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## Curriculum Vitae

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**Name:** Ir. Leong Wen Kam

**List of Research:**

**Internal Grant**

1. Study on Desludging Frequency on Septic Tanks at Residential and Commercial Area: A Sibu Case Study (UCTS-RESEARCH/4/2017/05) (Principal Researcher).
2. Behaviour of Voided Reinforced Concrete Beams under Flexural and Shear Loads (UCTS-RESEARCH/2/2018/02) (Co-Researcher).

**External Grant**

1. Characterization of the Durability of Northern Sarawak Against Weathering Based on Geochemistry, Mineralogy and Textural Properties (FRGS/1/2019/TK01/CURTIN/02/1), 2019 – 2021, Co-Researcher.
2. Performance of Peat Soil Incorporating Silica Waste as Stabilizer Agent (SRDC – UCTS, RDCRG/RIF/2019/10), 2020 – 2022, Co-Researcher.

**List of Consultancy:**

1. Drainage Planning for Mixed Development Based on Sarawak Stormwater Management (SUStoM) Guideline (M/S Midaland Properties Sdn. Bhd.) – Oct 2019

**List of Publications:**

1. Fianita Anthony, Vera Hui Loo, Kwong Soon Wong, Joel Ben-Awuah, Nagarajan Ramasamy, Wen Kam Leong 2022\*. Durability Assessment of The Cenozoic Shales in The Northern Sarawak, Malaysia. Proceedings of the 7th International Young Geotechnical Engineers Conference, 29<sup>th</sup> April – 1<sup>st</sup> May 2022, Sydney, Australia. (*\*Submitted & Under Review*)
2. Wen Kam Leong, Oscar How Hock Wong, Jen Hua Ling, How Teck Sia, Augustine Chioma Affam 2022\*. Environmental Performances of Underground Septic Tanks in Sibul, Sarawak. Borneo Journal of Sciences & Technology (BJoST). (*\*Submitted & Under Review*)
3. Wen Kam Leong, Alex Lung Keat Ngo, Alvin Chun Hsien Wong, Jen Hua Ling, How Teck Sia 2022\*. Desludging Frequencies for Septic Tanks in Residential: A Sibul Case Study. Journal of the Civil Engineering Forum (JCEF). (*\*Submitted & Under Review*).
4. Jen Hua Ling, Huong Hun Ting, Yong Tat Lim, Wen Kam Leong, How Teck Sia 2021. Suspended Road System on Peat: A Case Study in Sibul, Malaysia. Borneo Journal of Sciences & Technology (BJoST), 3(2), 1 – 10.
5. Jen Hua Ling, Yong Tat Lim, Wen Kam Leong, How Teck Sia 2021. Utilization of Oil Palm Empty Fruit Bunch in Cement Bricks, Journal of Advanced Civil and Environmental Engineering (JACEE), 4(1), 5 – 15.
6. Jen Hua Ling, Yong Tat Lim, Wen Kam Leong, How Teck Sia 2021. Effects of Adding Silica Fume and Empty Fruit Bunch to the Mix of Cement Brick, Indonesian Journal of Computing, Engineering, and Design (IJoCED), 3(1), 19 – 30.

7. J.H. Ling, H.S. Tang, W.K. Leong, H.T. Sia 2020. Behaviour of Reinforced Concrete Beams with Circular Transverse Openings under Static Loads, Journal of Science and Applied Engineering (JSAE), 3(1), 1–16.
8. Jen Hua Ling, Lin Li Chan, Wen Kam Leong, How Teck Sia 2020. The Development of Finite Element Model to Investigate the Structural Performance of Reinforced Concrete Hollow Beams, Journal of Civil Engineering Forum (JCEF), 6(2), 171 – 182.
9. Jen Hua Ling, Yong Tat Lim, Wen Kam Leong, Jusli Euniza, How Teck Sia 2019. Properties of Cement Brick with Partial Replacement of Sand and Cement with Oil Palm Empty Fruit Bunches and Silica Fume, Journal of Civil Engineering Forum, 5(3), 289 – 300.
10. Jen Hua Ling, Howe Sheng Tang, Wen Kam Leong, How Teck Sia 2019. Effects of Transverse Circular Opening in Reinforced Concrete Beam Subjected to Incremental Static Load, Borneo Journal of Sciences and Technology (BJoST), 1(2),39 – 44.
11. JenHua Ling, WenKam Leong, Euniza Jusli, HowTeck Sia 2018. Application of Silica Fume for Concrete and Brick: An Experimental Study, Proceeding of International Conference on Durability and Infrastructures, 217-220.
12. J.H.Ling, Y.F.Liew, W.K.Leong and H.T.Sia 2017. Modelling The Response of Tapered Head Sleeve Connection Under Tensile Load Using Finite Element Method, Asian Journal of Civil Engineering (BHRC), 18(5), 837-852.
13. K.K.Soh, W.K.Leong, L.Yeo, S.H.Chew, K.W.Leong and Z.W.He 2013. Deep Soil Mixing Columns As Retaining Structure, 18th Southeast Asian Geotechnical Conference (18SEAGC) cum Inaugural AGSSEA Conference (1AGSSEA), Singapore.