



Dr. Abdalrahman Abrahhim Milad

Associate Professor

Civil and Environmental Engineering Department.....

College of Engineering and Architecture

University of Nizwa, Sultanate of Oman

Extension: 836

eMail: a.milad@unizwa.edu.om

Office Location: 96825446836..

Time at UoN: Since 2021

Marital Status:

Teaching & Education , Activity Research in civil engineering, Top 2% Scientist (Stanford University & Elsevier in 2025)

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

Engineering Economics

Research Activities

- Research Interests

Highway Engineering

Pavement Engineering

Green technologies in asphalt pavement

Utilisation of Waste-Based Geopolymer

Recycling pavement materials

- 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.

Membership in Professional Bodies

2024-2026: IHE Institute of Highway Engineers

Award and Recognitions

2026 World`s Top 5% Scientists

2025 World`s Top 2% Scientists

2024 Distinguish Researcher

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

