



PhD Supervisor



UTM
UNIVERSITI TEKNOLOGI MALAYSIA



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Potential areas for PhD supervision:

- Coastal
- Sediment Transport
- Beach Morphology
- River Hydrodynamics

Supervising experience:

- 15 PhD students
- 32 MSc students

Employment history in last 5 years:

2011 – Current Senior Lecturer in School of Civil Engineering, Universiti Teknologi Malaysia

Membership of professional association:

- ~ Professional Engineer of Board of Engineer Malaysia (BEM) – (P. Eng: PE 20207)
- ~ Professional Technologist, of Malaysia Board of Technologist (MBOT) – (P. Tech: PT18040035)
- ~ Chartered Engineer of Engineering Council, UK (CEng: 647890)
- ~ Chartered Marine Engineer of Institute of Marine Engineering, Science and Technology, UK (CMarEng, MIMaEST: 8027748)
- ~ Certified Professional in Erosion and Sediment Control (CPESC: 8674)
- ~ Malaysia Stormwater Organisation (MSO: AB0458)
- ~ Society of Engineering Education Malaysia (SEEM: P0141)

Education – since bachelor degree:

- ~ PhD in Coastal Engineering, 2011, University of Plymouth, UK
- ~ M. Eng. Civil, Hydraulics and Hydrology, 2004, Universiti Teknologi Malaysia.
- ~ B. Eng (Hons), 2002, Civil Engineering, Universiti Teknologi Malaysia.

Selected recent papers:

1. Abd Wahab, A. K., Othman, I. K., **Jamal, M. H.**, Desa, S. M., Lee., H. L and Noh, M. N. M. (2021). Wave Runup and Overtopping on Smooth-Slope NEXC Block. IOP Conference Series: Earth Environmental Science. 880 (1). 012013.



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2. Tam, T. H., Rahman, M. Z. A., Harun, S., Try, S., Shahid, S., **Jamal, M. H.**, Ismail, Z., Razak, K. A., Ghani, M. K. and Abd Wahab, A. K. (2021). Flood hazard Assessment Under Climate Change Scenarios in Kelantan River Basin, Malaysia. Research Square. Pp:1-20.
3. Nuhu, H., Hashim, S., Saleh, M. A., Sanusi, M. M. S., Alomari, A., H., **Jamal, M. H.**, Abdullah, R. A. and Hassan, S. A. (2021). Soil Gas Radon and Soil Permeability Assessment: Mapping Radon Risk Areas in Perak State, Malaysia. Journal PloS One. 16(7).
4. Ahmad, F. H. M., **Jamal, M. H.**, Sam, A. R. M. and Haron, N. F. (2021). Eco-Composite Porous Concrete Drainage Systems: An Alternative Mitigation for Urban Flood Management. Proceeding of the International Conference on Civil, Offshore and Environmental Engineering. Pp: 195-201.
5. Hassan, H. J., Hashim, S., Sanusi, M. S. M., **Jamal, M. H.**, Hassan, S. A., Bradley, D. A., Tenorio, R. G. and Tahar, M. R. (2021). The Naturally Occurring Radioactivity of 'Scalar Energy' Pendants and Concomitant Radiation Risk. Journal PloS One. 16(6).
6. Abd Rashid, M. F., Ibrahim, Z., Jumain, M., Sa'ari, R., Alias, N., **Jamal, M. H.** and Abu Bakar, A. (2021). Non-Flooding and Flooding Characteristics of Natural Straight River. IOP Conference Series: Materials Science and Engineering. 1144(1), 012050.
7. Ahamd, F. H. M., **Jamal, M. H.**, Sam, A. R. M., and Nuryazmeen, F. H. (2021). Effective Microorganisms Composite Scupper Drain (EM-CSD) as a New Revolution in Drainage System: A Preliminary Study. IOP Conference Series: Materials Science and Engineering. 1144 (1), 012051.
8. Annammala, K. V., Mohamad, N. A., Sugumaran, D., Masilamani, L. S., Liang, Y. Q., **Jamal, M. H.**, Yusop, Z., Yusoff, A. R. M. and Nainar., A. (2021). Sediment Clues in Flood Mitigation: The Key to Determining the Origin, Transport, and Degree of Heavy Metal Contamination. Journal Hydrology Research. 52 (1). Pp: 91-106.
9. Rashidi, M. A. H., **Jamal, M. H.**, Hassan, M. Z., Sendek, M. S. S., Sopie, M. S. L and Abd Hamid, M. R. (2021). Coastal Structures as Beach Erosion Control and Sea Level Rise Adaption in Malaysia: A Review. Source Water. 13 (13), 1741
10. Jumain, M., Ibrahim, Z., Ismail, Z., **Jamal, M. H.**, Rashid, M. F. A., Salleh, M. Z. M., Shariff, M. E. M. and Zulkifli, N. S. (2021). Hydraulic and Morphological Patterns in a Riparian Vegetated Sandy Compound Straight Channel. IOP Conference Series: Earth and Environmental Science. 646 (1), 012036.

