

# IZIHAN BIN IBRAHIM



- KULLIYAH OF ENGINEERING
- IIUM Gombak Campus
- Email address:  
[izihan@iium.edu.my](mailto:izihan@iium.edu.my)

## المؤهل العلمي

- Engineering Hydrology
- Civil Engineering

## مسؤوليات التدريس

CIVIL ENGINEERING LAB I	2016/2017 2017/2018
CIVIL ENGINEERING LAB II	2016/2017 2018/2019 2019/2020
CIVIL ENGINEERING LAB III	2017/2018
DESIGN LAB-STRUCTURAL ENGINEERING	2018/2019
DYNAMICS	2016/2017
FLUID MECHANICS	2016/2017 2017/2018
HYDRAULIC STRUCTURES	2019/2020
HYDRAULICS	2016/2017 2017/2018 2018/2019 2019/2020
SEMINAR	2020/2021
VALUES, TECHNOLOGY AND SOCIETY	2020/2021
VALUES, TECHNOLOGY AND SOCIETY (RESEARCH MODE)	2020/2021

## المشاريع البحثية

### In Progress

- 2020 - Present** Preparation of Emergency Action Action Plan (EAP) for Repas Lama, Repas Baru and Perting Dams, Bentong Pahang
- 2019 - Present** Flow Distribution in Divided Open Channels of Variable Widths
- 2019 - Present** Formulation of empirical equation for quick riverbank erosion prediction

- 2019 - Present** Perkhidmatan penumpulan data dan analisis data hidrologi serta pembangunan my river basin (NAHRIM) Integrated Numerical Modelling) untuk Pusat Kajian Lembanangan Sungai, Institut Penyelidikan Hidraulik Kebangsaan Malaysia (NAHRIM)
- 2019 - Present** Sedimentation and Total Maximum Daily Load (TMDL) Analysis of Sungai Pusu, IIUM Gombak Campus
- 2018 - Present** RIVER MEANDER MIGRATION PREDICTION: EVALUATION OF EXISTING TECHNIQUES AND ESTABLISHMENT OF NEW EMPIRICAL MODEL
- 2017 - Present** Water Resources Yield & Dam Release Optimization Study for Sungai Perak Basin
- 2017 - Present** Perkhidmatan Perunding bagi Penyediaan Pelan Pengurusan Lembangan Sungai Bersepadu (IRBM), Sg. Padas, Sabah
- 2016 - Present** Kajian Kemungkinan Bagi Pembangunan Sumber Air Lembangan Sg. Muar, Johor
- 2016 - Present** Rekabentuk Terperinci Rancangan Tebatan Bandar Merlimau, Melaka
- Unknown - Present** Sedimentation and Total Maximum Daily Load (TMDL) Analysis of Sungai Pusu, IIUM Gombak Campus
- Unknown - Present** EMPOWERING THE ORANG ASLI COMMUNITY AT KG SG. DUA OLAK VIA HANDS-ON TRAINING WITH KNOWLEDGE AND SKILLS ON RIVER RESTORATION AND CONSERVATION PRACTICES
- Completed**
- 2017 - -1** Perkhidmatan Mengumpul, Menyedia dan Membekal Data-Data Hidrologi, Hidraulik, Endapan, Kekukuhan Tanah dan Geometri Sungai serta Penyediaan Laporan dan Dokumen yang Berkaitan untuk Kajian Permodelan ke atas Masalah Hakisan Kerukan (Scouring) di Kuching Barrage di Sungai Sarawak

## المنشورات

### Article

#### Conference or Workshop Item

2020 [Flow structures in dividing open channels: a review.](#) In: "3rd International Conference of Water Resources Development and Environmental Protection, ICWRDEP 2019"

2020 [Post COVID-19 river quality: challenges ahead!.](#) In: IIUM River of Life Flagship Project

### Book

#### Book Section