

Lect. BURHAN ALEESSA ALAM

Personal Information

Office Phone: [+90 312 210 5470](tel:+903122105470)

Email: balam@metu.edu.tr

Web: <https://avesis.metu.edu.tr/balam>

International Researcher IDs

ScholarID: [ysq_izYAAAAJ](https://orcid.org/0000-0002-4202-1884)

ORCID: 0000-0002-4202-1884

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 Gyrotory 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 Gyrotory 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