

## Lect. BURHAN ALEESSA ALAM

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: V-5198-2019

ScopusID: 57190490349

Yoksis Researcher ID: 258799

### Research Areas

Building materials, Materials in Civil Engineering, Concrete Technology, Building Components and Materials, Composite materials, Material Mechanics

### Academic Titles / Tasks

Lecturer PhD, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2016 - Continues

### Courses

Materials Science, Undergraduate, 2019 - 2020

Materials Testing and Measurement, Postgraduate, 2016 - 2017

### Advising Theses

Yaman İ. Ö., Alam B., ALEESSA ALAM B., EFFECT OF INCREASED VOLUME OF FIBERS ON THE FRACTURE PROPERTIES OF CEMENTITIOUS COMPOSITES, Postgraduate, U.EMRE(Student), 2019

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The impact of specimen size and alteration of fiber configuration on the flexural performance of high-performance concrete**  
Şengün E., Hamahang Sherzai M., Macit Mercan A., Guzelce A., Alam B., Ozgur Yaman İ. Ö.  
Journal of Building Engineering, vol.68, 2023 (SCI-Expanded)
- II. **Cement and hydroxyethyl methyl cellulose interaction: The performance of cement-based adhesives**  
TANGÜLER BAYRAMTAN M., ALEESSA ALAM B., Sucu M., Delibas T., Yaman İ. Ö.  
MATERIALS AND STRUCTURES, vol.55, no.3, 2022 (SCI-Expanded)
- III. **A new evaluation of the fatigue design criteria of roller compacted concrete (RCC) pavements**

Sengun E., ALEESSA ALAM B., YAMAN İ. Ö., Ceylan H.

Construction and Building Materials, vol.289, 2021 (SCI-Expanded)

- IV. **Superpave Gyratory Compactor as an Alternative Design Method for Roller Compacted Concrete in the Laboratory**  
SHABANI R., ŞENGÜN E., Ozturk H. I., ALEESSA ALAM B., YAMAN İ. Ö.  
Journal of Materials in Civil Engineering, vol.33, no.6, 2021 (SCI-Expanded)
- V. **Fatigue performance of PVA fibre reinforced cementitious composite overlays**  
Alam B., YAMAN İ. Ö.  
INTERNATIONAL JOURNAL OF PAVEMENT ENGINEERING, vol.22, no.7, pp.822-828, 2021 (SCI-Expanded)
- VI. **Stress-Based Fatigue Performance and Fatigue Life Prediction of Engineered Cementitious Composites**  
Aleessa Alam B., Yaman İ. Ö.  
Journal of Materials in Civil Engineering, vol.33, no.2, 2021 (SCI-Expanded)
- VII. **Strength and fracture properties of roller compacted concrete (RCC) prepared by an in-situ compaction procedure**  
ŞENGÜN E., ALEESSA ALAM B., Shabani R., YAMAN İ. Ö.  
CONSTRUCTION AND BUILDING MATERIALS, vol.271, 2021 (SCI-Expanded)
- VIII. **The effects of compaction methods and mix parameters on the properties of roller compacted concrete mixtures**  
Şengün E., Alam B., Shabani R., YAMAN İ. Ö.  
Construction and Building Materials, vol.228, 2019 (SCI-Expanded)
- IX. **Role of Nanosilica on the Early-Age Performance of Natural Pozzolan-Based Blended Cement**  
Yildirim G., Dundar B., ALEESSA ALAM B., YAMAN İ. Ö., ŞAHMARAN M.  
ACI MATERIALS JOURNAL, vol.115, no.6, pp.969-980, 2018 (SCI-Expanded)
- X. **Compressive Strength and Microstructural Characteristics of Natural Zeolite-Based Geopolymer**  
ÖZEN KARSLI S., ALEESSA ALAM B.  
PERIODICA POLYTECHNICA-CIVIL ENGINEERING, vol.62, no.1, pp.64-71, 2018 (SCI-Expanded)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Fracture Energy of Roller Compacted Concrete Pavements**  
ŞENGÜN E., ALEESSA ALAM B., Shabani R., YAMAN İ. Ö.  
12th International Conference on Concrete Pavements, United States Of America, 27 September 2021
- II. **Priz Geciktirici ve Akışkanlaştırıcı Katkıların Taze ve Sertleşmiş Silindirle Sıkıştırılmış Beton Özelliklerine Etkisi**  
ŞENGÜN E., Shabani R., ALEESSA ALAM B., YAMAN İ. Ö.  
10. Uluslararası Beton Kongresi, Bursa, Turkey, 2 - 04 May 2019, pp.437-446
- III. **The Evaluation of the Superpave Gyratory Compaction Method for Roller Compacted Concrete Mixture Design**  
Shabani R., Şengün E., Öztürk H. I., Aleessa Alam B., Yaman İ. Ö.  
2019 Transportation Research Board Annual Meeting, Washington, United States Of America, 13 - 17 January 2019, pp.1-4
- IV. **COMPARISON OF SEVERAL LABORATORY COMPACTION PRACTICES APPLIED ON ROLLER COMPACTED CONCRETE PAVEMENTS**  
ŞENGÜN E., shabani r., ALEESSA ALAM B., aykutlu m. a., YAMAN İ. Ö.  
13th International Congress on Advances in Civil Engineering, 12 - 14 September 2018
- V. **Effects of Different Cellulose Ethers on White Cement Based Ceramic Adhesives**  
TANGÜLER BAYRAMTAN M., ÜSTOĞLU C., ALEESSA ALAM B., SUCU M., YAMAN İ. Ö.  
13th International Congress on Advances in Civil Engineering, 12 - 14 September 2018
- VI. **EFFECTS OF FILLER INCORPORATION ON THE PROPERTIES OF BLENDED CEMENTS**

bozdoğan ö., ARDOĞA M. K., ALEESSA ALAM B., YAMAN İ. Ö.

13th International Congress on Advances in Civil Engineering, 12 - 14 September 2018

**VII. COMPARISON OF LABORATORY PRACTICES FOR ROLLER COMPACTED CONCRETEPAVEMENTS**

ŞENGÜN E., aykutlu m. a., shabani r., ALEESSA ALAM B., YAMAN İ. Ö.

13th International Symposium on Concrete Roads, 19 - 22 June 2018

**VIII. AN EXPERIMENTAL AND NUMERICAL STUDY OF BALLISTIC PERFORMANCE OF SFRC STRUCTURES**

ALEESSA ALAM B., Ghasabeh M., Toksoy K., Dara G., GÖKTEPE S., YAMAN İ. Ö.

29th International Symposium on Ballistics, Edinburgh, Saint Helena, 9 - 13 May 2016, pp.2088-2097

**IX. Effect of Fly Ash Fineness on the Activation of Geopolymer Concrete**

ALEESSA ALAM B., Keskin S. B., YAMAN İ. Ö.

7th Asian Symposium on Polymers in Concrete (ASPIC 2012), İstanbul, Turkey, 3 - 05 October 2012, pp.701-708

## **Metrics**

Publication: 19

Citation (WoS): 56

Citation (Scopus): 101

H-Index (WoS): 4

H-Index (Scopus): 7