

CURRICULUM VITAE



A. PERSONAL DETAILS

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Scopus

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UⁱTM EXPERT

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ACADEMIC QUALIFICATION

Ph.D in Civil Engineering (2018)

Universiti Teknologi MARA (UiTM), Shah Alam

MEng. in Civil (Geotechnical) (2009)

Universiti Teknologi Malaysia (UTM), Malaysia

BEng. (Hons) Civil Engineering (2006)

Universiti Teknologi MARA (UiTM), Shah Alam

B. PROFESSIONAL MEMBERSHIP

1. Board of Engineers Malaysia (BEM)- Registered member (GE177388A)
2. Malaysia Board of Technologist (MBOT) – (GT21030989)
3. Malaysian Geotechnical Society (PPM-028-10-14032013)
4. Society for Engineering Geology and Rock Mechanic Malaysia (SEGRM1119)

C. PUBLICATIONS

1. Nor Adleen Mohd Latif, Fatin Najwa Mohd Nusa & Nurul Ainain Mohd Salim **(2024)**. Factors Affecting Motorcyclist Accidents for the Perspective of University Students. *Mitrans International Logistics and Transport Conference* (5th MILTC2023). <https://mitrans.uitm.edu.my/index.php/component/content/article/37-miltc2023/58-miltc2022-2?Itemid=101>
2. Norfaizah Hamzah, Nur' Ain Mat Yusof, Nurul Ainain Mohd Salim & Shah Aiman Iqbal Sahrol. **(2024)**. Utilizing Wave Propagation to Correlate P-Waves Velocity with Engineering Characteristics of Tropical Weathered Limestone in Batu Caves, Selangor. *Proceedings of the International Conference on Science Technology and Social Sciences – Physics, Material and Industrial Technology (ICONSTAS-PMIT 2023)*, 92-105, ISSN 2352-540, ISBN 978-94-6463-500-3, https://doi.org/10.2991/978-94-6463-500-3_9
3. Nurul Ainain Mohd Salim (2023). *Petrographic Analysis: Thin-Section Method for LCS* (Publication No. Pb/2023/009424). College of Engineering.
4. Nurul Ainain Mohd Salim (2023). *Petrographic Analysis: Thin-Section Method for Soiltechnics* (Publication No. Pb/2023/009447). College of Engineering.

5. Nurul Ainain Mohd Salim (2023). *Mohs Hardness Test Report for Soiltechnics* (Publication No. Pb/2023/009461). College of Engineering.
6. Lawal E.A and Salim, N.A.M. (2022). Numerical Analysis for Prediction of Optimum Deformation of Long Tunnel Crown Stability with Respect to Excavation Depth. *EDUCATUM Journal of Science, Mathematics and Technology (EJSMT)*. Vol. 9 No. 1, 79-91. ISSN 2289-7070 / e-ISSN 2462-2451 (79-91)
7. N.A.M Salim and Z. Mohamed. (2021). Energy Absorption of Weathered Rock with Cyclic Stress History. *Proceeding of the 5th Symposium on Damage Mechanism in Materials and Structures*. 44-45 (ISBN 978-967-2224-66-2).
8. Nurul Ainain Mohd Salim and Zainab Mohamed. (2021). The Influence of Cyclic Stress History on the Energy Absorption of Weathered Rock, *Civil Engineering and Architecture*, Vol 9 (5A), 41-46.
9. Salim, N.A.M., Mohamed, Z. & Berhan, M.N. (2017). Stress ratio effect on fatigue life of Tropically weathered rock, *Bulletin of Engineering Geology and the Environment*, 1-10. (<https://doi.org/10.1007/s10064-017-1181-6>) (Q1 Journal)
10. Salim, N.A.M., Mohamed, Z. & Berhan, M.N. (2016). The effect of cyclic stress on the strain and microstructure of weathered granite, *International Conference of Civil and Infrastructure Engineering (InCIEC 2015)*. 287-299 (https://doi.org/10.1007/978-981-10-0155-0_27)
11. Salim, N.A.M., Mohamed, Z. & Berhan, M.N. (2014). The influence of cyclic load to the properties of weathered granite, *International Conference of Civil and Infrastructure Engineering (InCIEC 2013)*. 477-487. (https://doi.org/10.1007/978-981-4585-02-6_41)
12. Salim, N.A.M., Mohamed, Z. & Berhan, M.N. (2013). Behaviour of weathered rock under cyclic loading. *International Refereed Journal of Engineering and Sciences* 2 (2), 07-22. (ISSN (Online) 2319-183X, (Print) 2319-1821)
13. Salim, N.A.M., Mohamed, Z. & Berhan, M.N. (2012). Cyclic loading effect of uniaxial compressive strength of weathered rock. *6th SasTech 2012 International Symposium on Advances in Science and Technology*. (ISSN (Online) ISSN 1735-5540)

D. RESEARCH GRANTS

1. Mechanism of Geopolymetric Slope Surface Protection and Erosion Control. (FRGS-EC Grant **2024** – Lead/Principal Investigator)
2. Study and rural Empowerment and Community Help (Yayasan TM Grant 2023- Member)

3. The Effects of Accelerated Decomposition on the Geotechnical Properties of Organic Peat Soils (Geran Penyelidikan Muda Berbakat Khas (YTRK) 2020 -Member)
4. Mechanism of Wave Propagation and Derivation of Engineering and Mechanical Properties for Sedimentary Rock (Geran Penyelidikan Khas 2020 - Member)
5. UiTM Shah Alam Towards Low Carbon Campus Through Carbon Reduction in Transportation (Geran Bestari 2019- Member)

E. INNOVATION AWARDS

1. MyGreCO: My Green Construction Site-Carbon Emission Assessment and Monitoring Tool (MTE 2022-Silver)
2. Cylo Meter- A Low-Cost Soil Moisture Monitoring Sensor with Automatic Irrigation System (VIC 2021-Bronze)
3. Kolora Meter V2: Integrated Water Quality Sensors and IOY for surface water Monitoring System (KRESO GLAVAC SPECIAL AWARD)
4. Kolora Meter V2: Integrated Water Quality Sensors and IOY for surface water Monitoring System (MTE2021-GOLD)
5. Integrated Water Quality Monitoring and IoT for Surface Water (iindex2021-SILVER)
6. Cylo Meter- A Low-Cost Soil Moisture Monitoring Sensor with Automatic Hydroponic Watering System (RISE 2021-GOLD)
7. Cylo Meter- A Low-Cost Soil Moisture Monitoring Sensor with Automatic Hydroponic Watering System (iindex2021-SILVER)
8. Integrated Water Quality Monitoring and IoT for Surface Water (Special IEE ComSoc/VTS Malaysia Chapter Award)
9. Integrated Water Quality Monitoring and IoT for Surface Water (IICCE2021-GOLD)
10. Rock Engineering MOOC (econdev2021-SILVER)
11. Integrated Water Quality Monitoring and IoT for Contamination Detection (iindex2021-GOLD)
12. Approbation Technology in Open Distance Learning (ODL) Through Open Ended of Geotechnical Laboratory (econdev2020 - BRONZE)
13. Peat Soil Reinforcement Using Waste Tyre Granules for Sustainable Construction (iindex2020-SILVER)
14. Kolora Meter: A Low-Cost Water Quality Monitoring Device. (iindex2020-GOLD)

F. AREA OF INTEREST

- Rock Mechanics

- Soil Mechanics
- Engineering Geology
- Foundation Engineering
- Rock Cyclic & Rock Fatigue