

Assoc. Prof. ALİ MARDANİ



Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: C-7860-2015

ScopusID: 58898851200

Yoksis Researcher ID: 366458



Education Information

Doctorate, Ege University, Faculty Of Engineering, İnşaat Mühendisliği Bölümü, Turkey
2011 - 2016

Postgraduate, Ege University, Faculty Of Engineering, İnşaat Mühendisliği Bölümü,
Turkey 2009 - 2011

Undergraduate, Islamic Azad University, Mühendislik Fakültesi/İnşaat Mühendisliği
Bölümü, Iran 2003 - 2008

Biography

He received his Bachelor's Degree from Orumiye Azad Islamic University, Master's and Doctorate Degrees from Ege University Civil Engineering Department. He won a scholarship provided by the Turkish Cement Manufacturers Association during his Ph. D. It has more than 170 publications including 95 SCI journal articles, 98 conference papers, and 2298 citations. In addition to the 1 TUBITAK 1001 (Scientific and Technological Research Council of Turkey) projects that he is still the executive, he took part in 9 different TUBITAK projects in total. In addition to the 6 BAP (Bursa Uludağ University Scientific Research Projects Centre) projects he is currently executing, he conducted a total of 27 BAP projects. From 2004 to 2006, he worked as Assistant Site Chief at Iran Shanlı Yol in Iran Orumiye, and as a Site Manager in the same company from 2006 to 2008. Since 2019, he has been working as an Associate Professor Doctor at Bursa Uludağ University, where he started working as an Assistant Professor Doctor in 2016. He continues his research in the fields of Concrete Technology, Material Science, Building Material, Concrete Durability, and Cement-Admixture Compatibility.

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Portland çimentosu ve süperakışkanlaştırıcı katkı uyumunun incelenmesi, Ege University, Mühendislik

Fakültesi, İnşaat Mühendisliği Bölümü, 2016

Postgraduate, Uçucu küllü silindirle sıkıştırılmış betonlarda dayanıklılık, Ege University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2011

Research Areas

Civil Engineering

Academic Titles / Tasks

Associate Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2019 - Continues

Assistant Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2016 - 2019

Academic and Administrative Experience

Head of Department, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2020 - Continues

Head of Department, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2016 - 2020

Courses

BETON TEKNOLOJİSİ, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

DENEYSEL TASARIM, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

KİMYASAL KATKILAR, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

YAPI MALZEMELERİ TESTLERİ, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Malzeme Bilimi, Undergraduate, 2022 - 2023

ÖZEL BETONLAR, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

YAPI MALZEMESİ, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

BİTİRME TEZİ, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Çimentolu Sistemlerin Reolojik Özellikleri, Doctorate, 2021 - 2022

Fars Dili ve Edebiyatı, Undergraduate, 2021 - 2022

MALZEME BİLİMİ, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

İLERİ BETON TEKNOLOJİSİ, Postgraduate, 2020 - 2021

BETONUN BOYUTSAL KARARLIĞI, Doctorate, 2017 - 2018

Advising Theses

Mardani A., Yüksek Oranda Uçucu Kül İçeren Silindirle Sıkıştırılmış Betonlarda Katmanlar Arası Soğuk Derz Oluşumunun İncelenmesi, Doctorate, S.Husein(Student), 2023

Mardani A., Su Azaltıcı Katkı Zincir Uzunluklarının Farklı C3A İçeriğine Sahip Çimentolu Sistemlerin Davranışına Etkisi, Doctorate, V.Kobyas(Student), 2023

Mardani A., Su Azaltıcı Katkı Anyonik Monomer Değişiminin Farklı C3A İçeriğindeki Çimentolu Sistemlerin Davranışına Etkisi, Doctorate, K.Karakuzu(Student), 2023

Mardani A., İnan Sezer G., ÜRE KULLANIMININ ÇİMENTO ESASLI HARÇLARIN BAZI ÖZELLİKLERİNE ETKİSİ, Postgraduate, N.ÇAPAROĞLU(Student), 2023

Mardani Aghabaglou A., Farklı Tip Klinker Öğütme Kolaylaştırıcı Katkı Kullanımının Çimentolu Sistemlerin Özelliklerine Etkisi, Postgraduate, Y.KAYA(Student), 2022

Mardani Aghabaglou A., METAKAOLİN İÇEREN FARKLI C3A İÇERİĞİNE SAHİP ÇİMENTOLU SİSTEMLERİN TİKSOTROPİK ÖZELLİKLERİNİN ARAŞTIRILMASI, Postgraduate, Ö.BİRİCİK(Student), 2022

Mardani Aghabaglou A., Geri Dönüştürülmüş Beton Agregalarının Yol Temel ve Alttemel Tabakalarında Kullanılabilirliğinin Araştırılması, Postgraduate, B.AYTEKİN(Student), 2021

Mardani Aghabaglou A., FARKLI YÜZEY AKTİF KİMYASAL MADDESİ İÇEREN POLİKARBOKSİLAT ESASLI SU AZALTICI KATKI KULLANIMININ ÇİMENTOLU SİSTEMLERİN ÖZELLİKLERİNE ETKİSİ, Postgraduate, A.EMİN(Student), 2021

Mardani Aghabaglou A., YÜKSEK ORANDA SU AZALTICI KATKI KİMYASAL YAPISININ UÇUCU KÜL İÇEREN ÇİMENTOLU SİSTEMLERİN ÖZELLİKLERİNE ETKİSİ, Doctorate, M.GÖKHAN(Student), 2021

Mardani Aghabaglou A., Effect of macro synthetic polypropylene fiber utilization on some fresh and hardened properties of concrete mixtures, Postgraduate, M.RAHMAN(Student), 2020

Mardani A., Effect of high range water reducing admixture properties on behaviour of cementitious system, Doctorate, S.ÖZEN(Student), 2019

Mardani Aghabaglou A., Effect of utilization of air entraining and mineral admixtures on transport properties and freeze-thaw resistance of cementitious systems, Postgraduate, E.GEVEN(Student), 2019

MARDANI AGHABAGLOU A., Effect of shape and size of concrete specimen on strenght of concrete mixture in the absence and presence of fiber, Postgraduate, S.HUSEIN(Student), 2018

Mardani Aghabaglou A., Effect of utilization of fiber on the properties of self consolidating concrete, Postgraduate, H.AMIDOU(Student), 2018

MARDANI AGHABAGLOU A., Effect of utilization of drying-shrinkage reducing admixture and fiber on fresh state, mechanical and some durability properties of cementitious systems, Postgraduate, M.İLHAN(Student), 2018

Mardani Aghabaglou A., Effect of permeability reducing admixtures on fresh and hardened state properties of cementitious systems containing mineral admixture, Postgraduate, A.NEMATZADEH(Student), 2018

MARDANI AGHABAGLOU A., Effect of polycarboxylate based water reducing admixture anionic monomer change on the fresh state properties of cement paste and mortar mixtures, Postgraduate, M.BAYAR(Student), 2017

Jury Memberships

Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, August, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bursa Uludağ Üniversitesi, July, 2023

Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, June, 2023

Doctorate, Doctorate, Bursa Uludağ Üniversitesi, April, 2023

Doctorate, Doctorate, Bursa Uludağ Üniversitesi, April, 2023

Doctoral Examination, Doctoral Examination, Bursa Uludağ Üniversitesi, March, 2023

Doctorate, Doctorate, Bursa Uludağ Üniversitesi, March, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Bursa Uludağ Üniversitesi, February, 2023

Doctoral Examination, Doctoral Examination, Bursa Uludağ Üniversitesi, January, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bursa Uludağ Üniversitesi, October, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bursa Uludağ Üniversitesi, October, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bursa Uludağ Üniversitesi, October, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bursa Uludağ Üniversitesi, October, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Bursa Uludağ Üniversitesi, September, 2022

Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, September, 2022

Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, August, 2022

Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, October, 2019

Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, September, 2019
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, July, 2019
Post Graduate, Post Graduate, Bursa Teknik Üniversitesi, July, 2019
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, March, 2019
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bursa Uludağ Üniversitesi, March, 2019
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bursa Uludağ Üniversitesi, March, 2019
Post Graduate, Post Graduate, Çanakkale Onsekiz Mart Üniversitesi, January, 2019
Post Graduate, Post Graduate, Çanakkale Onsekiz Mart Üniversitesi, January, 2019
Post Graduate, Post Graduate, Düzce Üniversitesi, January, 2019
Post Graduate, Post Graduate, Çanakkale Onsekiz Mart Üniversitesi, January, 2019
Post Graduate, Post Graduate, Düzce Üniversitesi, January, 2019
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bursa Uludağ Üniversitesi, December, 2018
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, September, 2018
Post Graduate, Post Graduate, Ege Üniversitesi, June, 2018
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, June, 2018
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, May, 2018
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bursa Uludağ Üniversitesi, March, 2018
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, September, 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Role of Anionic Group of Methylallyl Ether-Based PCEs on Behavior of Cementitious Systems with Various C3A Contents**
Karakuzu K., Kobya V., MARDANI A., FELEKOĞLU B., Ramyar K.
Journal of Materials in Civil Engineering, vol.36, no.7, 2024 (SCI-Expanded)
- II. **Investigation of anionic group characteristics of PCEs on the behavior of fly ash cementitious systems**
Karakuzu K., Kobya V., Mardani A., Felekoğlu B., Ramyar K.
ADVANCES IN CEMENT RESEARCH, vol.36, no.4, pp.1-14, 2024 (SCI-Expanded)
- III. **Innovative lightweight concrete: effect of fiber, bacteria and nanomaterials**
Beytekin H. E., Altun Ö. B., Mardani A., Sezer F. Ş.
IRANIAN POLYMER JOURNAL (ENGLISH EDITION), vol.33, no.6, pp.1-24, 2024 (SCI-Expanded)
- IV. **Rheological Properties and Thixotropic Behavior of Cementitious Systems Containing Different Fiber Types**
Kaya Y., BİRİCİK Ö., Bayqra S. H., MARDANI A.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.49, no.4, pp.5203-5223, 2024 (SCI-Expanded)
- V. **Effect of fiber type, size, and utilization rate on mechanical and thermal properties of lightweight concrete facade panels**
Beytekin H. E., Kaya Y., Mardani A., Sezer F.
STRUCTURAL CONCRETE, 2024 (SCI-Expanded)
- VI. **Influence of recycled concrete, marble, glass, and limestone powder, and utilization ratios on the compressive strength and alkali-silica reaction performance of mortar mixtures**
Aytekin B., Biricik Ö., Mardani A.
International Journal of Environmental Science and Technology, vol.21, no.6, pp.5585-5602, 2024 (SCI-Expanded)
- VII. **Effect of Silica Fume Utilization on Structural Build-Up, Mechanical and Dimensional Stability Performance of Fiber-Reinforced 3D Printable Concrete**

Şahin H. G., Mardani A., Beytekin H. E.

POLYMERS, vol.16, no.556, pp.1-22, 2024 (SCI-Expanded)

- VIII. **Multi-effect of fineness and replacement ratio of binders on thixotropic and some fresh state properties of cementitious systems, a comparative study**
Şahin H. G., Biricik Altun Ö., Mardani A.
Advanced Powder Technology, vol.35, no.2, 2024 (SCI-Expanded)
- IX. **Enhancing Mortar Mixtures with Bacterial Impregnation: Sustainable Approaches and Strength Improvement**
Yazıcı Ş., Aytekin B., Güller C., Mardani A.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY - TRANSACTIONS OF CIVIL ENGINEERING, vol.48, no.2, pp.1-16, 2024 (SCI-Expanded)
- X. **Evaluation of Fresh State, Rheological Properties, and Compressive Strength Performance of Cementitious System with Grinding Aids**
Kaya Y., Kobya V., Mardani A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.1, pp.1-15, 2024 (SCI-Expanded)
- XI. **Effect of polycarboxylate-based water-reducing admixture chains length on portland cement-admixture compatibility**
Kobya V., Karakuzu K., MARDANI A., FELEKOĞLU B., Ramyar K.
JOURNAL OF SUSTAINABLE CEMENT-BASED MATERIALS, no.1, pp.69-86, 2024 (SCI-Expanded)
- XII. **Use of recycled mortar as fine aggregates in pavement concrete applications**
Mardani A., Hatungimana D., Yazici Ş., Şahin H. G., Assaad J. J.
HELIYON, vol.10, no.2, pp.1-14, 2024 (SCI-Expanded)
- XIII. **Effect of fibre type and utilisation rate on dimensional stability and frost resistance of pavement mortar mixture**
Kaya Y., Biricik Ö., Bayqra S. H., Mardani A.
INTERNATIONAL JOURNAL OF PAVEMENT ENGINEERING, vol.24, no.1, 2023 (SCI-Expanded)
- XIV. **Research on modeling the thixotropic properties of cementitious systems using regression methods in machine learning**
Şahin H. G., Biricik Ö., Eser M., Mardani A., Bilgin M.
CONSTRUCTION AND BUILDING MATERIALS, vol.411, pp.1-14, 2023 (SCI-Expanded)
- XV. **Effects of Shrinkage Reducing Admixture and Polypropylene Fiber Utilization on Some Fresh State, Mechanical and Durability Properties of Khorasan Mortar**
İsafça-Kaya T., Karakuzu K., Özen S., Mardani A., Doğangün A.
INTERNATIONAL JOURNAL OF ARCHITECTURAL HERITAGE : CONSERVATION, ANALYSIS, AND RESTORATION, vol.8, pp.1-15, 2023 (SCI-Expanded)
- XVI. **Effect of waste binder material usage rate on thixotropic behaviour of cementitious systems**
Biricik Ö., Aytekin B., Mardani A.
Construction and Building Materials, vol.403, 2023 (SCI-Expanded)
- XVII. **Role of Anionic Group of Methylallyl Ether-Based PCEs on Behavior of Cementitious Systems with Various C3A Contents**
Karakuzu K., Kobya V., Mardani A., Felekoğlu B., Ramyar K.
JOURNAL OF MATERIALS IN CIVIL ENGINEERING, vol.36, no.4, pp.1-16, 2023 (SCI-Expanded)
- XVIII. **Performance assessment of recycled waste materials for use in unbound pavement Layers: A case study from Turkey**
Aytekin B., MARDANI A., Unsever Y. S.
CONSTRUCTION AND BUILDING MATERIALS, vol.402, 2023 (SCI-Expanded)
- XIX. **How does rheological behaviour affect the interlayer-bonding strength of 3DPC mixtures?**
Şahin H. G., MARDANI A.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, 2023 (SCI-Expanded)
- XX. **Usability of sustainable materials on bacteria-based self-healing in cementitious systems**
Yazıcı Ş., Güller C., Aytekin B., MARDANI A., Akkaya A.

JOURNAL OF INTELLIGENT MATERIAL SYSTEMS AND STRUCTURES, vol.34, no.17, pp.1998-2019, 2023 (SCI-Expanded)

- XXI. **Mechanical and Durability Performance of Macro Polypropylene Fibrous Concrete**
Latifi M. R., BİRİCİK Ö., MARDANI A.
IRANIAN POLYMER JOURNAL, vol.32, no.9, pp.1149-1164, 2023 (SCI-Expanded)
- XXII. **Assessment of mechanical properties of fiber reinforced cementitious system exposed to high temperature**
Biricik Ö., Bayqra S. H., Kaya Y., Mardani A.
STRUCTURAL CONCRETE, vol.24, no.4, pp.4733-4750, 2023 (SCI-Expanded)
- XXIII. **Mechanical properties, durability performance and interlayer adhesion of 3DPC mixtures: A state-of-the-art review**
Şahin H. G., Mardani A.
STRUCTURAL CONCRETE, vol.24, no.4, pp.5481-5505, 2023 (SCI-Expanded)
- XXIV. **Effect of Chain Characteristics of Polycarboxylate-Based Water-Reducing Admixtures on Behavior of Cementitious Systems: A Review**
Koby V., Karakuzu K., MARDANI A., FELEKOĞLU B., Ramyar K.
Journal of Materials in Civil Engineering, vol.35, no.8, 2023 (SCI-Expanded)
- XXV. **Single and Multi Effects of Polycarboxylate Main and Side Chain Lengths on Setting Time, Viscosity, and Yield Stress of Cementitious Mixtures Containing Fly Ash**
ALTUN M. G., Ozen S., Karakuzu K., MARDANI A., Ramyar K.
JOURNAL OF MATERIALS IN CIVIL ENGINEERING, vol.35, no.7, 2023 (SCI-Expanded)
- XXVI. **Combined interaction of PCE chains lengths, C3A and water content in cementitious systems**
Koby V., Karakuzu K., MARDANI A., Felekog B., Ramyar K.
CONSTRUCTION AND BUILDING MATERIALS, vol.378, 2023 (SCI-Expanded)
- XXVII. **State-of-art review of bacteria-based self-healing concrete: Biomineralization process, crack healing, and mechanical properties**
Aytekin B., MARDANI A., Yazici S.
CONSTRUCTION AND BUILDING MATERIALS, vol.378, 2023 (SCI-Expanded)
- XXVIII. **Effect of delayed placement of layers on permeability and durability of roller-compacted concrete containing fly ash**
Bayqra S. H., Mardani A., Özen S., Ramyar K.
INTERNATIONAL JOURNAL OF PAVEMENT ENGINEERING, vol.24, no.2, pp.1-16, 2023 (SCI-Expanded)
- XXIX. **Utilization of high-range water reducing admixture having air-entraining agents in cementitious systems**
Sahin H. G., Mardani A., Ozen S., Emin A.
JOURNAL OF BUILDING ENGINEERING, vol.64, 2023 (SCI-Expanded)
- XXX. **Flowability, Strength, and Water Absorption of Mortars Containing Fly Ash and WRA Having Varying Main Chain Lengths**
Altun M. G., Özen S., Mardani A., Ramyar K.
JOURNAL OF MATERIALS IN CIVIL ENGINEERING, vol.35, no.4, 2023 (SCI-Expanded)
- XXXI. **Effect of metakaolin utilization ratio and loop method-pre-shearing process variation on rheological properties of cementitious systems having different C3A content**
BİRİCİK Ö., Sahin H. G., MARDANI A.
CEMENT & CONCRETE COMPOSITES, vol.136, 2023 (SCI-Expanded)
- XXXII. **Assessment of mechanical properties of steel fiber reinforced mortar mixtures containing lightweight aggregates improved by bacteria**
Yazici S., Ayekin B., Mardani Aghabaglou A., Guller C.
JOURNAL OF SUSTAINABLE CEMENT-BASED MATERIALS, vol.12, no.2, pp.97-115, 2023 (SCI-Expanded)
- XXXIII. **Limestone replacements by fine crushed concrete and ceramic wastes during the production of Portland cement**
Assaad J. J., MARDANI A.

- JOURNAL OF SUSTAINABLE CEMENT-BASED MATERIALS, vol.12, no.11, pp.1447-1459, 2023 (SCI-Expanded)
- XXXIV. **Effect of Colemanite Ore Wastes Utilization on Fresh Properties and Compressive Strength of Cementitious Systems**
 Özen S., Durgun M. Y., Kobya V., Karakuzu K., Mardani A.
 ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.47, no.10, pp.12873-12887, 2022 (SCI-Expanded)
- XXXV. **Effect of Water-Reducing Admixtures Having Hybrid Silicon Air-Entraining Surfactants on Some Properties of Concrete Mixtures**
 Emin A., Özen S., Mardani A., Ünlü A., Kaptı T.
 JOURNAL OF MATERIALS IN CIVIL ENGINEERING, vol.34, no.9, 2022 (SCI-Expanded)
- XXXVI. **Multi-effect of superplasticisers main and side-chain length on cementitious systems with fly ash**
 Ozen S., Altun M. G., MARDANI AGHABAGLOU A., Ramyar K.
 MAGAZINE OF CONCRETE RESEARCH, vol.74, no.14, pp.727-739, 2022 (SCI-Expanded)
- XXXVII. **Parameters affecting thixotropic behavior of self compacting concrete and 3D printable concrete; a state-of-the-art review**
 Biricik Ö., Mardani Aghabaglou A.
 CONSTRUCTION AND BUILDING MATERIALS, vol.339, 2022 (SCI-Expanded)
- XXXVIII. **Effect of amine and glycol-based grinding aids utilization rate on grinding efficiency and rheological properties of cementitious systems**
 Kobya V., Kaya Y., MARDANI AGHABAGLOU A.
 JOURNAL OF BUILDING ENGINEERING, vol.47, 2022 (SCI-Expanded)
- XXXIX. **Sustainable Materials: A Review of Recycled Concrete Aggregate Utilization as Pavement Material**
 Aytakin B., Mardani Aghabaglou A.
 TRANSPORTATION RESEARCH RECORD, vol.2676, no.3, pp.468-491, 2022 (SCI-Expanded)
- XL. **Effect of main and side chain length change of polycarboxylate-ether-based water-reducing admixtures on the fresh state and mechanical properties of cementitious systems**
 Özen S., Altun M. G., Mardani A., Ramyar K.
 STRUCTURAL CONCRETE, vol.22, pp.607-618, 2022 (SCI-Expanded)
- XLI. **Effect of the addition of polypropylene fiber on concrete properties**
 Latifi M. R., BİRİCİK Ö., MARDANI AGHABAGLOU A.
 JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.36, no.4, pp.345-369, 2022 (SCI-Expanded)
- XLII. **Effect of high temperature on polypropylene fiber-reinforced mortars containing colemanite wastes**
 Durgun M. Y., Ozen S., Karakuzu K., Kobya V., Bayqra S. H., MARDANI AGHABAGLOU A.
 CONSTRUCTION AND BUILDING MATERIALS, vol.316, 2022 (SCI-Expanded)
- XLIII. **Polycarboxylate-based water reducing admixture - clay compatibility; literature review**
 Sahin H. G., Biricik Ö., Mardani Aghabaglou A.
 JOURNAL OF POLYMER RESEARCH, vol.29, no.1, 2022 (SCI-Expanded)
- XLIV. **Physical and mechanical properties of high volume fly ash roller compacted concrete pavement (A laboratory and case study)**
 Bayqra S. H., Mardani Aghabaglou A., Ramyar K.
 CONSTRUCTION AND BUILDING MATERIALS, vol.314, 2022 (SCI-Expanded)
- XLV. **Effect of High-Range Water-Reducing Admixture Chain Lengths on Self-Consolidating Concrete**
 Özen S., Altun . G., Mardani Aghabaglou A., Ramyar K.
 ACI MATERIALS JOURNAL, vol.119, no.1, pp.29-38, 2022 (SCI-Expanded)
- XLVI. **Effect of delayed placement of layers on permeability and durability of roller-compacted concrete containing fly ash**
 Bayqra S. H., Mardani A., Ozen S., Ramyar K.
 INTERNATIONAL JOURNAL OF PAVEMENT ENGINEERING, vol.24, no.2, 2022 (SCI-Expanded)
- XLVII. **Assessment of materials, design parameters and some properties of 3D concrete a state-of-the-art review**
 Şahin H. G., Mardani Aghabaglou A.
 CONSTRUCTION AND BUILDING MATERIALS, vol.316, 2022 (SCI-Expanded)

- XLVIII. Specimen size and shape effects on strength of concrete in the absence and presence of steel fibers**
Mardani A., Bayqara S. H., Nobakhtjoo A.
REVISTA DE LA CONSTRUCCION, vol.20, no.1, pp.128-144, 2022 (SCI-Expanded)
- XLIX. Effects of material properties on the mechanical and durability behaviors of Khorasan mortar mixtures: a review**
Isafca T., Karakuzu K., Ozen S., DOĞANGÜN A., MARDANI AGHABAGLOU A.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.35, no.23, pp.2507-2528, 2021 (SCI-Expanded)
- L. Adsorption properties of polycarboxylate ether-based high range water reducing admixture on cementitious systems: A review**
Karakuzu K., Kobya V., MARDANI AGHABAGLOU A., FELEKOĞLU B., Ramyar K.
CONSTRUCTION AND BUILDING MATERIALS, vol.312, 2021 (SCI-Expanded)
- LI. Effect of mineral additives and permeability reducing admixtures having different action mechanisms on mechanical and durability performance of cementitious systems**
Nematzadeh A., AYTEKİN B., MARDANI AGHABAGLOU A.
FRONTIERS OF STRUCTURAL AND CIVIL ENGINEERING, vol.15, no.5, pp.1277-1291, 2021 (SCI-Expanded)
- LII. Assessment and prediction of cement paste flow behavior; Marsh-funnelflow time and mini-slump values**
Mardani Aghabaglou A., Öztürk H. T., Kankal M., Ramyar K.
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- LIII. Effects of anionic monomer type of water-reducing admixture on fresh properties, compressive strength and water adsorption of self-compacting concrete**
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