EXCLUSIVE 2 IN 1 TRAINING



Register for the Training and entitle a **FREE SEAT** at the **ASIAWATER 2024 Conference!**



23rd April 2024



Kuala Lumpur Convention Centre (KLCC)

Kuala Lumpur City Centre, 50088 Kuala Lumpur, Federal Territory of Kuala Lumpur



9.00 am - 5.00 pm



REGISTER HERE:







MOHD OMAR

WATER QUALITY ANALYSIS IN INDUSTRIAL EFFLUENT PERFORMANCE MONITORING

OVERVIEW: The wastewater treatment system comprehensively addressed, detailing the functions of its components and their interplay in achieving optimal performance,

whether chemical or biological. The theoretical aspects cover the significance of water quality parameters in supporting plant operation, while data interpretation and efficiency calculations are discussed for monitoring plant performance and troubleshooting any arising problems.

OBJECTIVE:

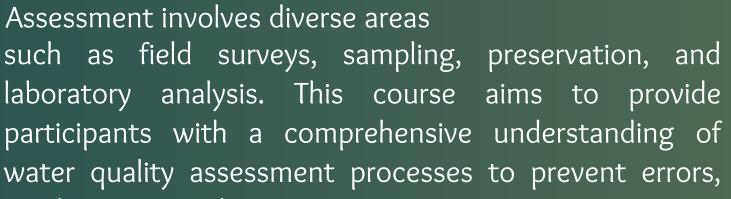
- 1. To gain a better understanding of the anatomy of the wastewater treatment plant and how it serves the system's performance.
- 2. To understand the theories and how the water quality affects the efficiency of the wastewater treatment system.

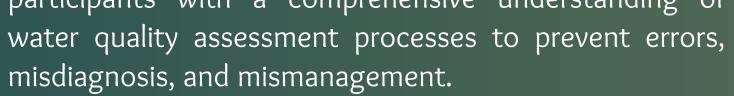
Click here to learn more about the Conference!



FUNDAMENTALS OF SURFACE WATER QUALITY ASSESSMENT

OVERVIEW: In light of rising river pollution and increasing pollution loads, water quality assessment is crucial for catchment planning. IR. DR. ZAKI ZAINUDIN Assessment involves diverse areas such as field surveys, sampling, preservation, and laboratory analysis. This course aims to provide







- 1.To discuss the fundamentals of water quality assessment including field survey, sampling, preservation, laboratory analysis, standards, and regulations.
- 2.To discuss uses of surface water quality modeling tools in water quality management.

TRAINING FEE WITH FREE CONFERENCE SEAT:

- Member = RM1000
- Non-Member = RM1400
- New Individual Membership + Training Fee = RM1250
- HRDC Claimable + Member = RM1200
- HRDC Claimable + Non-Member = RM1500

Environmental Management & Research Association of Malaysia (ENSEARCH) (Reg: 70/84 WP)

Lot 10-3, Petaling Utama Avenue, Jalan 1/50, Taman Petaling Utama, 46150 Petaling Jaya, Selangor Phone: 03-7770 9445 Website: www.ensearch.org | Email: potraining@ensearch.org



TRAINER'S PROFILE TS DR FATEHAH MOHD OMAR



TS. DR. FATEHAH MOHD OMAR IS AN EXPERT IN WATER AND WASTEWATER TREATMENT, TOGETHER WITH WATER MONITORING. SHE HOLDS A DOCTORAL DEGREE IN ENVIRONMENTAL SCIENCE FROM UNIVERSITY OF GENEVA, SWITZERLAND SINCE 2015. DR FATEHAH IS A VERY ACTIVE RESEARCHER. SHE HAS COMPLETED MORE THAN 20 RESEARCHES, PUBLISHED OVER 50 JOURNALS AND BOOK CHAPTERS. SOME OF THE RESEARCHES ARE, 'THE BEHAVIOUR OF NANOPARTICLE POLLUTANTS IN WATER AND WASTEWATER TREATMENT VIA APPLICATION OF ZETA POTENTIAL AND HYDRODYNAMIC DIAMETER TECHNIQUE STUDY,' THE DISPERSION AND POLLUTANT BEHAVIOR IN RIVER BASINS USING TOTAL MAXIMUM DAILY LOAD (TMDL) APPROACH AND QUAL2K MODELLING, AND MANY MORE.

TENTATIVE PROGRAMME

08.30 - 09.00 REGISTRATION

09.00 - 09.30 WASTEWATER TREATMENT SYSTEM AND ITS FUNCTIONING COMPONENTS

10.00 - 10.30 COFFEE BREAK

10.30 - 11.30 WATER QUALITY PARAMETERS IN THE WASTEWATER TREATMENT PLANT

11.30 - 01.00 DATA INTERPRETATION AND CALCULATIONS, ARISING PROBLEMS AND

TROUBLESHOOTING OPTIONS

01.00 - 02.00 LUNCH

TRAINER'S PROFILE IR. DR. ZAKI ZAINUDIN



DR. ZAKI ZAINUDIN IS A RENOWNED ENVIRONMENTAL IN THE AREA OF WATER QUALITY ASSESSMENT AND MODELING, HAVING LED AND PLAYED KEY ROLES IN HUNDREDS OF ENVIRONMENTAL STUDIES FOR BOTH PRIVATE AND GOVERNMENT SECTORS. HE IS A PROFESSIONAL ENGINEER WITH THE BOARD OF ENGINEERS MALAYSIA (BEM), CHARTERED ENGINEER (CENG) WITH THE ENGINEERING COUNCIL, UK AND CHARTERED ENVIRONMENTALIST. (CENV) WITH THE SOCIETY FOR THE ENVIRONMENT (SOCENV, UK). HE IS OFTEN A SOURCE OF REFERENCE FOR VARIOUS ORGANIZATIONS ON SURFACE WATER QUALITY MANAGEMENT; SUCH AS BEING AN EXPERT PANELIST FOR THE DEPARTMENT OF ENVIRONMENT MALAYSIA (DOE, EIA, WATER AND MARINE UNITS) AND IS ADVISOR TO MANY PROMINENT ENVIRONMENTAL AND ENGINEERING FIRMS. HE HAS CONDUCTED VARIOUS WORKSHOPS AND TALKS ON WATER QUALITY AND MODELING AT BOTH LOCAL AND INTERNATIONAL VENUES. ZAKI IS ALSO ON THE MANAGEMENT COMMITTEE OF THE INTERNATIONAL WATER ASSOCIATION (IWA), WATERSHED AND RIVER BASIN MANAGEMENT (W&RBM) SPECIALIST GROUP.

TENTATIVE PROGRAMME

REGISTRATION 01.45 - 02.00

THE BASICS OF WATER QUALITY ASSESSMENT; PARAMETERS, STANDARDS, REGULATIONS, 02.00 - 03.30 TOOLS, EQUIPMENT, MONITORING.

03.30 - 03.45 COFFEE BREAK

03.45 - 05.00 USE OF WATER QUALITY MODELS IN ASSESSMENT AND DECISION MAKING.

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