

Capacity Building NGO in the Environmental Field as an Enabler to Malaysian Professionals Growth

BERITA ENSEARCH

CLIMATE CHANGE-Paris Agreement-Limit Temperature Increase < 2°C

“South East Asia to experience largest impacts on Economic growth should Global Warming exceed 1.5°C”

Brief History of ENSEARCH

ENSEARCH was formed on 26th November 1984 by a pioneer group of local professionals and academics from multidisciplinary backgrounds. Its first President (1984-2000) was Ir. K. Kumarasivam and its first Hon. Secretary General was Dato' Dr. Abu Bakar Jaafar. Today, ENSEARCH has more than 300 Members consisting of Corporate, Individual and Life Members.

It is acknowledged that enhanced awareness and competency of organisations and individuals through education and training is essential to achieve the objectives of Malaysian Environmental Quality Act 1974. Therefore ENSEARCH began formulating and implementing training programmes to enhance the capacity for environmental management in Malaysia.

In addition, ENSEARCH organises Tea Talks and Public Lectures to enhance awareness on pertinent and comprehensive issues on the environment. ENSEARCH has also been actively involved in dialogue sessions with relevant authorities in development of legislative and regulatory frameworks that strengthens the environmental management practices in Malaysia. In recognition of ENSEARCH's objectives, it has been given tax-exempt status whereby the donations to ENSEARCH are exempted from tax.

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NOTE TO MEMBERS

Members are encouraged to write to us at admin@ensearch.org in the event of changing contact details. Corporate members are recommended to provide more than one contact (email address) to facilitate better dissemination of ENSEARCH information.

Editor's Note

Dear Members,

Time flies and it's a good four months since the last Berita ENSEARCH.

As more and more people choose to stop using plastic straws and increasing number of retailers reducing use of plastic straws, it seems environmental awareness in the country is at a high; especially amongst the young generation. The momentum is continued with Earth Hour 2019 and International Mother Earth Day celebration that focuses on communication of biodiversity and climate change to the general public. It is hoped that more people learnt about the impacts of climate change to their life and by changing individual lifestyle could collectively change climate change.

Unpredicted dry season and saltwater intrusion are potential impacts of climate change. Despite the fact that most of the developed areas in Malaysia is supplied with water, there are areas facing difficulty in water provision. Many of us staying in urban areas enjoy the supply of water without knowing that there are communities struggling with daily life due to lack of water supply and saltwater intrusion. In this edition, the Bulletin features an article of desalination project in Kelantan that benefits the Community.

Minister of Housing & Local Government, YB Zuraida Kamaruddin has recently stated the plan of having at least one Waste to Energy (WtE) plant in each state is underway. As Ministry of Energy, Science & Technology, Environment and Climate Change (MESTECC) is busy cracking down the illegal plastic waste recycling plants, YB Zuraida announced that the government is planning to have centralized hub to recycle plastic waste.

Meanwhile, new Regulations enforced by SW Corp has come into effect, namely *Solid Waste and Public Cleansing Management (Scheme for Commercial, Industrial and Institutional Solid Waste Regulation 2018)* which requires Commercial, Industrial and Institutional units to segregate waste, and *Solid Waste and Public Cleansing Management (Scheme for Construction Solid Waste Regulation 2018)* which requires construction waste to be segregated for proper disposal.

In view of the trending development of waste matters and in support of the Sustainable Development Goals 12: Responsible Consumption and Production, ENSEARCH is organising the International Conference and Exhibition on Waste Management (ICEWM 2019) to provide a platform for practitioners, policy makers and innovators opportunity to meet and streamline waste management towards circular economy.

This bulletin also features an article on detrimental impact of noise to our health in relation to recent enforcement of the new Occupational Safety and Health (Noise Exposure) Regulations 2019 by Department of Occupational Safety & Health (DOSH).

Wishing everyone happy reading and we welcome you to write to us your feedback and share with us your articles for our upcoming editions.

Kelvin Diong

Editor

Publication and Website

Featured Member

ENSEARCH Vice President

Datuk Ir. Othman Bin Abdul Rahim is the current Vice President of ENSEARCH. He graduated from University College of Swansea, Wales, United Kingdom in 1983 with a Bachelor in Civil Engineering. After graduation, he worked with Jabatan Kerja Raya (JKR) as a Design Engineer and work as Road Engineer from 1984 until 1990 at JKR Melaka. At the age of 30, he became the Chief Engineer at Projek Penyelenggaraan Lebuhraya Bhd (PROPEL) from 1990 to 1992. He was Managing Director at O&L Jurutera Perunding Sdn Bhd for 22 years before becoming the Chairman in 2014. He is also the Managing Director of an environment and traffic consultant, Ciri Selasih Sdn Bhd.

Datuk Ir. Othman is a registered Professional Engineer with the Board of Engineers Malaysia. His other qualifications and professional certifications include Member of Institution of Engineers Malaysia (MIEM), Member of the Institution of Highways and Transportation (UK) as well as Environment Impact Assessment Consultant in Hydrology and Water Quality with the Department of Environment. He has been an individual member with ENSEARCH for many years.

Datuk Ir. Othman plays golf and guitar during his free time. He is also the Chairman of Sri Mahkota Community Association, Taman Muzaffar Shah, Air Keroh, Melaka since 2014.



Datuk Ir. Othman has been serving as council member of ENSEARCH since 2016 prior to being elected as Vice President of 2018/2019 term.



Datuk Ir. Othman with his wife, Datin Salasih Sharip .



He enjoys playing guitar and singing with his daughter during family functions and events.



Featured Article

Sustainable Water Supply Through Seawater Desalination in Kampung Pantai Senok, Bachok, Kelantan

Sofiah Hamzah, Ahmad Jusoh, Asmadi Ali, Mohd Izham Abdul Wahid, Nazli Aziz, Nora'Aini Ali, Mohd Sofiyan Sulaiman, Mohd Asamuddin Abdul Rahman, Mohd Kamri Mamat, Mohd Faizal Mohd Noor, Mohd Zaideen Yusoff, Ahmad Fauzi Ismail and Nor Aieni Mokhtar

Background

Water is a renowned major environmental stress issue that requires expeditious technical and management solutions. Water desalination, refers to the process of removing salts and minerals (contaminants) from either seawater or brackish water in order to attain clean water suitable for human consumption and industrial usage [1].

This technology has evidently provided immediate solutions to the growing water crisis mainly in Middle East by being able to reliably deliver large quantities of fresh water to needed community. Particularly, desalination using reverse osmosis membranes are now considered to be the most promising and practical desalination options thanks to their high energy efficiency [2,3].

These processes also offer advantages such as low space requirement, process and plant compactness, operational simplicity, and ease of process automation [4]. Based on the current scenario, desalination is seen as the alternative that can offer abundant and steady source of fresh water regardless of the weather or possible climate changes in Malaysia.



1.0 Determination of Location for Desalination Plant

Water quality monitoring and community interview were carried out by UMT research team at few selected areas to identify the best location for Sustainable Water Desalination (SWD) plant installation as well as to seek cooperation and consent from all parties involved in the design and construction of the desalination plant. UMT research group visited Kampung Pantai Senok, Bachok, Kelantan and Kampung Nail, Kuala Besut, Terengganu where researchers obtained valuable information through Y. Bhg Dato 'Mohd Radzuan Abdullah (DUN Coordinator) and YBM Tengku Zaihan Che Ku Abdul Rahman, Kuala Besut on background of the location.



Interview with community and water quality monitoring for SWD plant site selection



Featured Article

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Through the survey and discussion, Bachok in Kelantan is selected for the SWD plant development due to critical water supply problem affecting the local community in the district. There is no natural supply of potable water, thus the local community is over dependent on tube well water supply that is yellowish and poor in quality.

A number of considerations determined the site selection. The placement of intake point is critical to ensure the sustainability of the treatment plant as the best water quality could be obtained from water intake that is as closed as possible to the water surface. Besides, the sea-water quality of the selected area in Bachok shall comply with the requirements of the membrane technology system.

Water quality sampling was carried out at a few shortlisted locations. Water samples were analyzed based on the general physical water quality such as salinity and total dissolved solids, chemical compositions such as sodium ions, boron and iron and biological components such as algae growth, organic residues and microbes.

The suitability is referred to the standard by Ministry of Health Malaysia. Summary of the results is shown in **Table 1** and based on the findings, Kg. Pantai Senok (brackish water at Sungai Pengkalan Datu) has been selected as the location for SWD plant due to its safe and suitable quality of water for treatment using desalination technology.

Table 1: Water quality at selected locations

Sumber Air	Sapinity (ppt)	Ferum (mg/L)	Manganese (mg/L)	TDS (mg/L)	Turbidity (NTU)	pH	
Kg Pantai Senok	Air Sungai-Muara	31.9	1.12960	0.19669	2111	95	7.97
	Air Perigi	0.45	NA	0.06277	598	8.45	6.9
	Air Bumi	0.58	0.30225	0.13609	756.2	0.25	7.11
Kg Tanjung Jering	Air Sungai-Muara	0.11	NA	NA	11.05	46.1	6.18
	Air Perigi	0.13	0.06934	0.27862	179.4	1.96	6.92
	Air Bumi	0.15	0.05029	0.04844	54.4	15.8	6.7
Sg Kemasin	Air Sungai-Hulu	0.04	0.05029	0.04844	54.4	15.8	6.7
	Air Sungai-Hilir	1.89	NA	0.02893	2348.7	15.32	6.6
Standard Kualiti Air Mentah Malaysia		1.0	0.2	1500	1000	5.5-9.0	

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Site Location of SWD Plant, Bachok, Kelantan

2.0 Plant Construction and Seawater Desalination System Installation

The construction of the SWD plant and raw water intake system were implemented by the Center for Development and Property, Universiti Malaysia Terengganu and the installation of the water treatment system was conducted by AMTEC, Universiti Teknologi Malaysia.

Apart from that, further discussions were also conducted with Air Kelantan Sdn. Bhd, Bachok and few local authorities to get the approval for development of the project. In general, local authorities are very supportive of the installation of desalination plants to supply clean and safe water to residents.

The project was launched by Ministry of Higher Education, Dato' Seri Idris Jusoh on 3rd February 2018 and the produced desalinated water fulfilled the requirement for drinking water by Ministry of Health Malaysia.

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Site visit by project members and construction stages of SWD plant installation in Kg Pantai Senok

3.0 Impact of Desalination Plant Development

The success of the translational research is largely influenced by the close support and cooperation between the researchers, the communities and the authorities involved. Since its inauguration in May 2017, various parties including government agencies, local authorities and local leaders provided great support, including technical assistance to ensure that it runs smoothly. All parties involved realise that their contribution to the success of this project will be of great benefit to the community in order to solve the problem of long-term water supply disruption. The translational research is not only a short-term solution to the community. It is also a source of direct change to the socio-economic population which ensures the transfer of knowledge or technology dominated by leading researchers at public universities materialised through social innovation.

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The difficulty in getting clean water supply experienced by the residents has been reduced with the completion of this project. The project successfully supply high quality and clean freshwater with maximum capacity of 0.5 MLD, benefiting 3,300 residents in Tawang. It also stimulates economic growth of local population and improved health and quality of life of the community in the selected area. The sustainable water supply from the plant seem to be a catalyst for the development of the surrounding area, as Pantai Senok is an attraction due to its strategic location at the seafront and river estuary with stunning landscapes, always being the focus of both local and foreign tourists.

The initiative by Ministry of Higher Education is hoped to reap long term return to the target community, creating other predictable chain effects such as development of tourism sector, business potential and the existence of more jobs available to nearby residents. This opens a new chapter for the local community of Kampung Senok.

References

- [1] S.S. Shenvi, A.M. Isloor, A.F. Ismail, A review on RO membrane technology: developments and challenges, *Desalination* 368 (2015) 10–26, <https://doi.org/10.1016/j.desal.2014.12.042>
- [2] P. Cay-Durgun, M.L. Lind, Nanoporous materials in polymeric membranes for desalination, *Curr. Opin. Chem. Eng.* 20 (2018) 19–27, <https://doi.org/10.1016/j.coche.2018.01.001>.
- [3] J.R. Werber, A. Deshmukh, M. Elimelech, The critical need for increased selectivity, not increased water permeability, for desalination membranes, *Environ. Sci. Technol. Lett.* 3 (2016) 112–120, <https://doi.org/10.1021/acs.estlett.6b00050>.
- [4] M. Qasim, N.N. Darwish, S. Mhiyo, N.A. Darwish, N. Hilal, The use of ultrasound to mitigate membrane fouling in desalination and water treatment, *Desalination* 443 (2018) 143–164, <https://doi.org/10.1016/j.desal.2018.04.007>.

Did you know ?



Corner

6 CLEAN WATER AND SANITATION



Over **95%** coverage for treated water and sanitation facilities in Malaysia.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



There are **82**

Ministry of Science, Technology and Innovation Social Innovation Projects to promote grassroots innovation benefiting local communities (2016). Social needs were met through projects, services, capacity building in skills or innovative products by using existing sustainable technology.

Malaysia Sustainable Development Goals Voluntary National Review 2017

Featured Article

Why Car Horns, Planes and Sirens Might Be Bad for Your Health

By Lindsey Bever

Original article from *The Washington Post*

The roar of a jet plane, the rumble of a big rig, that shrill scream from the siren of a speeding emergency vehicle:

The common but loud noises that keep you awake at night and agitate you throughout the day may have a notable effect on your cardiovascular health, experts say.

Researchers say noise pollution may increase the risk of heart disease, such as coronary artery disease, hypertension and heart failure, according to [a review paper published in the Journal of the American College of Cardiology](#).

Why? The authors, who examined research on noise pollution and heart disease, say that loud sounds not only disrupt sleep, which can lead to health problems, but can also ignite the stress response, releasing a rush of hormones that, over time, can damage the heart.

“Ten years ago, people were saying that noise is just annoying, but now I think there’s considerable evidence that noise makes you sick, and one of the predominate diseases is cardiovascular disease,” lead author Thomas Münzel said Tuesday in a phone interview with *The Washington Post*.

The research does not prove that loud noise cause heart disease. But Münzel, with the cardiology center at the University Medical Center of the Johannes Gutenberg University Mainz, [told ABC news](#) that noise pollution - or unwanted environmental noise - is a risk factor for heart disease in the same way that high cholesterol and obesity may increase the

Those confronted with noise pollution, which causes disturbances to communication during the day and sleep at night, may have increased stress hormone levels, he said.

Over time, Münzel said, it can take a toll on the body — increasing cholesterol, blood pressure and heart rate. “If this persists for years, then you have a risk of coronary artery disease, stroke, heart failure and arrhythmia,” he told *The Post*.

Münzel added that long-term noise pollution may also be linked to depression and anxiety disorders as well as problems with cognitive development in young children.

But in researching the link between noise pollution and heart disease, experts warn that there are also factors that can complicate the findings. For instance, people who live in heavily populated areas more likely to be plagued by noise are also exposed to more particle pollution in the air, which can also cause heart problems. And, people who live in such areas may also have a different socio-economic status, meaning they may not have the same access to health care or healthful foods.

Still, said Steve Kopecky, a professor of medicine specializing in cardiovascular diseases at the Mayo Clinic, noise and how it affects health is something to consider.

“I think it’s something we need to pay more attention to in terms of our everyday living,” he told *The Post*.



Featured Article

Why Car Horns, Planes and Sirens Might Be Bad for Your Health

By Lindsey Bever

Original article from *The Washington Post*

The World Health Organization calls noise pollution “an underestimated threat” that can cause “sleep disturbance, cardiovascular effects, poorer work and school performance, hearing impairment.”

The agency has published guidelines for community noise ([PDF](#)), recommending 30 A-weighted decibels in the bedroom for a good night's sleep.

A car measures 70 decibels, a jackhammer 100 decibels and an airplane takeoff 120 decibels, according to a WHO decibel scale cited by ABC News. “Though there is no set threshold to establish risk, we do know that anything above 60 decibels can increase risk for heart disease,” Münzel told the station.

“We need more research to determine what duration of exposure to loud noise is harmful, but we do know that the risk comes from years and years of exposure, not days,” he added.

Experts say that loud noises, especially when people are not expecting them, can trigger the stress response.

How does it work?

[According to the Mayo Clinic](#), when a person senses a threat, “your hypothalamus, a tiny region at the base of your brain, sets off an alarm system in your body.”

Those confronted with noise pollution, which causes disturbances to communication during the day and sleep at night, may have increased stress hormone levels, he said.

It states:

Through a combination of nerve and hormonal signals, this system prompts your adrenal glands, located atop your kidneys, to release a surge of hormones, including adrenaline and cortisol.

Adrenaline increases your heart rate, elevates your blood pressure and boosts energy supplies. Cortisol, the primary stress hormone, increases sugars (glucose) in the bloodstream, enhances your brain's use of glucose and increases the availability of substances that repair tissues.

Cortisol also curbs functions that would be non-essential or detrimental in a fight-or-flight situation.

It alters immune system responses and suppresses the digestive system, the reproductive system and growth processes.

This complex natural alarm system also communicates with regions of your brain that control mood, motivation and fear.

Kopecky said people may not pay attention to certain sounds when they expect them — such as hearing horns honk while sitting in bumper-to-bumper traffic — but that same sound when it's unexpected — such as when a person is asleep — can trigger the stress response.

Kopecky said there are several ways that response can lead to damage: The rush of hormones causes the arteries to constrict, which can damage the lining of the arteries and lead to heart disease. It can also raise blood pressure or make the blood more likely to clot, which is a problem with heart attacks.

Featured Article

Why Car Horns, Planes and Sirens Might Be Bad for Your Health

By Lindsey Bever

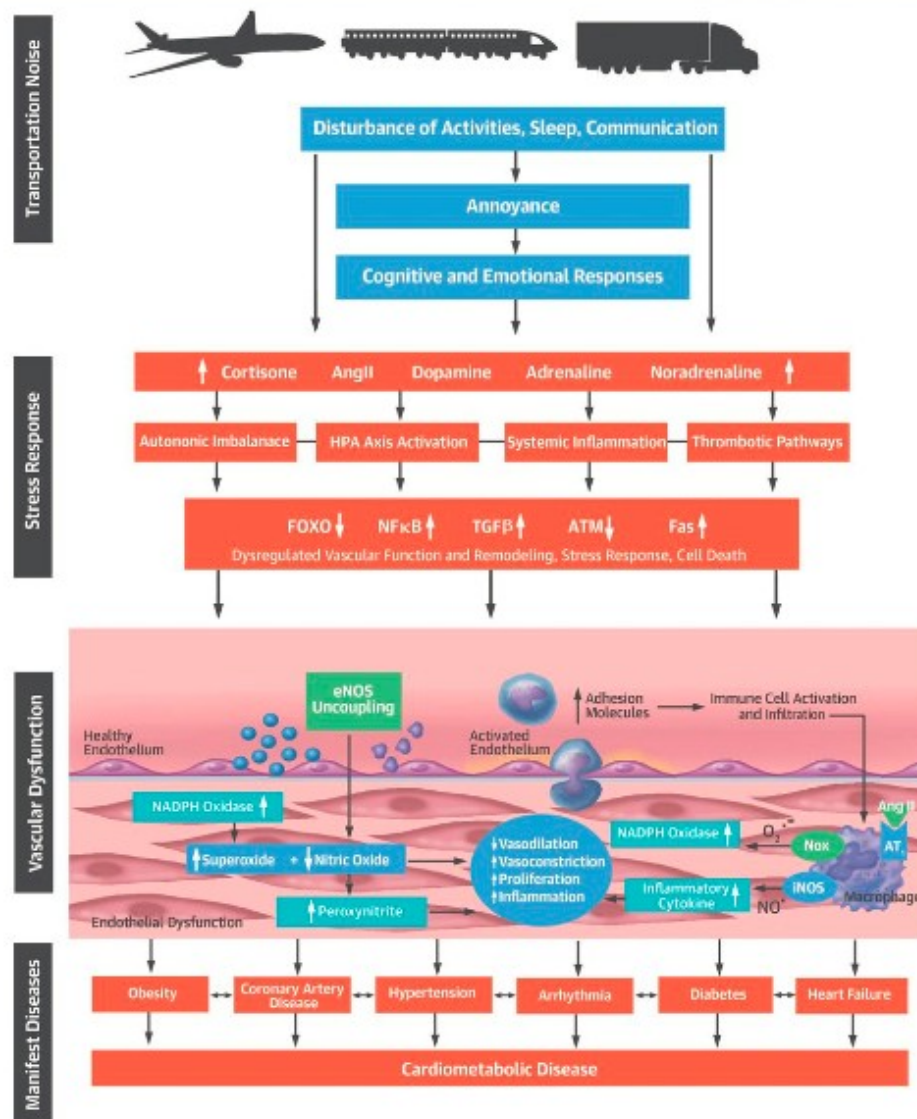
Original article from *The Washington Post*

But regardless of where a person lives, Kopecky said, there are things that can be done, especially when it comes to sleep, such as using a white noise machine to help drown out unwanted sounds.

Münzel is calling on lawmakers to change policies.

“Noise can be considered a cardiovascular risk factor,” he said. “Importantly, this is a risk factor that cannot be managed by patients or by doctors; it just can be managed by politicians by making laws with low thresholds for decibel levels during the day and during the night to protect the people living very close to noise sources.”

CENTRAL ILLUSTRATION: Proposed Pathophysiological Mechanisms of Noise-Induced Cardiometabolic Disease



Münzel, T. et al. *J Am Coll Cardiol.* 2018;71(6):688-97.

Past Events & Activities

Training Workshop

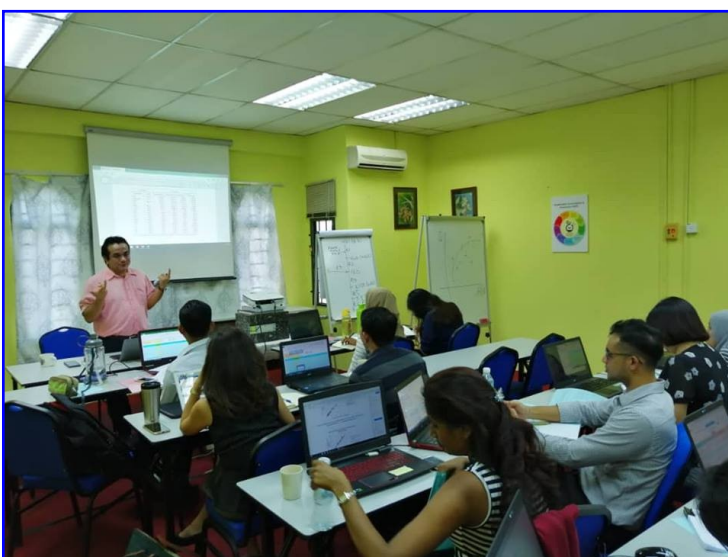
Environmental Noise Measurement (18th Dec 2018)

QUAL2K River Water Quality Modelling (27th - 28th Feb 2019)

We are glad to have full house training workshops, imparting knowledge and experience, benefiting the participants' work. Here's how the trainings were conducted.



Mr Steven Chan from Active Acoustic Engineering & Mr Tan Poh Aun from Sox Nox Asia conducted the Environmental Noise Measurement Workshop that includes proper use of Sound Level Meter in noise assessment. A sincere thanks to Active Acoustic Engineering team for the training & equipment demonstration.



Dr Ir Zaki Zainuddin conducted the training of water quality modelling, shared his experience in application of QUAL2K to assess water quality and pollution load.

Past Events & Activities

Environmental Noise Measurement Training Workshop

18th December 2018

~Testimonial~

I really enjoyed the structure of the workshop which integrates both theory and practical. It covers the fundamentals of basic noise theory and measurement of noise by sound level meter. The training was informative and very interactive. Some project experiences were also shared by the trainer to give us insights on the application of knowledge.

The sharing session by 'Active Acoustic Engineering' was really an eye opener for us all too. We were exposed to different types of noise measurement equipment which are available in the market. Mr. Tan Poh Aun was very engaging as a trainer, responding to the participants questions and maintained the participants attention.

It was a well delivered workshop and well received by the group. There was also a good balance between theory and practice while the concepts were clearly and professionally explained. I would definitely recommend this training to practitioners.

Thank you for delivering a fantastic workshop!

Anisa binti Mohd Azhar

Consultant

ERE Consulting Group Sdn Bhd

ENSEARCH is on WHATSAPP & be on OUR MAILING LIST!

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ENSEARCH Mobile Number: +6016 278 0191

Not our member? Don't worry. You could still be on our mailing list. Please fill in this e-form:

<https://goo.gl/bvtTF7>

Past Events & Activities

QUAL2K River Water Quality Modelling

27th & 28th February 2019

~Testimonial~

The QUAL2K training that was organised by ENSEARCH recently and conducted by the highly esteemed expert on this subject matter Dr. Zaki Zainudin, was excellent. As an EIA consultant, it is my responsibility to have in depth knowledge and understanding of water quality issues and methods of assessment and predictions. The contents of the training provided me with the right tools for proper scientific assessment and prediction of water pollution.

The industry knowledge of Dr. Zaki, together with his expertise in the subject gave me and those who attended a hands on experience in using the scientific modeling software for better assessment of environmental pollution in terms of water quality.

We gained much during the training especially in understanding how the software predicts pollution loads as well as the various interactions of pollutants in water through the water chemistry knowledge which he shared with us.

The kind of training and knowledge which Dr. Zaki provided us with in this training is very specialized and we will not be able to obtain it anywhere else as it is his intellectual property. I am very glad to have attended this training to improve my ability to provide a better prediction in terms of water quality assessment in my reports.

I would like to thank ENSEARCH for organising this training and to Dr. Zaki for sharing with us his expertise in the subject and enabling us to write better water quality assessment reports and protect the environment through more accurate assessments.

Savitri Ramiah

Senior Environmental Consultant

Golden Ecosystem Sdn Bhd



Back by Popular Demand!



Environmental Drones – Beginner's and Intermediate Level

25th & 26th of June 2019 - **EiMAS approved 12CPD Points ****



Air Pollution Assessment Level 1

30th & 31st of July - **EiMAS CPD application is under-way****

Level 2 - UPCOMING

∞ Please make your way to www.ensearch.org for the latest updates! ∞

Past Events & Activities

Prime Minister's Hibiscus Award

16th April 2019

The 13th Cycle of the Prime Minister's Hibiscus Award, is now open for registration. The new Cycle of 2019/2020 was launched on 16th April 2019 by the Deputy Minister of Energy, Science, Technology, Environment and Climate Change (MESTECC), Y.B. Puan Isnaraissah Munirah Majilis.

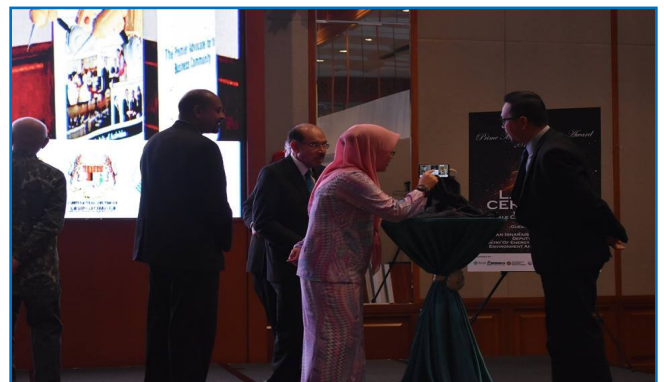
The Hibiscus Award, which was first launched in 1996, received recognition from the Government and 4th Prime Minister, YAB Tun Mahathir Mohamad in 1998 and henceforth known as Prime Minister's Hibiscus Award (PMHA). It aims to offer Business and industry public recognition opportunity for its environmental accomplishment.



VIPs at the PMHA Award

"I am extremely pleased to see that PMHA is once again the focal point, not just for environmental performance excellence, but also serves to assist companies to meet increasingly stringent environmental requirements and global environmental challenges." said YB Puan Isnaraissah in her speech.

She urged Industry Players in the Country to showcase their commitment in sustainable practices to gain more credibility, recognition and business opportunities by participating in the Award. The 2019/2020 Award cycle is open for registration until **30th August 2019**.



Y.B. Puan Isnaraissah Munirah Majilis launching the 13th cycle of the Prime Minister's Hibiscus Award.

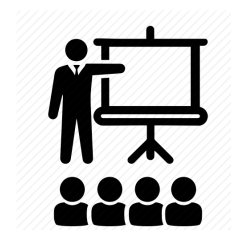


PMHA
PRIME MINISTER'S
HIBISCUS AWARD

ENSEARCH Training & Activities Calendar 2019

COMING SOON

Environmental Droners
-Beginners & Intermediate
(25th & 26th June) (EiMAS 12 CPD confirmed)



Air Pollution Assessment Level 1
(30th & 31st July)



International Conference & Exhibition on
Wastes Management (ICEWM2019)
(24th - 26th Sept)



Seminar or Forum
(Nov or Dec)



Quantitative Risk Assessment (QRA)
Training (26th November)



Air Pollution Assessment Level 2
(Dec)



ENSEARCH Trainings are **HRDF Claimable & EiMAS CPD Points**
Applicable. For more information: Please visit www.ensearch.org or
drop us an email at spo@ensearch.org.

Featured Event

The Environmental Law Talk &

ENSEARCH 35th Annual General Meeting 2019/2020

The Agenda for the AGM

1. Opening Address by the President of ENSEARCH 2017/2018
2. Confirmation of the Minutes of the 34th Annual General Meeting held on 7th May 2018 (Thursday).
3. Matters Arising
4. Tabling of the Annual Report, Balance Sheet and Statement of Accounts for the financial year 2018.
5. Acceptance of the Annual Report, Balance Sheet and Statement of Accounts for the financial year 2018.
6. Election of Council Members
7. Appointment of two Honorary Auditors / Professional Auditors
8. Debate and decision on any resolution, duly submitted and received by the Hon. Secretary General at least two weeks before the Meeting.
Resolution : To add "The President's term of office shall be restricted to two consecutive terms only. Consequently the Presidents shall be co-opted into the Council for one term as the Immediate Past President." in the Constitution of ENSEARCH.
9. Any Other Business

**FREE
ADMISSION!!**



You are invited to

Talk on "Environmental Law & Current Legislation in Malaysia"

(by Mr. Hon Kai Ping, Deputy Co-Chairperson of
The Bar Council Environment and Climate Change Committee)

&

35th Annual General Meeting 2019/2020

Date : 16th May 2019, Thursday

Time : 1.30pm

Venue : Ensearch Office, Petaling Jaya

**Kindly RSVP before 10th MAY 2019 via email to
admin@ensearch.org**

Please register at www.ensearch.org !

Should you require any assistance, please contact Ms. Vishal at admin@ensearch.org or call us at 03-61569807. Visit www.ensearch.org for more details.

Featured Event

The International Conference & Exhibition on Waste Management (ICEWM 2019)

MEMBERS & ASSOCIATES
EXCLUSIVE OFFER
*LIMITED TIME ONLY
*UP TO

20%

ENSEARCH
For a Better Environment
presents **#ICEWM2019**

**INTERNATIONAL
CONFERENCE & EXHIBITION
ON WASTES
MANAGEMENT**

MUNICIPAL
LITTER & HAZARDOUS
WASTE MANAGEMENT

Effective solutions
for a greener future

PARTNERS & COLLABORATORS

SELANGOR STATE GOVERNMENT
KEDAHAN TERANG BUKU TERANGKAL
ALAM SENTER DAY PUSKASAMA SEBANG
WORLD BIOGAS ASSOCIATION
MALAYSIA BUSINESS CHAMBER VIETNAM
SWCorp MALAYSIA

DATE :24TH-26TH SEPTEMBER, 2019
TIME : 0900 - 1700
VENUE :SHAH ALAM CONVENTION CENTRE (SACC)

FUTURE EVENTS

INTERNATIONAL CONFERENCE & EXHIBITION 2020
EMISSIONS MANAGEMENT

INTERNATIONAL CONFERENCE & EXHIBITION 2021
WATER MANAGEMENT

HRDF/CPD CLAIMABLE

FOR MORE INFO, WWW.ENSEARCHEVENTS.ORG
EARLY BIRD DISCOUNT FOR MEMBERS/ ASSOC. REGISTRATION
VALID TILL **30TH JUNE 2019**

ENSEARCH, in collaboration with World Biogas Association (WBA), Cenergi SEA Sdn Bhd as the Lead Partner, will organise the International Conference & Exhibition on Wastes Management (ICEWM2019) in Partnership with Yhe Selangor State Government and endorsed by Ministries of Energy, Science and Technology, Environment and Climate Change.

The International Conference and Exhibition is expected to bring together Business Leaders, Regulators, Researchers, Policy Makers, Academia, and Practitioners, aimed to aspire sustainability and specifically environmental initiatives as well as synergise more impactful actions to maximize the potential of waste management in circular economy.

300 or more Local, Regional and International Delegates are expected to participate, network, showcase technologies and share scientific research. Exhibitors are keen to play a role, too.



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



ENSEARCH Seminar/Training Room for RENT

RM350.00 net per day

Approximately 800 square feet

Classroom seating - 25 pax

Theatre seating - 40 pax

Time: 0830 - 1700

INCLUDING

Projector Screen

Whiteboard & Marker

Flip Chart

Water dispenser

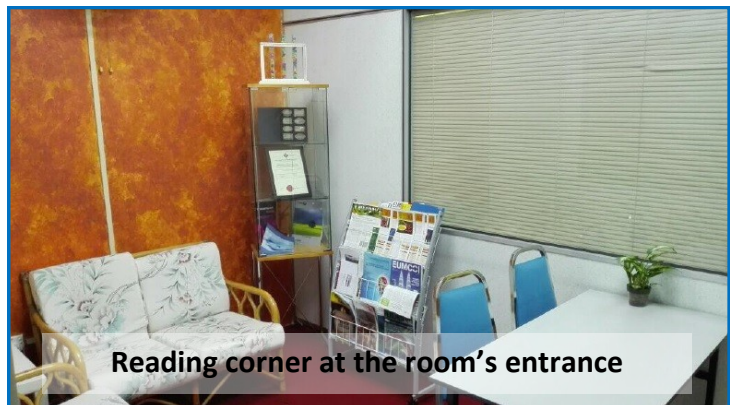
High Speed WIFI Internet

Tables & Chairs

Prayer Room



Spacious classroom or theatre setting



Reading corner at the room's entrance



**ENVIRONMENTAL MANAGEMENT & RESEARCH
ASSOCIATION OF MALAYSIA (70/84 WP)**

30-2 Jalan PJU 5/16, Kota Damansara,
47810 Petaling Jaya, Selangor Darul Ehsan.

Tel : 03-61569807 / 08 Fax : 03 - 61569803

Email : admin@ensearch.org

Website : www.ensearch.org

**10 MINUTES walk from
MRT Surian Station**

Interested? Please drop us an email at admin@ensearch.org or call us at 03-61569807.

ENSEARCH COUNCIL

2018-2019

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VICE PRESIDENT I	: Datuk Ir Othman Bin Abdul Rahim
VICE PRESIDENT II	: Puan Geetha P. Kumaran
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Puan Ruhaidah Md Hassan (Indah Water Konsortium Sdn. Bhd. Rep)
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ENSEARCH


SECRETARIAT 2018-2019

EXECUTIVE SECRETARY : Cik Vishal Singam
SENIOR PROJECTS OFFICER : Cik Sharon Woo
PROJECTS OFFICER : Encik Mohamad Amirul Asraf

**ENVIRONMENTAL MANAGEMENT & RESEARCH
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 ENSEARCH Resident



For a Better Environment