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International Researcher IDs

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Education Information

Doctorate, Kahramanmaras Sutcu Imam University, Institute Of Science, Turkey 2013 - 2019

Dissertations

Doctorate, The investigation of structural behaviour of masonry walls strengthened by geogrid geopolymer panels, Kahramanmaras Sutcu Imam University, Institute Of Science, 2019

Postgraduate, Elazığ Ferrorokrom cürufundan üretilen geopolimer çimentolu betonların sülfat direncinin araştırılması, Inonu University, Fen Bilimleri Enstitüsü, 2013

Research Areas

Structural Mechanics, Structure, Prefabrication, Timber Structures, Performance of Constructed Facilities, Earthquake Engineering, Concrete Structures, Repair and Strengthening in Buildings, Masonry Structures

Academic Titles / Tasks

Associate Professor, Inonu University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2022 - Continues

Assistant Professor, Inonu University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2019 - Continues

Lecturer PhD, Malatya Turgut Özal University, İnşaat Bölümü, İnşaat Teknolojileri, 2018 - 2019

Lecturer, Inonu University, İnşaat Bölümü, İnşaat Teknolojileri, 2017 - 2018

Research Assistant, Kilis 7 Aralık University, İnşaat Mühendisliği Bölümü , 2014 - 2017

Other, Inonu University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü , 2011 - 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Experimental Performance of RC Beams Strengthened with Aluminum Honeycomb Sandwich Composites and CFRP U-Jackets**
Kantarci M., Maraş M. M. , Ayaz Y.
EXPERIMENTAL TECHNIQUES, 2022 (SCI-Expanded)
- II. **Fabrication of Novel Geopolymer Grout as Repairing Material for Application in Damaged RC Beams**

KANTARCI F., MARAŞ M. M.

INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, vol.20, no.4, pp.461-474, 2022 (SCI-Expanded)

- III. **Seismic Assessment of the Historical Sutlu Minaret Mosque**
MARAŞ M. M. , ÖZMEN A., Sayin E., AYAZ Y.
PERIODICA POLYTECHNICA-CIVIL ENGINEERING, vol.66, no.2, pp.445-459, 2022 (SCI-Expanded)
- IV. **Formulation of a novel nano TiO₂-modified geopolymer grout for application in damaged beam-column joints**
KANTARCI F., MARAŞ M. M.
CONSTRUCTION AND BUILDING MATERIALS, vol.317, 2022 (SCI-Expanded)
- V. **Structural Performance of Reinforced Concrete (RC) Moment Frame Connections Strengthened Using FRP Composite Jackets**
MARAŞ M. M. , KANTARCI F.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.46, no.11, pp.10975-10992, 2021 (SCI-Expanded)
- VI. **Tensile and flexural strength cracking behavior of geopolymer composite reinforced with hybrid fibers**
MARAŞ M. M.
ARABIAN JOURNAL OF GEOSCIENCES, vol.14, no.22, 2021 (SCI-Expanded)
- VII. **Characterization of performable geopolymer mortars for use as repair material**
MARAŞ M. M.
STRUCTURAL CONCRETE, vol.22, no.5, pp.3173-3188, 2021 (SCI-Expanded)
- VIII. **Mechanical and fracture behavior of geopolymer composites reinforced with fibers by using nano-TiO₂**
MARAŞ M. M.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.43, no.9, 2021 (SCI-Expanded)
- IX. **Structural Behavior of Masonry Panels Strengthened Using Geopolymer Composites in Compression Tests**
MARAŞ M. M. , Kose M. M.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, vol.45, no.2, pp.767-777, 2021 (SCI-Expanded)
- X. **Experimental behavior of injected geopolymer grout using styrene-butadiene latex for the repair and strengthening of masonry walls**
MARAŞ M. M.
ADVANCES IN STRUCTURAL ENGINEERING, 2021 (SCI-Expanded)
- XI. **Microstructural Characterization and Mechanical Properties of Volcanic Tuff (Malatya, Turkey) Used as Building Stone for the Restoring Cultural Heritage**
MARAŞ M. M. , KÖSE M. M. , RIZAOĞLU T.
PERIODICA POLYTECHNICA-CIVIL ENGINEERING, vol.65, no.1, pp.309-319, 2021 (SCI-Expanded)
- XII. **Mechanical and Microstructural Properties of Polypropylene Fiber-Reinforced Geopolymer Composites**
Maras M. M. , Kose M. M.
JOURNAL OF FIBER SCIENCE AND TECHNOLOGY, vol.75, no.4, pp.35-46, 2019 (SCI-Expanded)
- XIII. **Fire resistance of geopolymer concrete produced from Elaz ferrochrome slag**
TÜRKMEN İ., KARAKOÇ M. B. , KANTARCI F., Maras M. M. , Demirboga R.
FIRE AND MATERIALS, vol.40, no.6, pp.836-847, 2016 (SCI-Expanded)
- XIV. **Sulfate resistance of ferrochrome slag based geopolymer concrete**
KARAKOÇ M. B. , TÜRKMEN İ., Maras M. M. , KANTARCI F., Demirboga R.
CERAMICS INTERNATIONAL, vol.42, no.1, pp.1254-1260, 2016 (SCI-Expanded)
- XV. **Mechanical properties and setting time of ferrochrome slag based geopolymer paste and mortar**
KARAKOÇ M. B. , TÜRKMEN İ., Maras M. M. , KANTARCI F., Demirboga R., Toprak M. U.
CONSTRUCTION AND BUILDING MATERIALS, vol.72, pp.283-292, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **Mechanical properties of confined damaged concrete strengthened with fiber reinforced polymer wraps**
MARAŞ M. M.
El-Cezeri Fen ve Mühendislik Dergisi, vol.8, no.2, pp.706-717, 2021 (Scopus)
- II. **Betonarme Yapıların Güçlendirilmesinde FRP Kompozitlerin Yapısal Performansa Etkisi**
MARAŞ M. M.
Avrupa Bilim ve Teknoloji Dergisi, vol.23, pp.108-119, 2021 (Peer-Reviewed Journal)
- III. **Polimer Katkılı Kompozitlerin Mekanik ve Yalıtım Özelliklerinin İncelenmesi**
TEMİZ H., MARAŞ M. M. , KANTARCI F.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.8, no.2, pp.1394-1406, 2020 (Peer-Reviewed Journal)
- IV. **Investigation of Mechanical and Insulation Properties of Composites Containing Polymers Additives**
Maraş M. M. , Kantarcı F.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.8, no.2, pp.1394-1406, 2020 (Peer-Reviewed Journal)
- V. **Assessment of Seismic Hazards for Unreinforced Masonry Structures in Turkey**
MARAŞ M. M.
American Journal Engineering Research, vol.10, pp.291-296, 2017 (Scopus)
- VI. **Comparison on Repair and Strengthening Techniques for Unreinforced Masonry Structures**
MARAŞ M. M. , Kılnc H. Ç.
International Journal of Engineering Resarch and Aplication, vol.10, pp.1-6, 2016 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Rheology of High Strength Geopolymer Composites and Its Application on Masonry Wall Using Shotcrete**
MARAŞ M. M.
14th International Congress On Advances in Civil Engineering, İstanbul, Turkey, 6 - 08 September 2021
- II. **Malatya-Battalgazi İlçesindeki Betonarme Yapının 2018 Deprem Yönetmeliğine Göre Deprem Performansının Belirlenmesi**
MARAŞ M. M.
V. Uluslararası Battalgazi Bilimsel Çalışmalar Kongresi, Malatya, Turkey, 18 - 20 December 2020
- III. **Investigation of Structural Behavior of CFRP Strengthened Masonry Walls by Macro Modeling Technique**
MARAŞ M. M.
5th International GAP Mathematics -Engineering Science and Healthsciences Congress, Şanlıurfa, Turkey, 4 - 06 December 2020
- IV. **Mechanical properties of geopolymer panel composites with different types of geosynthetics**
MARAŞ M. M. , KÖSE M. M.
Sixteenth Young Researchers Conference Science and Engineering, 06 December 2017 - 08 December 2019
- V. **Microstructural Characterization and Mechanical Properties of Heritage**
MARAŞ M. M. , KÖSE M. M.
CBU International Conference, PRAG, Czech Republic, 21 - 23 March 2018
- VI. **Non-Destructive Testing and Assessment Analysis of Old Structures: A Case Study – Battalgazi, Turkey**
KÖSE M. M. , MARAŞ M. M.
CBU International Conference, PRAG, Czech Republic, 21 - 23 March 2018
- VII. **Microstructural Characterization and Mechanical Properties of Heritage Building Elements**
Maraş M. M. , Kose M.
CBUİC, Praha, Czech Republic, 22 - 25 March 2018, pp.1-6

- VIII. **Non-Destructive Testing and Assessment Analysis of Old Structures: A Case Study**
Maraş M. M. , Kose M.
CBUIC, Praha, Czech Republic, 22 - 25 March 2018, pp.10-20
- IX. **Geopolymer Grouts as Seismic Strengthening of Heritage Structures**
MARAŞ M. M.
The 4th International Conference "The Importance of Place, SARAYBOSNA, Bosnia And Herzegovina, 20 - 23 October 2017
- X. **Assessment of Seismic Hazards for Unreinforced Masonry Structures in Turkey**
MARAŞ M. M.
The 4th International Conference "The Importance of Place", SARAYBOSNA, Bosnia And Herzegovina, 20 - 23 October 2017
- XI. **Seismic Retrofitting Conventional Methods for Historical Constructions**
MARAŞ M. M.
The 4th International Conference "The Importance of Place", SARAYBOSNA, Bosnia And Herzegovina, 20 - 23 October 2017
- XII. **Seismic Retrofitting Conventional Methods for Historical Constructions**
MARAŞ M. M.
III International Conference on Sustainable Development, SARAYBOSNA, Bosnia And Herzegovina, 19 - 23 April 2017
- XIII. **Investigation into Strengthening and Rehabilitation Methods for Old Masonry Structures**
MARAŞ M. M.
International Energy and Engineering Conference, Gaziantep, Turkey, 13 - 14 October 2016
- XIV. **Assessment of Damaged Observed in Masonry and Historic Buildings**
MARAŞ M. M.
International Conference on Natural Science and Engineering, Kilis, Turkey, 19 - 20 March 2016
- XV. **Non-Destructive Testing Techniques in Historical Buildings**
MARAŞ M. M.
International Conference on Natural Science and Engineering, Kilis, Turkey, 19 - 20 March 2016
- XVI. **Investigation of Ferrochrome Slag Based Geopolymer Concrete Under the Sulfate Attack**
KARAKOÇ M. B. , TÜRKMEN İ., MARAŞ M. M. , KANTARCI F., DEMİRBOĞA R.
International Journal of Arts and Sciences, ROMA, Italy, 19 - 22 October 2015, vol.8, pp.63-70
- XVII. **Investigation of Ferrochrome Slag Based Geopolymer Concrete Under The Sulfate Attack**
KARAKOÇ M. B. , TÜRKMEN İ., KANTARCI F., MARAŞ M. M. , DEMİRBOĞA R.
Conference of the International Journal of Arts & Sciences, ROMA, Italy, 19 - 22 October 2015, vol.8, pp.63-70
- XVIII. **Mechanical Properties and Setting Time of Geopolymer Paste and Mortar Produced From Ferrochrome Slag**
KARAKOÇ M. B. , TÜRKMEN İ., MARAŞ M. M. , KANTARCI F., Demirboga R., Toprak M. U.
International Conference on Renewable Energy Research and Applications (ICRERA), Madrid, Spain, 20 - 23 October 2013, pp.52-57
- XIX. **Fire Resistance of Geopolymer Concrete Produced From Ferrochrome Slag by Alkali Activation Method**
TÜRKMEN İ., KARAKOÇ M. B. , KANTARCI F., MARAŞ M. M. , Demirboga R.
International Conference on Renewable Energy Research and Applications (ICRERA), Madrid, Spain, 20 - 23 October 2013, pp.58-63

Supported Projects

MARAŞ M. M. , ÖZDEMİR M. F. , Project Supported by Higher Education Institutions, Lamine Ahşap Yapı Elamanlarının FRP Kompozit ve Çelik Halatlar Kullanılarak Güçlendirilmesi, 2022 - Continues
MARAŞ M. M. , YURTSEVEN H. B. , Project Supported by Higher Education Institutions, Lamine Ahşap Malzemesiyle

Üretilmiş Kemer Elemanların FRP Kompozitlerle Güçlendirilmesi, 2022 - Continues
MARAŞ M. M. , BÜYÜKTAPU M., Project Supported by Higher Education Institutions, Karma Hibrit lifli Geopolimer Harçlarla Üretilen Yığma Duvarların Mekanik Özelliklerinin İncelenmesi, 2021 - Continues
TÜRK K., MARAŞ M. M. , SARICI T., Project Supported by Higher Education Institutions, Betonarme Yapıların Deprem Performans Analizinin Belirlenmesi, 2020 - 2021
MARAŞ M. M. , KANTARCI F., Project Supported by Higher Education Institutions, Fiber Takviyeli Polimer Kompozitlerle Güçlendirilmiş Betonarme Kirişlerin Yapısal Davranışı, 2020 - 2021
MARAŞ M. M. , ÖZDEMİR M. F. , YILDIZ A., Project Supported by Higher Education Institutions, Yığma Yapılardaki Duvar Elemanlarının Geopolimer Grout Enjeksiyon Yöntemiyle Güçlendirilmesi, 2020 - 2020
Maraş M. M. , Köse M. M. , Project Supported by Higher Education Institutions, Geogrid Ferro Geopolimer Panellerle Yığma Yapıların Depreme Karşı Güçlendirilmesi, 2015 - 2019
Maraş M. M. , Karakoç M. B. , Project Supported by Higher Education Institutions, Geopolimer Çimento ile Üretilen Harç ve Betonlarda Oluşan Rötrenin İncelenmesi, 2013 - 2015
Maraş M. M. , Karakoç M. B. , Project Supported by Higher Education Institutions, Elazığ Ferrokrom Cürufundan Alkali Aktivasyon Metoduyla Üretilen Geopolimer Çimentolu Betonların Yangın Dayanımının Araştırılması, 2012 - 2014
Maraş M. M. , Karakoç M. B. , Project Supported by Higher Education Institutions, Elazığ Ferrokrom Cürufundan Üretilen Geopolimer Çimentolu Betonların Sülfat DirencininAraştırılması, Yükseköğretim Kurumlar tarafından destekli bilimsel araştırma projesi, 2012 - 2014
Türkmen İ., TUBITAK Project, Elazığ Ferrokrom Cürufu ile Geopolimer Çimento Üretiminin Araştırılması, 2011 - 2014
TÜRKMEN İ., TUBITAK Project, Elazığ Ferrokrom cürufu ile Geopolimer Çimento Üretiminin Araştırılması, 2011 - 2014

Scientific Refereeing

NATURAL HAZARDS, SCI Journal, October 2022
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY - TRANSACTIONS OF CIVIL ENGINEERING, SCI Journal, October 2022
Kahramanmaraş Sutcu Imam University Journal of Engineering Sciences, National Scientific Refreed Journal, August 2022
American Society of Civil Engineers Practice Periodical on Structural Design And Construction, Journal Indexed in ESCI, August 2022
ADVANCES IN STRUCTURAL ENGINEERING, SCI Journal, August 2022
Advances in Architectural Engineering, An International Journal, Journal Indexed in ESCI, March 2022
GEOHERITAGE, SCI Journal, March 2022
Journal of Engineering and Applied Science, Journal Indexed in ESCI, November 2021
ADVANCES IN STRUCTURAL ENGINEERING, Journal Indexed in SCI-E, July 2020
ADVANCES IN STRUCTURAL ENGINEERING, Journal Indexed in SCI-E, October 2019
JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCI-E, February 2019

Metrics

Publication: 40
Citation (WoS): 203
Citation (Scopus): 108
H-Index (WoS): 5
H-Index (Scopus): 3