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Civil and Environmental Engineering Department.....

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Time at UoN: Since 2021

Marital Status: ...

Academic Qualifications

Ph.D, Universiti Kebangsaan Malaysia, 2017, Web-Based Expert System for Flexible Pavement Maintenance in Tropical Region

M.Eng, Universiti Kebangsaan Malaysia, 2009, The Effect of Mix Design System on Stripping Potential of Hot Mix Asphalt Mixture Using the Marshall Method

B.Sc., Al-Mergib University, 2007, Survey on the Relevance of Topographic Land at Faculty of Engineering Al-Mergib

Teaching Activities

Fluid Mechanics

Highway Engineering I

Surveying engineering

Geomatics Engineering

Research and Statistical Methods

Highway Engineering II

Transportation Planning

Research Activities

- Research Interests

Highway Engineering

Pavement Engineering

Green technologies in asphalt pavement

Utilisation of Waste-Based Geopolymer

- Conference Presentations

Using an Azure Machine Learning Approach for Flexible Pavement Maintenance., 16th IEEE International Colloquium on Signal Processing & Its Applications (CSPA), langkawi malaysia , 15/02/2020

- Publications

Article:

1. 2022 Encouraging Sustainable Use of RAP Materials for Pavement Construction in Oman: A Review
2. 2022 A systematic review of the utilization of waste materials as aggregate replacement in stone matrix asphalt mixes
3. 2021 Asphalt Pavement Temperature Prediction Models: A Review, Ibrahim, A., Milad, A., Memon, Z. A., Widyatmoko, I., Zanuri, N. A., Memon, N. A., & Yusoff, N. I. M. Applied Sciences, 11(9), 3794.
4. 2021 Development of ensemble machine learning approaches for designing fiber-reinforced polymer composite strain prediction model., Milad, A., Hussein, S. H., Khekan, A. R., Rashid, M., Al-Msari, H., & Tran, T. H. Engineering with Computers, 1-13.
5. 2021 Utilisation of Waste-Based Geopolymer in Asphalt Pavement Modification and Construction; A Review, Milad, A., Ali, A. S. B., Babalghaith, A. M., Memon, Z. A., Mashaan, N. S., & Arafa, S. Sustainability, 13(6), 3330.
6. 2021 An Educational Web-Based Expert System for Novice Highway Technology in

Flexible Pavement Maintenance, Milad, A., Yusoff, N. I. M., Majeed, S. A., Ali, Z. H., Solla, M., Al-Ansari, N., ... & Yaseen, Z. M. . Complexity.

7. 2021 Emerging Technologies of Deep Learning Models Development for Pavement Temperature Prediction, Milad, A., Adwan, I., Majeed, S. A., Yusoff, N. I. M., Al-Ansari, N., & Yaseen, Z. M. IEEE Access, 9, 23840-23849.

8. 2021 Investigation into the permeability and strength of pervious geopolymer concrete containing coated biomass aggregate material, Arafa, S., Milad, A., Yusoff, N. I. M., Al-Ansari, N., & Yaseen, Z. M. Journal of Materials Research and Technology, 15, 2075-2087.

9. 2020 A review of the feasibility of using crumb rubber derived from end-of-life tire as asphalt binder modifier, Milad, A., Ahmeda, A. G., Taib, A. M., Rahmad, S., Solla, M., & Yusoff, N. I. M. Journal of Rubber Research, 1-14.

10. 2020 .A review of the utilisation of recycled waste material as an alternative modifier in asphalt mixtures., Milad, A. A., Ali, A. S. B., & Yusoff, N. I. M. Civil Engineering Journal, 6, 42-60.

Ref.: <https://www.unizwa.edu.om/staff/cea/a.milad>