

MD NOOR BIN SALLEH



- KULLIYAH OF ENGINEERING
- IIUM Gombak Campus
- Email address: mdnoor@iium.edu.my

المؤهل العلمي

- Ph.D in Civil Engineering
- Master of Science in Hydraulics, Hydrology & Coastal Dynamics
- Bachelor of Science Civil Engineering

مسؤوليات التدريس

CIVIL ENGINEERING LAB III	2018/2019 2019/2020 2020/2021
ENVIRONMENTAL ENGINEERING	2010/2011 2011/2012
SOLID WASTE ENGINEERING	2018/2019 2019/2020
SOLID WASTE ENGINEERING	2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020 2020/2021
WASTE MANAGEMENT ENGINEERING	2012/2013
WATER RESOURCES AND HYDROLOGY	2016/2017 2017/2018 2018/2019 2019/2020 2020/2021
WATER TREATMENT PLANT DESIGN	2019/2020

المشاريع البحثية

In Progress

2019 - Present	Development of an improved method for quick estimation of storm runoff peak flow
2019 - Present	Flow Distribution in Divided Open Channels of Variable Widths
2019 - Present	Formulation of empirical equation for quick riverbank erosion prediction
2018 - Present	Fundamental Investigation on Non-structural Approach for Sustainable Flood Disaster Management in Malaysia
2016 - Present	Rekabentuk Terperinci Rancangan Tebatan Bandar Merlimau, Melaka

2015 - Present	Upgrading Biomethaneas Low Carbon Fuel for Motorbike
2014 - Present	Pembangunan Pelaksanaan Indeks Syariah Dalam Pentadbiran Negara
2014 - Present	An Investigation on Climatic Change and Associated Anthropological Influence in Solar Powered Irrigation System
Completed	
2015 - 2017	Upgrading Biomethaneas Low Carbon Fuel for Motorbike
2015 - 2015	THE DETAIL DESIGN OF RIVER IMPROVEMENT WORKS AND DETENTION POND FOR THE PROPOSED PROJEK PEMBANGUNAN PUSAT KECEMERLANGAN LEMBAGA GETAH MALAYSIA
2015 - -1	Feasibility Study for Proposed Water Treatment Plant in Labohan Dagang, Daerah Kuala Langat ,Selangor Darul Ehsan.
2014 - 2017	Pilot Study on the River Rehabilitation of Sg. Pusu
2014 - 2018	An Investigation on Climatic Change and Associated Anthropological Influence in Solar Powered Irrigation System
2013 - 2017	Development of Green Transportation System
2012 - 2014	Penyediaan Data-Data Hujan dari Stesen Manual (Daily Data) kepada Hujan dengan Interval Hourly untuk Tujuan Rekabentuk Projek Tebatan Banjir
2012 - 2016	Development of National Event Mean Concentration (EMC) of Storm Runoff Quality Database for the Non-Point Source Pollution Control from Highways in Malaysia
2011 - 2014	RU 2011: Pilot Scale Production of Lipase and Characterization using Palm Oil Mill Effluent (POME) as a Basal Medium

المنشورات

Article

- 2018** [Estimation of short-duration rainfall intensity from daily rainfall values in Klang Valley, Malaysia.](#) Applied Water Science , 8 (7) pp.1-10
- 2018** [Determining ammonia nitrogen decay rate of Malaysian river water in a laboratory flume.](#) International Journal of Environmental Science and Technology (IJEST) , 15 (6) pp.1249-1256
- 2018** [A modified laboratory approach to determine reaeration rate for river water.](#) Arabian Journal for Science and Engineering , 43 (4) pp.2037-2051
- 2018** [Experimenting biochemical oxygen demand decay rates of Malaysian river water in a laboratory flume.](#) Environmental Engineering Research , 23 (1) pp.99-106

- 2018** [A probabilistic manifestation for the assessment of structural behaviour and understanding professional ethics: A multi- dimensional approach..](#) Journal of Quantity Surveyor and Construction Business
- 2018** [A parametric approach for the study of heat flow between street canyon and the atmosphere.](#) Planning Malaysia: Journal of the Malaysian Institute of Planners , 16 (2) pp.50-61
- 2017** [Optimization of flocculation process by microbial coagulant for removal of turbidity in river water.](#) IIUM Engineering Journal , 18 (2) pp.63-70
- 2017** [A brief account of river rehabilitation experiences.](#) IIUM Engineering Journal , 18 (1) pp.27-41
- 2017** [Challenges in the rehabilitation of the Pusu River.](#) International Journal of Conservation Science , 8 (1) pp.121-130
- 2017** [Temporal water quality response in an urban river: a case study in peninsular Malaysia.](#) Applied Water Science , 7 (2) pp.923-933
- 2017** [Thermostable and organic solvent tolerant lipase producing fungi in solid state bioconversion of palm kernel cake.](#) Asia Pacific Journal of Molecular Biology and Biotechnology , 25 (1) pp.98-105
- 2017** [Optimization of thermostable organic solvent-tolerant lipase production by thermotolerant Rhizopus sp. using solid-state fermentation of palm kernel cake.](#) 3 Biotech , 7 (5) pp.1-11
- 2017** [CFD investigation of indoor hygrothermal performance in academic research storage room: Measurement and validation.](#) ARPN Journal of Engineering and Applied Sciences , 12 (10) pp.3130-3136
- 2016** [Impact of improper land use changes on flash flood and river system: a case of Sg Pusu.](#) ARPN Journal of Engineering and Applied Sciences , 11 (8) pp.5372-5379
- 2016** [Adapt engineering theory in universal design for developing countries: a literature review.](#) Journal of Universal Design in the Built Environment (JUDBE) , 2 (2) pp.61-72
- 2016** [Impediments to river rehabilitation.](#) Environmental Quality Management , 26 (2) pp.5-21
- 2016** [Students perceptions on infusion of Islamic perspectives in the teaching of engineering subjects: IIUM case study.](#) Journal of Education and Vocational Research (JESOC) , 4 pp.1-7
- 2015** [Upgrading of small sewage treatment plants for ammonia removal - case of a university campus.](#) ARPN Journal of Engineering and Applied Sciences , 10 (23) pp.17391-17396
- 2014** [Tapping into student's passion, curiosity, engagement and dreams: engineering educator's task.](#) Science International Lahore , 26 (5) pp.2569-2575
- 2014** [Immobilization of lipase enzyme by low cost material: a statistical approach .](#) International Journal of Biological, Veterinary, Agricultural and Food Engineering , 8 (6) pp.522-525

- 2014 [Pilot-scale production of lipase using palm oil mill effluent as a basal medium and its immobilization by selected materials.](#) Journal of Oleo Science , 63 (8) pp.779-785
- 2014 [Pollution load management to improve water quality of Sungai Pusu .](#) Advances in Environmental Biology , 8 (3) pp.549-552
- 2014 [Characterization of storm runoff quality from a highway in Selangor and conceptual design of constructed Wetland.](#) Advances in Environmental Biology , 8 (3 (spec.)) pp.810-814
- 2011 [Potable water quality characteristics.](#) Jurutera pp.21-27

Conference or Workshop Item

- 2018 [Media optimization for the production of thermostable and organic solvent tolerant lipase by solid state fermentation from palm kernel cake.](#) In: **5th International Conference on Biotechnology Engineering 2018**
- 2018 [Screening of boron adsorption potential of various date seed preparation methods.](#) In: **5th International Conference on Biotechnology Engineering (ICBioE 2018)**
- 2017 [Assess a method for the parametrization of urban quality of life.](#) In: **3 rd ABRA International Conference on Quality of Life**
- 2017 [Upgrading biomethane for low carbon fuel.](#) In: **"4th NATIONAL CONFERENCE ON KNOWLEDGE TRANSFER (NCKT'17)" "Knowledge Translation for National Transformation"**
- 2017 [Potential strains of thermophilic and organic solvent tolerant bacteria for lipase production using basal medium of palm kernel cake.](#) In: **International Conference on Environmental Research and Technology (ICERT 2017)**
- 2016 [Optimization of flocculation process by microbial coagulant in river water.](#) In: **4th International Conference on Biotechnology Engineering 2016 (ICBioE 2016)**
- 2016 [Screening of thermostable and organic solvent tolerant lipase producing fungi in solid state bioconversion of palm kernel cake.](#) In: **4th International Conference on Biotechnology Engineering 2016 (ICBioE 2016)**
- 2016 [Application of pond to improve river water quality.](#) In: **4th International Conference on Biotechnology Engineering 2016 (ICBioE 2016)**
- 2016 [Isolation and detection of biosurfactant producing bacteria from Palm Kernal Cake \(PKC\).](#) In: **4th International Conference on Biotechnology Engineering 2016 (ICBioE 2016)**
- 2016 [Quantification of pollution loads for the rehabilitation of Pusu River.](#) In: **International Conference on Engineering Technology (ICET 2016)**
- 2016 [Effect of sand mining on water quality index of Sg.Pusu.](#) In: **4th International Conference on Innovations in Chemical, Agricultural and Environmental Engineering (ICICAE'2016)**
- 2016 [Towards a disable-friendly, energy-efficient and sustainable green campus.](#) In: **EAU International Conference on Green Asia and Inclusive Sustainable Development 2016**

- 2015 [CFD investigation of indoor hygrothermal performance in academic research storage room: measurement and validation.](#) In: **International Conference on Computational Fluid Dynamics in Research and Industry 2015**
- 2015 [Investigating the performance of sewage treatment plants of IIUM Gombak campus.](#) In: **The International Postgraduate Conference on Engineering Research (IPCER) 2015**
- 2015 [Ventilation performance assessment of an educational building in a hot and humid climate.](#) In: **International Civil and Infrastructure Engineering Conference 2014**
- 2014 [Challenges in non-point source pollution — Sampling and testing.](#) In: **5th Brunei International Conference on Engineering and Technology 2014 (BICET 2014)**
- 2014 [Adsorption of chlorine from drinking water by granular activated carbon.](#) In: **5th International Chemistry Conference**
- 2014 [Influence of indoor microclimate distribution on mould infestation in a university library.](#) In: **International Civil and Infrastructure Engineering Conference (InCIEC2014)**
- 2014 [Immobilization of lipase enzyme by low cost material: a statistical approach .](#) In: **International Science Conference**
- 2013 [Initial assessment of runoff quality from a road and highway in Klang Valley.](#) In: **3rd International Conference on Biotechnology Engineering (ICBioE'13)**
- 2013 [Proposal of a probabilistic reproduction for multi- dimensional assessment of structural behavior and understanding professional ethics: a green technology approach.](#) In: **International Conference on Architecture & Built Environment (ICABE2013)**
- 2013 [Heavy metal contents in highway runoff in Malaysia.](#) In: **4th Global Engineering, Science and Technology Conference**
- 2013 [Heavy metal contents in highway runoff in Malaysia.](#) In: **4th Global Engineering, Science and Technology Conference 2013**
- 2013 [Pilot scale production of lipase using palm oil mill effluent as basal medium.](#) In: **International Conference on Biotechnology Engineering (ICBioE 2013)**
- 2013 [Pollution load management to improve water quality of Sg. Pusu.](#) In: **3rd International Conference on Biotechnology Engineering 2013 (ICBioE '13)**
- 2013 [Relationship between short duration and daily rainfall data in Kuala Lumpur.](#) In: **Persidangan Kebangsaan Geografi & Alam Sekitar kali ke 4**

**Book
Book Section**