Prof. Ghazi Al-Khateeb

Professor

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Highlights

Prof. Ghazi G. Al-Khateeb is a Professor in the Civil and Environmental Engineering Department at the University of Sharjah, with academic and professional experience in the United States, Jordan, and the United Arab Emirates. His expertise focuses on pavement mechanics, characterization and modeling of asphalt materials, asphalt binder and mixture performance, sustainable and recycled asphalt materials, Superpave technology, mechanistic–empirical pavement design, and resilient infrastructure systems. Prof. Ghazi previously served as a Senior Research Scientist at the Turner-Fairbank Highway Research Center (FHWA), USA, and has published over 200 journal articles, books, conference proceedings, and technical reports, including a two-volume book (1,108 pages) with Taylor & Francis/CRC Press. He has served as principal or co-investigator on numerous funded research projects and received multiple awards for his scholarly and professional achievements.

Educational Background

2001 **Doctor of Philosophy (PhD) in Civil Engineering / Transportation**
Department of Civil and Environmental Engineering, University of Illinois at Urbana-Champaign, IL, USA

1994 **Master of Science (MSc) in Civil Engineering / Transportation**
Department of Civil Engineering, Jordan University of Science and Technology, Irbid, Jordan

1991 **Bachelor of Science (BSc) in Civil Engineering / Transportation**
Department of Civil Engineering, Jordan University of Science and Technology, Irbid, Jordan

Honors and Recognition

2024 **Sharjah Sustainability Award**
1st Rank, Outstanding Individual Category, Sharjah Environment and Protected Areas Authority

2022 **IAAM Scientist Award**
International Association of Advanced Materials (IAAM), Advanced Materials Congress, Stockholm, Sweden

2019 **Dubai Award for Sustainable Transport**
Best Academic Institution Supportive of Sustainability

Research (Recent Publications)

- **Al-Khateeb, G. G.**, Alnaqbi, A., & Zeiada, W. (2024). Statistical and machine learning models for predicting spalling in CRCP. Scientific Reports, 14(1), 21301.
- Zeiada, W., Liu, H., Ezzat, H., **Al-Khateeb, G. G.**, Zhang, D., & Shanableh, A. (2024). An alternative approach for characterization of the linear viscoelastic behavior of asphalt binders. Road Materials and Pavement Design, 25(9), 2036-2051.
- **Al-Khateeb, G. G.**, Alattieh, S. A., Zeiada, W., & Castorena, C. (2024). State-of-the-art review on the behavior of bio-asphalt binders and mixtures. Molecules, 29(16), 3835.

Teaching (Selected Courses)

- Computational Methods in Civil Engineering
- Advanced Pavement Analysis and Design
- Advanced Topics in Transportation Engineering
- Design and Analysis of Experiments
- Modeling of Asphalt Materials
- Elementary Surveying
- Urban Transportation Planning
- Traffic Engineering
- Pavement Materials and Design
- Highway Maintenance
- Highway Safety