

Prof. Soner Güler

Personal Information

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Education Information

Doctorate, Istanbul Technical University, İnşaat/Fen Bilimleri, Turkey 2007 - 2012

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, YÜKSEK PERFORMANSLI BETON DOLDURULMUŞ ÇELİK TÜPLERİN MEKANİK DAVRANIŞI, Istanbul Technical University, İnşaat Fakültesi, İnşaat Müh./Yapı, 2012

Research Areas

Civil Engineering, Structure, Concrete Structures, Engineering and Technology

Academic Titles / Tasks

Professor, Van Yüzüncü Yil University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2021 - Continues

Associate Professor, Van Yüzüncü Yil University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2016 - 2021

Assistant Professor, Van Yüzüncü Yil University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2013 - 2016

Academic and Administrative Experience

Van Yüzüncü Yil University, Mühendislik, İnşaat Mühendisliği, 2015 - Continues

Advising Theses

Güler S., Çelik, sentetik ve karma lif katkılı betonların mekanik özelliklerinin incelenmesi, Postgraduate, D.Yavuz(Student), Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of freeze-thaw cycles on strength and toughness properties of new generation 3D/4D/5D steel fiber-reinforced concrete**
Guler S., Akbulut Z. F.
JOURNAL OF BUILDING ENGINEERING, vol.51, 2022 (Journal Indexed in SCI)
- II. **Residual strength and toughness properties of 3D, 4D and 5D steel fiber-reinforced concrete exposed to high temperatures**
Guler S., Akbulut Z. F.
CONSTRUCTION AND BUILDING MATERIALS, vol.327, 2022 (Journal Indexed in SCI)
- III. **Effect of macro polypropylene, polyamide and steel fibers on the residual properties of SCC at ambient and elevated temperatures**
Guler S., Akbulut Z. F. , Siad H., Lachemi M.
CONSTRUCTION AND BUILDING MATERIALS, vol.289, 2021 (Journal Indexed in SCI)
- IV. **Workability, strength and toughness properties of different types of fiber-reinforced wet-mix shotcrete**
Guler S., Oker B., Akbulut Z. F.
STRUCTURES, vol.31, pp.781-791, 2021 (Journal Indexed in SCI)
- V. **Thermal shock and freeze-thaw resistance of different types of carbonate rocks**
Guler S., Türkmenoğlu Z. F. , Varol O. O.
International Journal of Rock Mechanics and Mining Sciences, vol.137, 2021 (Journal Indexed in SCI)
- VI. **Performance of single and hybrid nanoparticles added concrete at ambient and elevated temperatures**
Guler S., Türkmenoğlu Z. F. , Ashour A.
CONSTRUCTION AND BUILDING MATERIALS, vol.250, 2020 (Journal Indexed in SCI)
- VII. **Hybrid fiber reinforced concrete-filled square stub columns under axial compression**
Güler S., Yavuz D., Aydın M.
ENGINEERING STRUCTURES, vol.198, 2019 (Journal Indexed in SCI)
- VIII. **Post-cracking behavior of hybrid fiber-reinforced concrete-filled steel tube beams**
Guler S., YAVUZ D.
CONSTRUCTION AND BUILDING MATERIALS, vol.205, pp.285-305, 2019 (Journal Indexed in SCI)
- IX. **Strength prediction models for steel, synthetic, and hybrid fiber reinforced concretes**
Güler S., Yavuz D., Korkut F., Ashour A.
STRUCTURAL CONCRETE, vol.20, pp.428-445, 2019 (Journal Indexed in SCI)
- X. **The effect of polyamide fibers on the strength and toughness properties of structural lightweight aggregate concrete**
Guler S.
CONSTRUCTION AND BUILDING MATERIALS, vol.173, pp.394-402, 2018 (Journal Indexed in SCI)
- XI. **Review of Current Design Guidelines for Circular FRP-Wrapped Plain Concrete Cylinders**
Güler S., Ashour A.
JOURNAL OF COMPOSITES FOR CONSTRUCTION, vol.20, no.2, 2016 (Journal Indexed in SCI)
- XII. **A COMPARATIVE STUDY ON SQUARE AND CIRCULAR HIGH STRENGTH CONCRETE-FILLED STEEL TUBE COLUMNS**
Guler S., Copur A., Aydoğan S. M.
ADVANCED STEEL CONSTRUCTION, vol.10, no.2, pp.234-247, 2014 (Journal Indexed in SCI)
- XIII. **Nonlinear finite element modeling of FRP-wrapped UHPC columns**
Guler S., Copur A., Aydogan M.
COMPUTERS AND CONCRETE, vol.12, no.4, pp.413-429, 2013 (Journal Indexed in SCI)
- XIV. **Axial capacity and ductility of circular UHPC-filled steel tube columns**
Guler S., Copur A., Aydogan M.
MAGAZINE OF CONCRETE RESEARCH, vol.65, no.15, pp.898-905, 2013 (Journal Indexed in SCI)

- XV. **Non-linear analysis of steel fibre reinforced concrete-filled steel tube columns**
Guler S., Lale E., Aydogan M.
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-STRUCTURES AND BUILDINGS, vol.166, no.6, pp.298-306, 2013 (Journal Indexed in SCI)
- XVI. **BEHAVIOUR OF SFRC FILLED STEEL TUBE COLUMNS UNDER AXIAL LOAD**
Guler S., Lale E., Aydogan M.
ADVANCED STEEL CONSTRUCTION, vol.9, no.1, pp.14-25, 2013 (Journal Indexed in SCI)
- XVII. **Flexural behaviour of square UHPC-filled hollow steel section beams**
Guler S., Copur A., Aydogan M.
STRUCTURAL ENGINEERING AND MECHANICS, vol.43, no.2, pp.225-237, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Çelik Lif Katkılı Alüminyum Flexural Behaviour of Steel Fiber Reinforced Concrete-Filled Aluminum Tube Beams** Tüp İçine Beton Doldurulmuş Kirişlerin Eğilme Dayanımlarının İncelenmesi
Yaltay N., Yavuz D., Güler S.
Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.36, no.1, pp.79-87, 2021 (National Refreed University Journal)
- II. **ÇELİK VE SENTETİK LİFLERİN KENDİLİĞİNDEN YERLEŞEN BETONLARIN TAZE VE MEKANİK ÖZELLİKLERİ ÜZERİNE ETKİSİ**
Korkut F., Türkmenoğlu Z. F. , Taymuş R. B. , Güler S.
Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.6, no.2, pp.560-570, 2017 (National Refreed University Journal)
- III. **Çelik Lif Katkılı Betonların Mekanik Özelliklerinin İncelenmesi**
Yavuz D., Güler S., Korkut F., Türkmenoğlu Z. F.
NWSA Engineering Science, vol.4, no.4, pp.93-99, 2016 (Other Refereed National Journals)
- IV. **The effect of high temperature on physical and mechanical properties of self compacting lightweight concretes**
Türkmenoğlu Z. F. , kılıç a. m. , Güler S.
International Journal of Chemical Metallurgical Civil Engineering, vol.3, no.2, pp.235-238, 2016 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **INVESTIGATION OF STRENGTH PROPERTIES OF 3D, 4D, 5D STEEL FIBER REINFORCED CONCRETE AFTER FREEZE-THAW EFFECT**
Turunç D., Güler S., Akbulut Z. F.
İSTANBUL INTERNATIONAL MODERN SCIENTIFIC RESEARCH CONGRESS –III, İstanbul, Turkey, 6 - 08 May 2022, pp.1452-1462
- II. **A General Assesment on the Use of Marble Wastes in the Concrete Applications**
Aydın M., Akbulut Z. F. , Güler S.
VII. INSAC International Congress on Natural and Engineering Sciences, Konya, Turkey, 21 - 23 October 2021, pp.125-131
- III. **Kür Sıcaklığının Kocapınar Pomzası İle Üretilen Geopolimer Betonun Dayanımına Etkilerinin İncelenmesi**
Yaltay N., Güler S., Korkut F., Türkmenoğlu Z. F. , Türkmenoğlu M.
IV. INTERNATIONAL ACADEMIC RESEARCH CONGRESS, Antalya, Turkey, 30 October - 03 November 2018, pp.306
- IV. **Pomza Tozu ve Silis Dumanı İle Üretilen Geopolimer Betonun Dayanım Özellikleri**
Yaltay N., Güler S., Korkut F., Türkmenoğlu Z. F. , Türkmenoğlu M.

4. Uluslararası Multidisipliner Çalışmaları Kongresi, Girne, Cyprus (Kkctc), 18 - 19 October 2018, pp.57

- V. **HIGH PERFORMANCE CONCRETE: AN OVERVIEW**
Yaltay N., Yavuz D., Güler S.
ICENS2018, Kiev, Ukraine, 2 - 06 May 2018, pp.518
- VI. **RETROFITTING METHODS OF MASONRY BUILDINGS IN TURKEY**
Güler S., Yavuz D., Yaltay N.
ICENS2018, Kiev, Ukraine, 2 - 06 May 2018, pp.517
- VII. **Axial behaviour of concrete filled steel tube stub columns: a review**
Guler S., Korkut F., Yaltay N., Yavuz D.
12th International Conference on Advances in Steel-Concrete Composite Structures (ASCCS), Valencia, Spain, 27 - 29 June 2018, pp.359-363
- VIII. **Compressive Strength of Fiber Reinforced Concrete with Air- Entrainment Agents**
Yavuz D., Türkmenoğlu Z. F. , Güler S., Taymuş R. B.
ICENS, Budapeşte, Hungary, 3 - 07 May 2017, pp.120
- IX. **The Effect of Synthetic Fibers on Self Compacting Concrete**
Türkmenoğlu Z. F. , Yavuz D., Güler S., Korkut F.
ICENS, Budapeşte, Hungary, 3 - 07 May 2017, pp.458
- X. **Compressive Strength of Steel, Synthetic and Hybrid Reinforced Concretes**
Güler S., Yavuz D., Yaltay N., Korkut F.
ICENS, Budapeşte, Hungary, 3 - 07 May 2017, pp.122
- XI. **Compressive strength of steel fiber reinforced concrete**
Güzel E., Yavuz D., Korkut F., Güler S.
ICENS, Budapeşte, Hungary, 3 - 07 May 2017, pp.121
- XII. **Mechanical Properties of Steel Fiber Reinforced Self Compacting Concrete**
Yavuz D., Güler S., Türkmenoğlu Z. F. , Taymuş R. B.
ICENS, Budapeşte, Hungary, 3 - 07 May 2017, pp.314
- XIII. **The Use Of Some Rocks Used As Consrtruction Stones in Turkey**
Türkmenoğlu Z. F. , Güler S., Yavuz D.
3. International Conference on Civil and Environmental Engineering, İzmir, Turkey, 24 April 2017 - 27 April 2018, pp.682
- XIV. **An Investigation on Ultrasonic Pulse Velocity of Hybrid Fiber Reinforced Concretes**
Güler S., Yavuz D., taymuş r. b. , Korkut F.
ICCEQS 2016: 18th International Conference on Construction Engineering and Quantity Surveying, Hong Kong, China, 5 - 06 December 2016, pp.56-60
- XV. **A brief review of the axial capacity of circular high strength CFST columns**
korkut f., Güler S.
ICCEUP 2016, Seattle, United States Of America, 8 - 09 August 2016, pp.1515-1518
- XVI. **Compressive strength of synthetic fiber reinforced concretes**
Güler S., Yavuz D., Korkut F.
ICCEUP 2016,, Seattle, United States Of America, 8 - 09 August 2016, pp.1519-1521
- XVII. **Ultrasonic pulse velocity of steel and synthetic fiber reinforced concretes**
Yavuz D., Korkut F., Güler S.
ICASCE 2016, Londra, United Kingdom, 26 - 27 July 2016, pp.239-242
- XVIII. **The Effect of High Temperature on Physical and Mechanical Properties of Self Compacting Lightweight Concretes**
Türkmenoğlu Z. F. , KILIÇ A. M. , Güler S.
ICASCE 2016, Londra, United Kingdom, 26 - 27 July 2016, pp.44-48
- XIX. **Evaluating of Design Codes for Circular High Strength CFST Columns**
Güler S., Güzel E., Gülen M.
ICSE 2016: 18.Tth International Conference on Structural Engineering, Roma, Italy, 2 - 03 May 2016, pp.750-753
- XX. **Evaluating of Design Codes for Circular High Strength Concrete-Filled Steel Tube Columns**

- Güler S., Güzel E., Gülen M.
ICSE 2016: 18th International Conference on Structural Engineering, Roma, Italy, 2 - 03 May 2016, pp.12
- XXI. **Observed damages to adobe masonry buildings after 2011 Van earthquake**
Güzel E., Güler S., Gülen M.
ICCEIE 2015: 17th International Conference on Civil, Environmental and Infrastructure Engineering, Kopenhagen, Denmark, 11 - 12 June 2015, pp.1659-1663
- XXII. **The necessity of retrofitting for masonry buildings in Turkey**
Güler S., Gülen M., Güzel E.
ICCEIE 2015: 17th International Conference on Civil, Environmental and Infrastructure Engineering, Kopenhagen, Denmark, 11 - 12 June 2015, pp.1656-1658
- XXIII. **A brief overview of seven churches in Van province**
Güzel E., Güler S., Gülen M.
ICCEBM 2015: 17th International Conference on Civil Engineering and Building Materials, Paris, France, 23 - 24 January 2015, pp.1508-1512
- XXIV. **The usage of adobe in historical structures of Van city**
Gülen M., Güzel E., Güler S.
ICCEBM 2015: 17th International Conference on Civil Engineering and Building Materials, Paris, France, 23 - 24 January 2015, pp.1513-1517
- XXV. **Evaluating of Turkish Earthquake Code (2007) for FRP wrapped circular concrete cylinders**
Güler S., Güzel E., Gülen M.
ICCEBM 2015, Paris, France, 23 - 24 January 2015, pp.1518-1521
- XXVI. **Damages observed in unreinforced masonry structures after the 2011 Van earthquakes**
Güler S.
ACCEE, Phuket, Thailand, 15 - 16 March 2014, pp.173-178
- XXVII. **Damage to reinforced concrete buildings after the 2011 Van earthquakes**
Güler S.
ACCEE, Phuket, Thailand, 15 - 16 March 2014, pp.184-188
- XXVIII. **AN OVERVIEW OF MASONRY STRUCTURES WITH MUD BRICK IN VAN PROVINCE**
Güler S.
ACCEE, Phuket, Thailand, 15 - 16 March 2014, pp.179-183

Supported Projects

Güler S., Türkmenoğlu Z. F. , Project Supported by Higher Education Institutions, Normal ve paslanmaz çelik tüp içine beton doldurulmuş kısa kompozit kolonların dayanım ve süneklik kapasitelerinin incelenmesi, 2019 - 2020

Güler S., Project Supported by Higher Education Institutions, İnşaat mühendisliği uygulamalarında yapay sinir ağları modellerinin gelişimi, 2019 - 2019

Güler S., AYDIN M., Project Supported by Higher Education Institutions, Çelik tüp içine beton doldurulmuş kısa kompozit kolonların davranışlarının incelenmesi, 2018 - 2019

Yaltay N., Yavuz D., Korkut F., Güler S., Aydın M., Project Supported by Higher Education Institutions, Alüminyum tüp içine beton doldurulmuş kirişlerin eğilme dayanımlarının incelenmesi, 2018 - 2019

Türkmenoğlu M., Güler S., Türkmenoğlu Z. F. , Yaltay N., Project Supported by Higher Education Institutions, Nano katkı normal ve geopolimer betonların basınç dayanımlarının yüksek sıcaklık etkisi altında incelenmesi, 2018 - 2019

Güler S., Project Supported by Higher Education Institutions, Yığma yapılarda güçlendirme teknikleri, 2018 - 2018

Güler S., Korkut F., Yavuz D., Türkmenoğlu Z. F. , Yaltay N., Aydın M., Project Supported by Higher Education Institutions, Normal ve paslanmaz çelik tüp içine beton doldurulmuş kirişlerin eğilme dayanımlarının incelenmesi, 2018 - 2018

Güler S., Güzel E., Korkut F., Yaltay N., Yavuz D., Türkmenoğlu Z. F. , Taymuş R. B. , Gülen M., Project Supported by Higher Education Institutions, Lif katkı kendiliğinden yerleşen betonların basınç dayanımlarının yüksek sıcaklık etkisi altında incelenmesi, 2017 - 2017

Güler S., Project Supported by Higher Education Institutions, Karma lif katkı betonların eğilme dayanımlarının

belirlenmesi, 2017 - 2017

Güler S., Project Supported by Higher Education Institutions, Lif katkılı betonlarda hava sürükleyici etkisi, 2016 - 2017

Güler S., Yaltay N., Yavuz D., Korkut F., Türkmenoğlu Z. F. , Project Supported by Higher Education Institutions, Sentetik Lif Katkılı Betonların Basınç Dayanımlarının İncelenmesi, 2016 - 2017

Güler S., Project Supported by Other Official Institutions, Lif katkılı yüksek performanslı betonlar, 2016 - 2017

Güler S., Türkmenoğlu Z. F. , Güzel E., Korkut F., Gülen M., Yavuz D., Project Supported by Higher Education Institutions, Çelik Lif Katkılı Betonların Mekanik Özelliklerinin İncelenmesi, 2016 - 2016

Güler S., Project Supported by Higher Education Institutions, Lifli Polimer Malzeme İle Sargılanmış Donatısız Kolonların Sonlu Eleman Analizi, 2015 - 2016

Scientific Refereeing

engineering structures, SCI Journal, December 2019

engineering structures, SCI Journal, August 2019

construction and building materials, SCI Journal, January 2019

construction and building materials, SCI Journal, October 2018

construction and building materials, SCI Journal, August 2018

construction and building materials, SCI Journal, June 2018

Construction and Building Materials, SCI Journal, July 2017

Constrction and Building Materials, SCI Journal, January 2016

Citations

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