducing sugar types on Maillard reaction.](#) Food Research , 4 (2) pp.301-306
- 2020 [Effect of plant growth regulators on coloured callus formation and accumulation of Azadirachtin, an essential biopesticide in Azadirachta indica.](#) Plants , 9 (352) pp.1-17
- 2020 [Physicochemical properties of dragon fruit peel pectin and citrus peel pectin: a comparison.](#) FOOD RESEARCH , SUPL. 1 (2020) pp.266-273
- 2020 [Reviewing the intervention of landscape in vertical greenery systems \(VGSS\).](#) Journal of Asian Scientific Research , 10 (3) pp.180-189
- 2020 [Qualitative and quantitative phenolic compounds analysis of dicranopteris linearis different fractional polarities leaves extract.](#) Journal of Pharmacy and Nutrition Sciences , 10 (1) pp.7-12
- 2020 [Synechococcus sp. and Pseudanabaena sp. cell culture biogenesis towards pH, period of time and bio-concentration factor \(BCF\).](#) Journal of Asian Scientific Research , 10 (3) pp.222-228
- 2020 [GCTOF-MS and HPLC Identification of Phenolic Compounds with Different Fractional Extracts of Lepironia articulata.](#) Journal of Pharmacy and Nutrition Sciences , 10 (1) pp.1-6
- 2020 [Functional Groups and Individual Phenolic Compounds in Different Fractional Polarities Extracts of Rhizophora apiculata.](#) Journal of Pharmacy and Nutrition Sciences , 10 (1) pp.13-18
- 2020 [Extraction, and Characterization of Carotenoids from 11 Allelopathic Plant Species as Potential Halal Food Colorants and Active Pharmaceutical Ingredients.](#) Journal of Pharmacy and Nutrition Sciences , 10 (1) pp.19-24
- 2020 [Effect of salicylic acid on carotenoids and chlorophyll content in Mas Cotek \(Ficus Deltoidea Jack Var. Trengganuensis\) leaves and its Retinol Activity Equivalents \(RAE\).](#) Journal of Pharmacy and Nutrition Sciences , 10 (1) pp.25-33
- 2020 [Characterization of carotenoids content and composition of saffron from different localities.](#) Journal of Pharmacy and Nutrition Sciences , 10 (1) pp.34-40
- 2019 [The influence of urban park green spaces, plant material specifications and spatial design organization and pattern towards carbon sequestration rate.](#) Applied Ecology and Environmental Research , 17 (4) pp.8079-8088

- 2019** [Estimation of carbon sequestration rate of urban park with linear and curvilinear design landscape setting.](#) Applied Ecology and Environmental Research , 17 (4) pp.8089-8101
- 2019** [Carotenoids of Capsicum fruits: pigment profile and health-promoting functional-attributes.](#) Antioxidants , 8 (10) pp.1-25
- 2019** [Closed landfill heavy metal contamination distribution profiles at different soil depths and radiuses.](#) Applied Ecology and Environmental Research , 17 (4) pp.8059-8067
- 2019** [Study on heavy metal contamination distribution at active landfill at different depths and radiuses.](#) Applied Ecology and Environmental Research , 17 (4) pp.8069-8077
- 2019** [Scientific study of physical and chemical properties of elemental carving for woodwork preservation.](#) International Journal of Recent Technology and Engineering , 7 (6S2) pp.113-120
- 2019** [Alkaline-based curcumin extraction from selected zingiberaceae for antimicrobial and antioxidant activities.](#) Pigment & Resin Technology , 48 (4) pp.289-296
- 2019** [Assessment of agro-based homestay activities towards Muslim friendly tourism.](#) International Journal of Academic Research in Business and Social Sciences , 9 (2) pp.901-909
- 2019** [Repositioning of spa premises into the context of Islamic built environment and Muslim friendly attributes.](#) International Journal of Academic Research in Business and Social Sciences , 9 (2) pp.1014-1023
- 2019** [The interrelationship between spatial organization, social interaction and landscape setting of The homestay towards Islamic built environment.](#) International Journal of Academic Research in Business and Social Sciences , 9 (2) pp.1121-1131
- 2019** [Carotenoid pigments of red, green and brown macroalgae species as potential active pharmaceutical ingredients.](#) Journal of Pharmacy and Nutrition Sciences , 9 (1) pp.14-19
- 2019** [Influences of laterite soil towards physico-chemical properties and heavy metals concentration in urban lake quality index.](#) Desalination and Water Treatment , 163 (2019) pp.398-403
- 2019** [Impact of sandy soil physico-chemical properties towards urban lakes eutrophication and inorganic pollutant status.](#) Desalination and Water Treatment , 163 (2019) pp.404-408
- 2019** [Optimisation of browning index of Maillard reaction in gelatine powder by response surface methodology \(RSM\) for halal authentication.](#) Food Research , 3 (5) pp.525-529
- 2019** [Analysis of bioactive pigments in coloured callus of Azadirachta indica for possible use as functional natural colourants.](#) Pigment & Resin Technology , 48 (1) pp.9-19
- 2019** [Distribution of carotenoids and vitamin A activity in aerial organs of selected underutilized Malaysian "ulam" or traditional vegetables \(Averrhoa carambola, Manihot esculenta and Ipomoea batatas\).](#) Pigment & Resin Technology , 48 (2) pp.148-155

- 2019** [Effect of vermicompost application on bioactive properties and antioxidant potential of MD2 pineapple fruits.](#) *Agronomy* , 9 (2) pp.1-12
- 2019** [Bioactivity and stability studies of betalain-containing extracts from beta vulgaris L..](#) *Journal of Pharmacy and Nutrition Sciences* , 9 (2) pp.81-86
- 2019** [Chemometrics analysis combined with GC-MS and NMR spectroscopy analysis of fatty acids as a means of discriminating butterfat adulteration.](#) *Journal of Pharmacy and Nutrition Sciences* , 9 (2) pp.87-94
- 2019** [Manipulation of environmental stress towards lutein production in chlorella fusca cell culture.](#) *Journal of Pharmacy and Nutrition Sciences* , 9 (5) pp.251-257
- 2019** [Hot acid extraction, characterisation and scavenging activity of pectin from hylocereus polyrhizus.](#) *Journal of Pharmacy and Nutrition Sciences* , 9 (5) pp.276-282
- 2019** [Developing a scientific practice in preservation of 19th century Royal Malay songket shawl.](#) *American Journal of Environmental Protection* , 8 (2) pp.54-61
- 2018** [Landscape ethnobotanical study of Malay midwifery plant species: case study of Kelantan.](#) *Journal of Architecture, Planning and Construction Management* , 8 (1) pp.47-54
- 2018** [Natural carotenoid pigments of 6 chlorophyta freshwater green algae species.](#) *Journal of Pharmacy and Nutrition Sciences* , 8 (1) pp.1-5
- 2018** [Effect of supercritical carbon dioxide on tensile Properties of Durian skin fibre biocomposite.](#) *International Journal of Current Science, Engineering & Technology* , Special issue pp.197-202
- 2018** [Study on spa typologies, spatial organisation and social interaction in accordance with Islamic built environment attributes.](#) *Journal of Architecture, Planning & Construction Management* , 8 (2) pp.43-49
- 2018** [Optimization of high-pressure processing in extraction of astaxanthin from Penaeus monodon carapace using response surface methodology.](#) *Journal of Food Process Engineering* , 41 (8)
- 2018** [Effect of seedling size and flowering time on fruit quality, secondary metabolite production and bioactivity of pineapple \[Ananas comosus \(L.\) Merr. var. 'Yankee'\] fruits.](#) *Malaysian Journal of Fundamental and Applied Sciences* , 14 (1 (January-March)) pp.102-108
- 2018** [Metals in respirable and inhalable dust at educational institutions.](#) *Planning Malaysia: Journal of the Malaysian Institute of Planners* , 16 (2) pp.21-29
- 2018** [Chromaticity stability of beta-carotene from pumpkin \(Cucurbita Moschata\).](#) *International Journal of Engineering & Technology* , 7 (4.43) pp.145-148
- 2018** [Carotenoid content and retinol activity equivalents \(RAE\) of seven varieties of Mas Cotek \(Ficus deltoidea\) leaf extracts.](#) *International Journal of Engineering & Technology* , 7 (4.43) pp.158-163
- 2018** [Callus Induction from leaf explants of Mas Cotek \(Ficus Deltoidea var. bilobata\) treated with 6-Benzylaminopurine \(BAP\) and 4-Amino-3, 5, 6-Trichloropicolinic acid \(Picloram\).](#) *International Journal of Engineering and Technology* , 7 (4.43) pp.164-167



- 2018** [Production of coloured callus in \*Orthosiphon stamineus\* Benth and antioxidant properties of the extracted pigments.](#) Pigment and Resin Technology , 47 (3) pp.196-207
- 2018** [Comparison between high-pressure processing and chemical extraction: Astaxanthin yield from six species of shrimp carapace.](#) Journal Of Dietary Supplements , 15 (6) pp.805-813
- 2018** [Forecasting scenic preferences for urban streetscape using photographic simulation.](#) Journal of Asian Scientific Research , 8 (12) pp.301-308
- 2018** [Carotenoid and chlorophyll profiles in five species of Malaysian seaweed as potential Halal Active Pharmaceutical Ingredient \(API\).](#) International Journal on Advanced Science, Engineering and Information Technology , 8 (4-2) pp.1610-1616
- 2018** [Screening of lutein content in several fresh-water microalgae.](#) International Food Research Journal , 25 (6) pp.2307-2312
- 2018** [Metal exposure in respirable & inhalable dust by the locality of coal-fired power plant.](#) Planning Malaysia Journal , 16 (2) pp.30-38
- 2018** [Inhalable and respirable dust concentration of soiled stone, metal and ceramic artefact inside National Museum Malaysia.](#) Planning Malaysia , 16 (2) pp.293-303
- 2018** [Detection and quantification of natural pigments extracted from callus of \*echinocereus cinerascens\*.](#) Pigment & Resin Technology , 47 (6) pp.464-469
- 2018** [Anthocyanin as potential source for antimicrobial activity in \*Clitoria ternatea\* L. and \*Dioscorea alata\* L..](#) Pigment and Resin Technology , 47 (6) pp.490-495
- 2018** [Identification of crocin, crocetin and zeaxanthin in \*Crocus sativus\* grown under controlled environment in Malaysia.](#) Pigment & Resin Technology , 47 (6) pp.502-506
- 2018** [Study on Muslim friendly spa: a conceptual framework.](#) International Journal of Academic Research in Business and Social Sciences , 8 (9) pp.2038-2050
- 2018** [Identification and characterization of pteroplinthite mangrove forests.](#) Journal of Architecture, Planning and Construction Management , 8 (1) pp.55-63
- 2017** [The standard elements for muslim-friendly accommodation premises.](#) Journal Of Contemporary Islamic Studies , 3 (2) pp.121-134
- 2017** [Effect of abiotic stress under light and dark conditions on carotenoid content in pumpkin \(\*Cucurbita moshata\*\) calluses.](#) Journal of Fundamental and Applied Sciences , 9 (2S (Special issue)) pp.861-875
- 2017** [Carotenoid content and composition in 20 medicinal plant species of traditional Malay midwifery postnatal bath.](#) Journal of Pharmacy and Nutrition Sciences , 7 (4) pp.193-197
- 2017** [Challenges to implement carrying capacity framework: A case study of Pulau Perhentian Marine Park institutional framework.](#) Planning Malaysia: Journal of the Malaysian Institute of Planners , 15 (1) pp.163-168

- 2017** [Stability of carotenoid composition in orange sweet potato \(\*Ipomoea batatas\*\) tuber flesh over three growing seasons and 6 months storage time.](#) Journal of Pharmacy and Nutrition Sciences , 7 (4) pp.158-163
- 2017** [Key indicator tools for shallow slope failure assessment using soil chemical property signatures and soil colour variables.](#) Environmental Science and Pollution Research , 24 (29) pp.22861-22872
- 2017** [The effect of time, temperature and solid to solvent ratio on pumpkin carotenoids extracted using food grade solvents = Kesan masa, suhu dan nisbah pepejal kepada pelarut ke atas karotenoid labu yang diekstrak menggunakan pelarut gred makanan.](#) Sains Malaysiana , 46 (2) pp.231-237
- 2017** [Nutrients depictions of Barhi date palm \(\*Phoenix dactylifera\* L.\) kernels 1.](#) International Food Research Journal , 24 (Suppl.) pp.S325-S334
- 2017** [Effect of abiotic stress on carotenoids accumulation in orange sweet potato callus under light and dark conditions.](#) International Food Research Journal , 24 (Supplementary Issue) pp.481-487
- 2017** [Characterisation of carotenoid and total retinol equivalent content in Ulam and medicinal species as alternative food intervention to combat vitamin A deficiency.](#) Journal of Pharmacy and Nutrition Sciences , 7 (3) pp.81-87
- 2017** [Defining criterias of shariah compliant hotel rooms.](#) Advanced Science Letters , 23 (7) pp.6304-6308
- 2017** [Isolation and purification of  \$\beta\$ -Carotene from \*Morinda citrifolia\* as HPLC standard and active pharmaceutical ingredient.](#) Journal of Pharmacy and Nutrition Sciences , 7 (3) pp.95-99
- 2017** [Influence of coal-fired power plant combustions toward neighbourhood residents.](#) Advanced Science Letters , 23 (7) pp.6114-6117
- 2017** [Inhalable and respirable dust metal concentration in existing and construction stage of airport infrastructure.](#) Advanced Science Letters , 23 (7) pp.6123-6126
- 2017** [The characterisations of airborne particulates soiling defect towards museum artefacts.](#) Advanced Science Letters , 23 (7) pp.6281-6284
- 2017** [Influence of growing location, harvesting season and post-harvest storage time on carotenoid biosynthesis in orange sweet potato \(\*Ipomoea batatas\*\) tuber flesh.](#) International Food Research Journal (IFRJ) , 24 (Suppl.) pp.S488-S495
- 2017** [Authentication of butter from lard adulteration using high-resolution of nuclear magnetic resonance spectroscopy and high-performance liquid chromatography.](#) International Journal of Food Properties , 20 (9) pp.2147-2156
- 2017** [Determination of natural carotenoid pigments from freshwater green algae as potential halal food colorants.](#) International Food Research Journal (IFRJ) , 24 (Suppl.) pp.S468-S471
- 2017** [Study on physiochemical properties and the halalness of commercially marketed vinegar in Malaysia.](#) International Food Research Journal (IFRJ) , 24 (Suppl.) pp.S428-S435
- 2017** [The diversity of birds and frogs species at Perdana Botanical Lake Garden, Kuala Lumpur, Malaysia.](#) Advanced Science Letters , 23 (7) pp.6256-6260

- 2017** [Attraction of three-star hotel through alternative entertainments.](#) Journal of Contemporary Islamic Studies , 3 (1) pp.31-40
- 2017** [Effect of abiotic stress on carotenoids accumulation in pumpkin plants under light and dark conditions.](#) International Food Research Journal , 24 (Suppl.) pp.S387-S394
- 2017** [Nutrients depictions of Barhi date palm \(Phoenix dactylifera L.\) kernels.](#) International Food Research Journal (IFRJ) , 24 (Suppl.) pp.S325-S334
- 2017** [Antioxidant and antimicrobial activities of astaxanthin from Penaeus monodon in comparison between chemical extraction and High Pressure Processing \(HPP\).](#) International Food Research Journal (IFRJ) , 24 pp.508-513
- 2016** [Analysis of heavy metals as a key indicator to predict shallow slope failure.](#) Journal of Environmental Biology , 37 (5) pp.1181-1185
- 2016** [Evaluation of carbon reduction through integration of vertical and horizontal landscape design for hotel premises.](#) Journal of Environmental Biology , 37 (5) pp.1187-1190
- 2016** [Optimisation of supercritical fluid extraction of astaxanthin from penaeus monodon waste using ethanol-modified carbon dioxide.](#) Journal of Engineering Science and Technology , 11 (5) pp.722-736
- 2016** [A review of the literature on the effect of airborne particulates matter towards museum visitors and museum artefact.](#) World Applied Sciences Journal , 34 (12) pp.1659-1666
- 2016** [Assessment of urban park landscape setting design towards carbon sequestration rate.](#) The Social Sciences , 11 (20) pp.4918-4923
- 2016** [Determination of permissible alcohol and vinegar in Shariah and scientific perspectives.](#) International Food Reserach Journal , 23 (6) pp.2737-2743
- 2016** [Simulation of absorption spectrum of photosynthetic pigments of chlorella vulgaris B algae.](#) Malaysian Journal of Mathematical Sciences , Volume 10 (5) (Special Issue- Part I) pp.123-130
- 2016** [Assessment of plant materials carbon sequestration rate for horizontal and vertical landscape design.](#) International Journal of Environmental Science and Development (IJESD) , 7 (6) pp.410-414
- 2016** [Encapsulated embryogenic callus of clitoria ternatea L. for regeneration and conservation.](#) International Journal of Environmental Science and Development (IJESD) , 7 (5) pp.363-367
- 2016** [Contamination composition of Fe, Mn and Al at 8 different profiles of solid waste disposal areas in Malaysia.](#) International Journal of Environmental Science and Development (IJESD) , 7 (5) pp.395-398
- 2015** [Microorganism as plastic biodegradation agent towards sustainable environment.](#) Advances in Environmental Biology , 9 (13) pp.8-13
- 2015** [Inhalable and respirable dust from coal-fired power plant.](#) Jurnal Teknologi , 77 (30) pp.1-6

- 2015** [Potential sources for lipid soluble food colorants from selected Malaysian traditional vegetables.](#) Malaysian Journal of Analytical Sciences (MJAS) , 19 (1) pp.268-274
- 2015** [Constitutive, institutive and up-regulation of carotenogenesis regulatory mechanism via in vitro culture model system and elicitors.](#) Malaysian Journal of Analytical Sciences (MJAS) , 19 (2) pp.437-444
- 2015** [Phytoremediation model system for aquaculture wastewater using glossostigma elatinoides and hemianthus callitrichoides.](#) International Journal of Sustainable Energy and Environmental Research , 4 (1) pp.1-7
- 2015** [Characterisation of carotenoid content in diverse local sweet potato \(ipomoea batatas\) flesh tubers.](#) International Journal of Pharmacy and Pharmaceutical Sciences , 7 (2) pp.347-351
- 2015** [The diversity of amphibian species in urban lake as ecological indicator for healthy aquatic environment.](#) Alam Cipta : International Journal on Sustainable Tropical Design Research and Practise , 8 (1) pp.76-82
- 2015** [Shariah compliance space planning for hotel room design.](#) International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering , 9 (10) pp.1253-1259
- 2015** [Sustainable hospital for urban residents.](#) Jurnal Teknologi , 77 (30) pp.13-17
- 2015** [Effect of locality on carotenoids stability in Malaysian orange sweet potato \(Ipomoea batatas\) tuber flesh.](#) Australian Journal of Basic and Applied Sciences , 9 (17(spe)) pp.40-45
- 2015** [Carbon sequestration rate modelling system for hotel and resort green spaces.](#) Advanced Science Letters , 21 (6) pp.1633-1637
- 2015** [Identification of total carotenoids and  \$\beta\$ -carotene content in different flesh tuber colours of local sweet potato \(Ipomoea batatas\) for pharmaceutical industry.](#) Australian Journal of Basic and Applied Sciences , 9 (17 (SpecIss)) pp.60-63
- 2015** [Rating tools for shariah compliant hospitality and services: landscape design stage.](#) Advanced Science Letters , 21 (6) pp.1643-1646
- 2015** [Muslim-friendly's homestay in Malaysia: issues and challenges.](#) Advanced Science Letters , 21 (6) pp.1655-1657
- 2015** [Shariah compliant audit checklist for tourism accommodation premises.](#) Advanced Science Letters , 21 (6) pp.1721-1724
- 2015** [The emergence of Islamic spa concept.](#) Advanced Science Letters , 21 (6) pp.1750-1753
- 2015** [Islamic tourism: beyond than just Halal food and a place for prayer.](#) Advanced Science Letters , 21 (6) pp.2085-2088
- 2015** [Novel landscape design model system approach: monitoring, predicting and calculating carbon sequestration rate for tourism accommodation premises green spaces.](#) Jurnal Teknologi , 77 (30) pp.89-99

- 2015** [Response of Lemna Minor and Salvinia Natans as phyto-remediation agents towards Fe, Cu And Zn toxicities via in vivo model system.](#) Jurnal Teknologi , 77 (30) pp.101-109
- 2015** [Ecological indicator agents for inorganic contaminants state monitoring through Sonneratia alba, Avicennia alba and Rhizophora apiculata.](#) Jurnal Teknologi , 77 (30) pp.111-118
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- 2019 [Inhalable and respirable dust mass concentration on soiled inorganic artefacts at the National Museum Malaysia.](#) In: **1st International Conference on Tourism, Management and Technology 2019**
- 2019 [Assessment of day spa premises spatial organization, components and services towards Muslim friendly elements.](#) In: **1st International Conference on Tourism, Management and Technology 2019**
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