

Res. Asst. Burcu DİNÇ ŞENGÖNÜL

Personal Information

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Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, İnşaat Mühendisliği Yapı Programı, Turkey 2019 - Continues

Doctorate, Technische Universiteit Delft, TU Delft -Faculty of Civil Engineering and Geosciences, Civil Engineering, Netherlands 2022 - 2023

Doctorate, Politecnico di Milano, Department of Architecture, Built Environment and Construction Engineering (A.B.C.), Civil Engineering, Italy 2019 - 2019

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, İnşaat Mühendisliği Yapı Programı, Turkey 2017 - 2019

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2011 - 2015

Certificates, Courses and Trainings

Vocational Training, Arkeolojik Varlıkların Korunması ve Kurtarılması, Koç Üniversitesi, 2020

Dissertations

Postgraduate, Kireç Esaslı Enjeksiyon Malzemelerinin Reolojik Özelliklerine Sıcaklık ve Bekleme Süresinin Etkisi, Yıldız Teknik Üniversitesi, Mühendislik, İnşaat Mühendisliği Yapı Programı, 2019

Research Areas

Civil Engineering, Building materials, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Civil Engineering, Civil Engineering Department, 2017 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Use of sheep slaughterhouse-derived struvite in the production of environmentally sustainable cement and fire-resistant wooden structures**
Yetilmezsoy K., Dinç Şengönül B., İlhan F., Kıyan E., Yüzer N.
JOURNAL OF CLEANER PRODUCTION, vol.366, pp.1-18, 2022 (SCI-Expanded)

- II. **Effect of temperature, resting time and brick dust (Horasan) on the rheological properties of hydraulic lime-based grouts**
DİNÇ ŞENGÖNÜL B., OKTAY D., YÜZER N.
Construction And Building Materials, vol.265, pp.120644, 2020 (SCI-Expanded)
- III. **Experimental modal investigation of scaled minaret embedded in different soil types**
HACIEFENDİOĞLU K., Alpaslan E., Demir G., Dinc B., Birinci F.
GRADEVINAR, vol.70, no.3, pp.201-212, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **Modal Identification of a Reduced-Scale Masonry Arch Bridge with Experimental Measurements and Finite Element Method**
ALPASLAN E., DİNÇ B., HACIEFENDİOĞLU K., DEMİR G., KÖKSAL O.
Challenge Journal of Structural Mechanics, vol.3, pp.108-115, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Valorization of Waste Blood as a Chemical Additive in Historical Lime-Based Mortars**
Dinç Şengönül B., Yüzer N., Boylu S., Erdil K., Gündede Y. A.
RILEM LHS Workshop on "Lime Based Materials For Repairing Historic Structures", Thessaloniki, Greece, 3 - 04 February 2022, pp.1-8
- II. **NONLINEAR FINITE ELEMENT ANALYSIS OF STONE MASONRY-SOLID WALL**
HOTHOT Y. M., DİNÇ ŞENGÖNÜL B., DORAN B., YÜZER N.
6th International Conference on Earthquake Engineering and Seismology, Kocaeli, Turkey, 13 October 2021
- III. **Nonlinear Behaviour Of Two-Whyte Stone Walls. 12th International Conference on Structural Analysis of Historical Constructions**
DİNÇ ŞENGÖNÜL B., HOTHOT Y. M., DORAN B., YÜZER N., ULUKAYA S., OKTAY D.
12th International Conference on Structural Analysis of Historical Constructions SAHC 2020, Barcelona, Spain, 29 September 2021
- IV. **Nonlinear Behaviour of Two-Whyte Stone Walls**
Dinç Şengönül B., Hothot Y. M., Doran B., Yüzer N., Ulukaya S., Oktay D.
12th INTERNATIONAL CONFERENCE ON STRUCTURAL ANALYSIS OF HISTORICAL CONSTRUCTIONS, Barcelona, Spain, 29 September - 01 October 2021, pp.2136-2145
- V. **Finite Element Applications of Stone Masonry Walls**
HOTHOT Y. M., DİNÇ ŞENGÖNÜL B., DORAN B., YÜZER N.
14th INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING, İstanbul, Turkey, 06 September 2021
- VI. **Fresh and Hardened State Properties of Lime-Based Grouts Produced from Waste Volcanic Tuff of Cappadocia Region**
Dinç Şengönül B., Bayram M., Oktay D., Yüzer N.
14th International Congress on Advances in Civil Engineering (ACE2020-21), İstanbul, Turkey, 6 - 08 September 2021, pp.59-65
- VII. **Evaluation of 3D Printability of Concrete Incorporating Recycled Aggregate Powder and PCM**
Akca A. H., Dinç Şengönül B., Ömür T., Üstündağ C. B., Kabay N., Çakır Ö., Yüzer N.
14th International Congress on Advances in Civil Engineering (ACE2020-21), İstanbul, Turkey, 6 - 08 September 2021, pp.282-289
- VIII. **Investigation Of Mechanical Properties Of Two-Wyhte Stone Masonry Walls Consolidated With Grout**
Şengönül C., Yüzer N., Dinç Şengönül B., Oktay D., Ulukaya S.
INTERNATIONAL AEGEAN SYMPOSIUMS ON INNOVATION TECHNOLOGIES & ENGINEERING-II, İzmir, Turkey, 18 - 19 September 2020, pp.53-54

IX. Time-Dependent Rheological Behaviour of Lime-Based Grouts

DİNÇ B., YÜZER N., OKTAY D.

International Civil Engineering and Architecture Conference (ICEARC'19), Trabzon, Türkiye, 17 - 20 April 2019

X. Effect of Temperature on Rheological Properties of Lime-Based Grouts

DİNÇ B., YÜZER N., OKTAY D.

13th International Congress on Advances in Civil Engineering, İzmir, Turkey, 12 September 2018, pp.1-7

XI. Investigation of Modal Parameters of a One-Span Historical Masonry Arch Bridge

ALPASLAN E., DİNÇ B., KARACA Z., BİRİNCİ F., KÖKTAN U.

4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, 11 - 13 October 2017

Supported Projects

Boylu S., Dinç Şengönül B., Yüzer N., TUBITAK Project, Atık Kanın Tarihi Kireç Harçlarında Kimyasal Katkı Malzemesi Olarak Değerlendirilmesi, 2021 - 2022

Yüzer N., Özata Ş., Ulukaya S., Oktay D., Selçuk M. E., Ündül Ö., Berilgen M. M., Tuncer Ö. F., TUBITAK Project, Investigation of the Usability of Cappadocia Volcanic Tuff in Historical Masonry Buildings by Activating with Alkalis, 2018 - 2022

YÜZER N., DİNÇ B., Project Supported by Higher Education Institutions, Kireç Esaslı Enjeksiyon Malzemelerinin Reolojik Özelliklerine Sıcaklık ve Bekleme Süresinin Etkisi, 2018 - 2019

Metrics

Publication: 15

Citation (WoS): 10

Citation (Scopus): 13

H-Index (WoS): 1

H-Index (Scopus): 2