You are cordially invited to join the grand annual MALAYSIA LAUNCH OF THE 2020 REPORT OF THE LANCET COUNCOWN ON HEALTH AND CLIMATE CHANGE hosted by Universiti Malaysia Terengganu (UMT)

**Date:** 17th December 2020  /  **Time:** 3 - 5 pm MYT (7 - 9am GMT)  /  **Fee:** Free & Open to All

Register now at https://umtsohor.com/Lancet2020UMT (Cisco Webex link will be given upon registration)
Pandemic Covid-19 has changed many facets of life, including the strategy of education and its practice. Admitting to this new adaptation, Microplastic Research Interest Group (MRIG) initiates its own webinar starting from July to December 2020. Live webinar session used to share knowledge, idea and research update on microplastic issues with audiences worldwide. The topic covers pervasiveness and the dangers of microplastic in our environment, threat to food safety, exploring new technology on method development or analysis, and enhancing public awareness.

Feature speakers throughout virtual events are prominent people in microplastic study includes Professor Dr. Akbar Tahir (Universitas Hassanuddin, Indonesia), Associate Professor Dr. Siriporn Pradit (Prince Songkla University, Thailand), Dr. Maria Kristina O. Paler (University San Carlos, Philippines), Madam Corry Yanti Manullang (Indonesia Institute of Science, Indonesia) and members of MRIG. Miss Joe Set and Miss Renee Teo both are representative from lab services industry sharing new technology and innovation ideas from Nexus Analytics and Bruker, respectively. Whereas, special guest, Miss Ellie S Jones from Everblue, USA brought to us the idea of scientific literacy used to encourage action against plastic pollution.

Through the interaction during the webinar, the visibility of MRIG has gained insight from our target audience among academia, researchers, public and industries playmaker. More than 400 online viewers participated thru Cisco Webex platform which varies from different institutional includes NIT Calicut (India), National University of Singapore (Singapore), Industrial University Ho Chi Minh (Vietnam), Prince Songkla University, National Nanotechnology Center (Thailand), Universitas Indonesia, IPB University (Indonesia) and local research center or universities (Department of Chemistry, Fisheries Research Institute, Universiti Teknologi Malaysia, Universiti Sains Malaysia, Universiti Putra Malaysia, Universiti Teknologi MARA, Universiti Malaysia Kelantan, Universiti Tun Hussein Onn Malaysia).

In short, thanks to this platform, MRIG has greatly disseminate the successful story of our group in research and development, consultation and corporate social responsibility projects since its establishment in 2018. Indeed, communication virtually actually helps to promote faculty and as well as Universiti Malaysia Terengganu plays a crucial role in educating the public and delivering new knowledge or innovation in society.

Sources: Wan Mohd Afiq Wan Mohd Khalik (PhD), wan.afiq@umt.edu.my; Microplastic Research Interest Group; FACULTY OF SCIENCE AND MARINE ENVIRONMENT
Prof. Dato’ Dr. Nor Aieni Binti Haji Mokhtar, Vice Chancellor of Universiti Malaysia Terengganu (UMT) visited the Kelulut Translational Project in Setiu Wetland on the 11th October 2020. She personally reviewed the development of the project and appreciated for the successful running of this project as an Ecotourism initiative in Setiu Wetland. UMT is actively seeking to boost the ecotourism activities through the translational research projects and also at the same time develop the communities in Terengganu.

This translational project led by Associate Professor Dr. Shamsul Bahri Abd Razak has received good cooperation from the community of NGO, ECOSWED led by En. Halim and YM Tengku Azam Tengku Mat who also represents the community. On the other hand, Tuan Haji Mohd Sophian Bin Abu Bakar, District Officer and Land Administrator of Setiu and YM Tengku Mohd Arifin Bin Tengku A. Rahman, Director of Terengganu State Park Management Council were also presented during the visit.

The Setiu District Office and Terengganu State Park would highly welcomes and supports efforts to develop the community and hopes that this project will be a good ecotourism model for other community projects in Setiu District as well as in Terengganu State.

Sources: Assoc. Prof. Dr. Shamsul Bahri Abd Razak, shamsul@umt.edu.my & Dr. Mannur Ismail Shaik, mannurismail@umt.edu.my

FACULTY OF FISHERIES AND FOOD SCIENCE
WorldFish (2020) estimated 204 million tons of the aquatic food production by 2030. Currently, aquatic food benefits approximately 3.3 billion world population in getting their 20% animal protein. However, 35% of global postharvest loss are from fisheries and aquaculture sector that worth of 22.5 billion USD. Postharvest loss is defined as decrease in the mass, nutritional value and quality attributes of edible food at all stages in value chain operations that intended for human consumption. After harvest, the normal regulation system, oxygen supply and energy production in fish stops. Fish encounter autolytic process which involve the developments of rigor mortis, degradation of glycogen and pH lowering. Furthermore, improper handling and processing leads to limit the shelf-life due to the enzymatic (endogenous or microbial enzymes), chemical reactions and microbial invasion. Current research and development of advance postharvest technologies specifically on the antimicrobial active packaging system concede for the optimal maintenance of fish quality and extended shelf-life.

Traditionally, packaging offer four main functions; protection, containment, communication and convenience. In advance, antimicrobial active packaging well-designed to prevent the growth of spoilage bacteria by releasing an antimicrobial substance. Antimicrobial substances can be incorporated in or coated onto the packaging material that designated by various protein-based biopolymers incorporated with bioactive agents. Antimicrobial packaging comprises four varieties; 1) placing a sachet to the package, 2) coating of the surface of packaging materials with bioactive agents, 3) dispersing bioactive agents to the package and 4) use of antimicrobial macromolecules having film-forming property. The effectiveness are depends on the concentration of active agents, storage temperature and targeted microorganisms. Presently, studies on the effectiveness of moringa leaves extract, guava leaves extract, and squid ink extract as well as gelatine-chitosan film incorporated with clove oil essential oils reveals the antioxidant properties and antibacterial activity that significantly benefits in keeping quality of fish and shellfish. Institute of tropical Aquaculture and Fisheries (AKUATROP) is in a mission to develop biodegradable film that relevant for active packaging in seafood preservation and packaging industry.

Sources: Dr. Nurul Ulfah Karim, ulfah@umt.edu.my; & Mohd Ihwan Zakariah, ihwanz@umt.edu.my; INSTITUTE OF TROPICAL AQUACULTURE AND FISHERIES

AKUATROP TOWARDS HICoE 2020 “Sustainable shellfish aquaculture for future food”

https://www.facebook.com/AkuatropUMTOfficial/
Congratulations!

Assoc. Prof. Dr. MEISAM TABATABAIEI
Institute of Tropical Aquaculture and Fisheries (AKUATROP)

For successfully publish in
High-impact Journal The Lancet
Title
The 2020 Report of The Lancet Countdown on Health and Climate Change: Responding To Converging Crises

(IMPACT FACTOR: 60.392)
“1st paper by UMT researcher published in The Lancet”

Congratulations!

Assoc. Prof. Ts. Dr. LAM SU SHIUNG
Institute of Tropical Aquaculture and Fisheries (AKUATROP)

For successfully publish in
High-impact Journal The Lancet
Title
One Health or Planetary Health for pandemic prevention?

(IMPACT FACTOR: 60.392)
“2nd paper by UMT researcher published in The Lancet”

AKUATROP TOWARDS HICoE 2020 “Sustainable shellfish aquaculture for future food”

https://www.facebook.com/AkuatropUMTOfficial/
MASTER OF SCIENCE AQUACULTURE (MOFA 6902)
PROGRAMME BY COURSEWORK
FACULTY OF FISHERIES AND FOOD SCIENCE

FEBRUARY / SEPTEMBER INTAKE
12 MONTHS 40 CREDIT HOURS

WHY CHOOSE US?
- UMT is the top 5% university in Asia
- UMT is leading in aquatic resources study
- Learn from experienced lecturers
- Course collaboration with industries
- Very low tuition fees

YOUR FUTURE CAREERS
- Aquaculture scientist
- Aquaculture manager
- Aquaculture consultant
- Aquaculture technician
- Aquaculture manager

TUITION FEES
MALAYSIAN MYR 11,230
INTERNATIONAL MYR 18,230 ~ USD 4,390

PROGRAMME STRUCTURE
Semester 1
- Animal Husbandry
- Aquaculture and sustainability
- Aquaculture and Aquaculture
- Aquaculture and Aquaculture
- Aquaculture and Aquaculture
- Aquaculture and Aquaculture

Semester 2
- Aquaculture Business Management
- Aquaculture Business Management
- Aquaculture Business Management
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- Aquaculture Business Management

Electives courses
- Advanced Aquaculture Systems Design
- Advanced Aquaculture Systems Design
- Advanced Aquaculture Systems Design
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- Advanced Aquaculture Systems Design
- Advanced Aquaculture Systems Design

MORE INFO
Dr. Soon Siong Bachor
Faculty of Fisheries and Food Science
www.umt.edu.my

FACULTY OF FISHERIES AND FOOD SCIENCE

FEBRUARY / SEPTEMBER INTAKE
18 MONTHS 40 CREDIT HOURS

WHY CHOOSE US?
- UMT is the top 5% university in Asia
- UMT is leading in aquatic resources study
- Opportunity for a short course in Thailand, Taiwan, or Indonesia
- Learn local and international cultures
- Very low tuition fees

YOUR FUTURE CAREERS
- Fishery scientist
- Fishery manager
- Fishery consultant
- Fishery technician
- Fishery environmental manager

TUITION FEES
MALAYSIAN MYR 11,660
INTERNATIONAL MYR 14,660 ~ USD 3,530

PROGRAMME STRUCTURE
Semester 1
- Aquaculture and Aquaculture
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Semester 2
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Electives courses
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MORE INFO
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Faculty of Fisheries and Food Science
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ADMISSION REQUIREMENTS
- Bachelor’s degree in the relevant field with a minimum GPA of 3.5 or equivalent from UMT or any other higher institution recognized by the Ministry of Education, Malaysia. Other requirements may include English language proficiency, a minimum of 2 years of work experience in relevant areas, and a relevant minimum GPA of 3.5 or equivalent from a recognized institution. Other requirements may include English language proficiency, a minimum of 2 years of work experience in relevant areas, and a relevant minimum GPA of 3.5 or equivalent from a recognized institution.
MASTER
OF BUSINESS ADMINISTRATION
MBA UMT OFF-CAMPUS CYBERJAYA

PROGRAM OVERVIEW

Our MBA Program is designed to train executive to think strategically and analytically through intensive series of stimulating lectures, energetic seminars, and conducive small team projects.

The MBA adds value to your first degree by developing an integrated and deep understanding of management and leadership at organisational levels and in a global market.

Enhance your knowledge and skills in any of the four concentrations of your choice namely Strategic Management, Marketing, Islamic Finance and Maritime Logistics.
WHY STUDY WITH US?

- Offers a wide range of competitive programs which are carefully designed and frequently revised to ensure their relevance to the real business world and the changing global economy.
- Integrated approach that combines core courses, elective courses and a project paper. Four elective course concentrations are offered to meet your career goals: Strategic Management, Marketing, Islamic Finance, Maritime Logistics and Transport.
- Flexible and blended mode of delivery
- Competitive Tuition Fee
- Accredited by MQA

CORE COURSES
- Accounting for Managers
- Managerial Economics
- Organizational Management
- Electronic Commerce Technology
- Human Resource Management
- Financial Management
- Coastal Community Development
- Business Research Methods
- Business Ethics in Corporate Governance
- Operations Management
- Strategic Management
- Marketing Management
- Project Paper

MARKETING:
- Consumer Behavior
- International Marketing
- Sales Management
- Services Marketing
- Tourism Marketing
- Destination Marketing

ISLAMIC FINANCE:
- Governance and Applications of Syariah in Islamic Finance
- Islamic Financial Institutions and Markets
- Islamic Economics: Theory and Practice
- Financial Operations and Deposits of Islamic Banking
- Syariah Applications in Financial Transactions
- Estate Planning and Management in Islam

MARITIME LOGISTIC AND TRANSPORT:
- Modern Port Management
- Marine Insurance
- The Law of Carriage of Goods By Sea
- Logistics and Supply Chain Management
- Maritime Logistics
- Custom and Forwarding Agent

ELECTIVE COURSE CONCENTRATIONS

STRATEGIC MANAGEMENT:
- Change Management
- Strategic Entrepreneurship
- Organizational Behavior
- Innovation Management In Organization
- Strategic Leadership and Decision Making
- International Business

HOW TO APPLY
- Application can be made online via http://gsea.umt.edu.my throughout the year.
- Application will only be processed on receipt of full supporting documentation required.
- All application received will be processed and successful applicants will be notified without delay.
- Recommendation by two (2) academic referees (sealed) for students with degree other than conferred by UMT.
- Please include any other relevant documents e.g Curriculum vitae, supporting letter(s) and professional certificates (If any).
- Intake: September
- MBA program is offered at UMT Off-Campus Cyberjaya