

Arş. Gör. ÖZTUR BİRİCİK ALTUN

Kişisel Bilgiler

İş Telefonu: [+90 224 294 0906](tel:+902242940906)

E-posta: oznurbiricik@uludag.edu.tr

Web: <https://avesis.uludag.edu.tr/oznurbiricik>

Uluslararası Araştırmacı ID'leri

ScholarID: jLboK0UAAAA

ORCID: 0000-0003-4884-7350

Publons / Web Of Science ResearcherID: JPK-8822-2023

ScopusID: 57223850116

Yoksis Araştırmacı ID: 309644

Eğitim Bilgileri

Doktora, Bursa Uludağ Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, Türkiye 2022 - Devam Ediyor

Yüksek Lisans, Bursa Uludağ Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, Türkiye 2020 - 2022

Lisans, Yıldız Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 2015 - 2019

Araştırma Alanları

Yapı Malzemesi, Malzeme Bilimi ve Mühendisliği, Kimya

Akademik Unvanlar / Görevler

Araştırma Görevlisi, Bursa Uludağ Üniversitesi, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2020 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Innovative lightweight concrete: effect of fiber, bacteria and nanomaterials**
Beytekin H. E., Altun Ö., Mardani A., Sezer F.
IRANIAN POLYMER JOURNAL, cilt.33, sa.9, ss.1327-1350, 2024 (SCI-Expanded)
- 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, cilt.49, sa.4, ss.5203-5223, 2024 (SCI-Expanded)
- 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, cilt.21, sa.6, ss.5585-5602, 2024 (SCI-Expanded)
- 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, cilt.35, sa.2, 2024 (SCI-Expanded)

- V. **Research on modeling the thixotropic properties of cementitious systems using regression methods in machine learning**
Sahin H. G., BİRİCİK ALTUN Ö., ESER M., MARDANI A., BİLGİN M.
CONSTRUCTION AND BUILDING MATERIALS, cilt.411, 2024 (SCI-Expanded)
- VI. **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, cilt.24, sa.1, 2023 (SCI-Expanded)
- VII. **Effect of waste binder material usage rate on thixotropic behaviour of cementitious systems**
Biricik Ö., Aytakin B., Mardani A.
Construction and Building Materials, cilt.403, 2023 (SCI-Expanded)
- VIII. **Mechanical and Durability Performance of Macro Polypropylene Fibrous Concrete**
Latifi M. R., BİRİCİK Ö., MARDANI A.
IRANIAN POLYMER JOURNAL, cilt.32, sa.9, ss.1149-1164, 2023 (SCI-Expanded)
- IX. **Assessment of mechanical properties of fiber reinforced cementitious system exposed to high temperature**
Biricik Ö., Bayqra S. H., Kaya Y., Mardani A.
STRUCTURAL CONCRETE, cilt.24, sa.4, ss.4733-4750, 2023 (SCI-Expanded)
- X. **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, cilt.136, 2023 (SCI-Expanded)
- XI. **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, cilt.339, 2022 (SCI-Expanded)
- XII. **Effect of the addition of polypropylene fiber on concrete properties**
Latifi M. R., BİRİCİK Ö., MARDANI AGHABAGLOU A.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, cilt.36, sa.4, ss.345-369, 2022 (SCI-Expanded)
- XIII. **Polycarboxylate-based water reducing admixture - clay compatibility; literature review**
Sahin H. G., Biricik Ö., Mardani Aghabaglou A.
JOURNAL OF POLYMER RESEARCH, cilt.29, sa.1, 2022 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Effect of air-entraining admixture usage rate on dynamic yield stress and viscosity in Portland cement systems containing urea**
Biricik Ö., Çaparoglu N., Mardani A.
European Journal of Engineering and Natural Sciences (EJENS), cilt.8, sa.1, ss.57-64, 2023 (Hakemli Dergi)
- II. **The Effect of Clay Type, Fineness and Methylene Blue Value on Mini-Slump Performance of Cementitious Systems**
Şahin F., BİRİCİK Ö., MARDANI A.
The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM), cilt.23, ss.539-547, 2023 (Hakemli Dergi)
- III. **Effect of Boron Waste on Mechanical and Durability Properties of Concrete**
Biricik Ö., Özen S., Mardani A.
European Journal of Engineering and Natural Sciences (EJENS), cilt.8, sa.1, ss.49-56, 2023 (Hakemli Dergi)
- IV. **Effect of Urea Usage Rate on Thixotropic Behavior of Cementitious Systems**
Çaparoglu N., Biricik Ö., Mardani A.

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **The Effect of Clay Type, Fineness and Methylene Blue Value on MiniSlump Performance of Cementitious Systems**
Şahin F., Biricik Ö., Mardani A.
ICRETS 2023: International Conference on Research in Engineering, Technology and Science, Budapest, Macaristan, 6 - 09 Temmuz 2023, cilt.23, ss.539-547
- II. **Effect of Urea Usage Rate on Thixotropic Behavior of Cementitious Systems**
Çaparoglu N., BİRİCİK Ö., MARDANI A.
ICRETS 2023: International Conference on Research in Engineering, Technology and Science, Budapest, Macaristan, 6 - 09 Temmuz 2023, cilt.23, ss.173-178
- III. **Effect of air-entraining admixture usage rate on dynamic yield stress and viscosity in Portland cement systems containing urea**
BİRİCİK Ö., Çaparoglu N., MARDANI A.
9th International Conference On Engineering And Natural Sciences (ICENS 2023), Bosna-Hersek, 17 - 21 Mayıs 2023, ss.28-36
- IV. **Effect of Boron Waste on Mechanical And Durability Properties Of Concrete**
BİRİCİK Ö., ÖZEN S., MARDANI A.
9th International Conference On Engineering And Natural Sciences (ICENS 2023), Bosna-Hersek, 17 - 21 Mayıs 2023, ss.17-21
- V. **Utilization of Waste Powder In Cementitious Systems**
Biricik Ö., Aytakin B., Mardani A.
8 th International Black Sea Coastline Countries Scientific Research Conference, Sofija, Bulgaristan, 29 Ağustos 2022, ss.545-565
- VI. **Effect of Limestone Powder Fineness and Substitution Ratio on The Rheological Properties of Cementitious Systems**
Aytakin B., Biricik Ö., Mardani A.
VI-International European Conference on Interdisipliner Scientific Research, Bucuresti, Romanya, 26 Ağustos 2022, ss.222-235
- VII. **Nanomaterials Utilization Effect on Modulus of Elasticity of Cementitious Systems**
Biricik Ö., Mardani A.
VI-International European Conference on Interdisipliner Scientific Research, Bucuresti, Romanya, 26 Ağustos 2022, ss.236-243
- VIII. **Farklı Tür Atık Toz Malzeme Kullanımının Çimentolu Sistemlerin Priz Süresi ve Akış Özelliklerine Etkisi**
Biricik Ö., Aytakin B., Mardani A.
The 14th International Scientific Research Congress, Ankara, Türkiye, 20 - 21 Ağustos 2022, ss.284-295
- IX. **Investigation of high range water-reducing admixture requirement in cementitious systems containing fly ash with different utilization ratio and fineness**
Şahin H. G., BİRİCİK Ö., MARDANI A.
International Conference on Technology, Engineering and Science, IConTES 2022, Antalya, Türkiye, 16 - 19 Kasım 2022, cilt.21, ss.388-395
- X. **Effect of Fiber Type And Utilization Rate on Permeability Properties And Freeze-Thaw Resistance of Mortar Mixtures**
BİRİCİK Ö., Kaya Y., Bayqara S. H., MARDANI AGHABAGLOU A.
EJONS 12th International Conference on Mathematics, Engineering, Natural & Medical Sciences, Paris, Fransa, 09 Temmuz 2021

- XI. **Thixotropic properties of Cementitious Systems: Importance and Measurement Methods**
BİRİCİK Ö., Şahin H. G., MARDANI AGHABAGLOU A.
3rd International April 23 Scientific Studies Congress, Ankara, Türkiye, 23 Nisan 2021
- XII. **Bacteria-Based Self-Healing in Cementitious Systems; Literature Review**
MARDANI AGHABAGLOU A., AYTEKİN B., BİRİCİK Ö., Şahin H. G.
5th International Congress of Academic Research (ICAR 2021), Elazığ, Türkiye, 19 Nisan 2021
- XIII. **A Research on the Parameters Affecting the Action Performance of Air-entraining Admixtures; Literature Review**
Şahin H. G., BİRİCİK Ö., MARDANI AGHABAGLOU A.
International Congress on Sciences and Engineering for Sustainability (INARS 2021), İstanbul, Türkiye, 16 Nisan 2021
- XIV. **Study on the Acceptance Criteria and the Effect of Materials Used in the Composition of 3D Concrete Mixtures**
Şahin H. G., Biricik Ö., Mardani Aghabaglou A.
5th International Conference on Materials Engineering and Nano Sciences (ICMENS 2021), Osaka, Japonya, 23 - 25 Şubat 2021, ss.1
- XV. **Effect Of Fiber Type And Content On Some Hardened State Properties Of Cementitious Systems Exposed To High Temperature**
Kaya Y., Bayqara S. H., BİRİCİK Ö., MARDANI AGHABAGLOU A.
Middle East International Conference On Contemporary Scientific Studies-V, Ankara, Türkiye, 27 Mart 2021, ss.230
- XVI. **Effect of Fiber Type and Content on Fresh and Some Hardened State Properties of Cementitious Systems**
BİRİCİK Ö., Bayqara S. H., Kaya Y., MARDANI AGHABAGLOU A.
34th World Conference on Applied Science, Engineering & Technology (WCASET 2021), Dubai, Birleşik Arap Emirlikleri, 23 Mart 2021
- XVII. **The Enhancement Methods of Polycarboxylate-Based Water Reducing Admixture Performance in Systems Containing High Amount of Clay Literature Review**
Şahin H. G., Biricik Ö., Mardani Aghabaglou A.
6th International Conference on Engineering and Natural Science (ICENS), Belgrade, Sırbistan, 21 Ekim - 25 Aralık 2020, ss.14

Desteklenen Projeler

Mardani Aghabaglou A., Yavaş A., Yalçınkaya Ç., Biricik Ö., Yükseköğretim Kurumları Destekli Proje, İnşaat Uygulamaları için 3D Beton Yazıcı Kullanılarak Üretilen Beton Karışımlarının Optimum Özelliklerinin Belirlenmesi, 2021 - 2024
MARDANI A., AYTEKİN B., BİRİCİK Ö., Yükseköğretim Kurumları Destekli Proje, Farklı Tür ve Oranda Atık Malzeme İçeriğine Sahip Çimentolu Sistemlerin Tiksotropik Özelliklerinin Araştırılması, 2021 - 2022

Metrikler

Yayın: 34

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Atıf (Scopus): 159

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H-İndeks (Scopus): 5