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

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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. Ş.  
IRANIAN POLYMER JOURNAL, 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

Atf (WoS): 121

Atf (Scopus): 137

H-İndeks (WoS): 5

H-İndeks (Scopus): 5