Student Research Day@UMT for this year has been virtually hosted by the Faculty of Ocean Engineering Technology & Informatics UMT with the theme “Bridging the Gap UMT-Industry”.

This annual event is a platform for all final year undergraduate and postgraduate students to showcase their final year projects and how it can benefit towards life enhancement, enrichment of knowledge, and innovation in research products to industries and communities.

More than 2,000 students from various programs and fields of studies such as Fisheries and Food Sciences, Science and Marine Environment, Ocean Engineering Technology and Informatics, Maritime Studies, Business and Economics, and Social Development have participated in the online video presentation. All the works can be find at: http://srd.umt.edu.my/wp-content/uploads/sites/169/2020/07/SRD2020/mobile/index.html.

The winner has announced at SRD@UMT 2020 Award Giving Ceremony that was held on 15th September 2020. Congratulations to all the winners and participants!
CONGRATULATIONS!

Gold Award
NARESH KUMAR CHENAPPAN
SMG (KIMIA ANALISIS DAN PERSEKITARAN)
FASILITI SAHIB DAN SEKITARAN MARDIN
PRELIMINARY ASSESSMENT OF AIRBORNE MICROPLASTICS IN UNIVERSITI MALAYSIA TERENGGANU
SUPERVISOR: DR. NOORUN MÖHAMAD

Silver Award
HURAINI HABILAH ZULKIFLI
SM SAHIB AGROTEKNOLOGI (TEKNOLOGI LEPAS TUAJ)
FASILITI PERKINAN DAN SAHIB WAKANAN
THE EFFECT OF FERMENTED N-POLYMERIC CASA BENDA LEAF EXTRACT ON THE QUALITY OF WHITE SHRIMP (LUPERNIMUS VANNAMEI)
SUPERVISOR: DR. JULLA HRUSAY

Bronze Award
MUHAMMAD SYARUL AZREE ARSHAD
SM EKONOMI (SUMBER ALAM)
FASILITI PERTEGUAN, EKONOMI DAN PEMBANGUNAN SOSIAL
ENTERPRISE/BUSINESS CONTEXT OF KENAF INDUSTRY
SUPERVISOR: DR. HOFI EKRAHATUHUSAIN

Consolation
FATINAH 'IZZATI TERUNA @ MOHD SHUKRI
SM PENGURusan (MARITIM)
FASILITI PENGURusan MARITIM
THE SYMBIOSES OF RELATIONSHIP BETWEEN SEAPORT AND DRY PORT AT PALMA
SUPERVISOR: DR. JAIPA FEFARI

Consolation
NURHANISAH OMAR KHAN
SMMG (FIZIK: ELEKTRONIK DAN INSTRUMENTASI)
FASILITI TEKNOLOGI KELUARAN, KELANTAN DAN INFORMAITE
DESIGN AND CALIBRATION OF APPLIANCES ENERGY MONITOR AT POWER PLUG LEVEL USING ARDUINO
SUPERVISOR: T. DR. HUMAYUD DAKIR DAIQ
ENHANCED OPPORTUNITIES FOR MANGROVE STUDIES THROUGH UAVS AND MOBILE APPS.

Information technology has become an integral part of the ecological research, especially for coastal habitats monitoring and management through time and cost saving advantages. In the case of mangroves, remote sensing (satellite and aerial) data created a benchmark and still progressing with several technical advancements in terms of data acquisition as well as analysis. As satellite images are often constrained by cloud cover and aerial photos from manned aerial vehicles are expensive, the studies on mangroves are now benefiting from Unmanned Aerial Vehicles (UAVs). Meanwhile, the emerging technology also brought several mobile apps. (for smart phones and simple tabs) to serve species’ identification and record in situ measurements. In this context, the mangrove identification multimedia software from various educational/research organizations (e.g. Mangroves - Identification kit by IFP, Mangroves by Godrej Infotech Ltd., iMangroves by MangroveWatch Ltd., etc) are extremely useful to the students as well as the researchers. Another app. called EarthTrack (from Aberystwyth University, UK) supports near real time data collection and input of field-based measurements. The data being collected through this app. allows validation of the existing land-use/cover maps together with change detection and development of new satellite-based algorithms. Similarly, the Gap Light Analysis Mobile App. (GLAMA from Masaryk University, Czech Republic) would be able record canopy cover (%) that crucial for natural recruitment and habitat connectivity assessments, tree disease (e.g. dieback) monitoring, growth forecasts, etc. These days ground inventory data from mangroves are not only possible to save in digital formats directly, but also to upload, retrieve and even share with other research partners elsewhere.

Sources: Assoc. Prof. Dr. Behara Satyanarayana, satyam@umt.edu.my; Mangrove Research Unit (MARU), INSTITUTE OF OCEANOGRAPHY AND ENVIRONMENT (INOS),
Sultanah Nur Zahirah Library (PSNZ) has subscribed to the database with a cost of MYR 4 million annually. The database can be accessed through the library portal or EZproxy for the out campus user. This subscription offers an enormous of quality indexed articles, information resources for reference, and learning facilities for UMT users. This subscription also allows users to access quality articles, specific to niche areas of UMT research. Areas of study included in the subscription are such as social sciences, marine sciences, economics, biodiversity, and many more.

Database usage will be consistently promoted through webinar training, promotional activity, and conduct literacy class. Library users are welcome to provide insights into improving the content and access of the database.

Source: Mohd Shahrulnizam Zuraimi, msn@umt.edu.my; PERPUSTAKAAN SULTANAH NUR ZAHIRAH (PSNZ)
A unique mud lobster was discovered in Setiu Wetland and was identified as *Thalassina anomala*. The mud lobster is actually not a lobster but more of a giant shrimp inhabiting the muddy area of the wetland. They are locally referred to as “ketam busut” and generally associated with the mounds made by the species. The mud lobster looks like a scorpion. They are nocturnal decapod crustaceans often found in the mangrove area. They are common in Setiu Wetland but rarely seen due to their nest that are far underneath the ground. However, we can see the mound created by this mud lobster which appears like a mini volcano. The *Thalassina* built their nest not too far from the salt water source. Apparently, the mud lobster is not able to survive when it is trapped in non-saline water.

The mud lobster is not a commercial species because it is not popular as a food source. Based on local knowledge, the mud lobster has been traditionally used as remedy for asthma. The mud lobster is boiled and the essence is consumed to relieve asthmatic symptoms.

Sources: Assoc. Prof. Dr. Marina Hassan marina@umt.edu.my & Mohd Ihwan Zakariah ihwanz@umt.edu.my, INSTITUTE OF TROPICAL AQUACULTURE AND FISHERIES
Masters of Science in Aquaculture
(MOA/FA 9002)
(Faculty of Fisheries and Food Science)

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More Info
Dr. Wun Brand śmśxen Wun Shaw
Head of Programme
Faculty of Fisheries and Food Science
UMT, 26300 UMT, Seri Kembangan, Selangor

Tuition Fees
Malaysian: MYR 11,230
International: MYR 18,230 ~ US$4,930

Programme Structure
Semester 1
- Research Methodology
- Aquaculture and Seaweed Safety
- Aquaculture System Design
- Case Study 1
- Special Topics in Aquaculture
- Elective 1

Semester 2
- Aquaculture Business Management
- Case Study 2
- Fish Health Management
- Aquaculture in Post Harvest Technology
- Fish Nutrition
- Elective 2
- Elective courses
- Advanced Fish Nutrition and Physiology
- Aquaculture Systems Design
- Fish Reproductive Physiology
- Live Fish Technology
- Advanced Aquaculture Systems Design
- Advanced Seed Production

Admission Requirements
1. Bachelor's degree with CGPA 2.5 and above in relevant courses, general science and technology.
2. Any other equivalent qualification is required.
3. Demonstrate competency in English, satisfactory to the requirements of the University.
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- 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

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- 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

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