

GREEN TOUR TO BIO-ECOLOGICAL DRAINAGE SYSTEM (BIOECODS), REDAC, USM ENGINEERING CAMPUS

Photo: Universiti Sains Malaysia News Portal (news.usm.my)



**SATURDAY
15 NOVEMBER 2025**

TIME:
09.00 AM - 12.00 PM (MYT)

VENUE:

RIVER ENGINEERING & URBAN
RESEARCH CENTRE (REDAC), USM
ENGINEERING CAMPUS, NIBONG TEBAL

GOOGLE MAP LOCATION:

<https://maps.app.goo.gl/u2cequVrkgYPS6nA6>

REGISTRATION FEE

FREE ADMISSION
malaysiaGBC Members

RM53
Affiliated Members
(GBI Facilitator, ACEM, CIOB, FIABCI, FMM,
FMM-MCIG, IEM, IET, ILAM, ISI, MASHRAE,
MBAM, MIID, MTC, PAM, PPK, RISM, SHARED)

RM79.50
Non-Member / Public

RM26.50
Non-Member Student
(Undergraduate only)



**LIMITED TO 40 PAX
REGISTER HERE**

bit.ly/greentour-usm

Closing Date: 14 November 2025

CPD POINTS APPLIED:
GBI, LAM, BEM, MIP

PROGRAMME

- 08:45 am Participant's Arrival at River Engineering & Urban Drainage Research Center (REDAC), USM Engineering Campus
- 09:00 am Welcoming Speech
by Ir. Ooi Zi Xun,
Chairman, malaysiaGBC Northern Chapter
- 09:10 am **Presentation**
Bio-Ecological Drainage System (BIOECODS)
Solution for Stormwater Management in Malaysia
by Dr. Noor Aida Binti Saad,
Senior Lecturer, River Engineering & Urban Drainage
Research Center (REDAC), USM
- 09:30 am **Bio-Ecological Drainage System (BIOECODS)**
Green Tour
- 11:30 am Q&A Session
Concluding Remarks
Photo Session
- 12:00 pm End of Green Tour

Notes:

1. Limited to 40 pax participants only. First come first serve.
2. No show fees of RM100.00 is imposed.
3. Participants shall prepare own transport to all venues. Participants are encouraged to car pool to all venues.

ENQUIRIES

Please email to northern@mgbc.org.my for further inquiry.

OVERVIEW

Malaysia's high-intensity tropical rainfall and rapid urbanization call for innovative stormwater management solutions beyond conventional concrete drainage systems. To address this challenge, the River Engineering and Urban Drainage Research Centre (REDAC) of Universiti Sains Malaysia pioneered the Bio-Ecological Drainage System (BIOECODS) as a sustainable alternative.

This presentation highlights the development of BIOECODS at the USM Engineering Campus—the national pilot project under MSMA (2001)—and explores its core components and effectiveness in reducing peak runoff, improving water quality, and enhancing biodiversity. It will also showcase successful implementations across Malaysia, demonstrating BIOECODS as a scalable and practical solution for sustainable stormwater management.

SPEAKER



Dr. Noor Aida binti Saad

*Senior Lecturer, River Engineering & Urban Drainage Research Center (REDAC),
Universiti Sains Malaysia*

Dr. Noor Aida Saad is a dedicated and passionate Senior Lecturer at the River Engineering and Urban Drainage Research Centre (REDAC), Universiti Sains Malaysia, Engineering Campus. She exemplifies the qualities of a distinguished professional, expert, and researcher in the field of water and environmental engineering. Her experience spans clean water treatment, used water collection, river quality modelling, and flood management. Dr. Noor Aida has also contributed to international projects in the Philippines and the United Kingdom, where she applied her technical expertise in modelling and supported the delivery of engineering solutions and project outcomes.

Join us today, let's move towards sustainability together

