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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Yıldız Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 2014 - 2018

Yüksek Lisans, Jawaharlal Nehru University, Mühendislik Fakültesi, İnşaat Mühendisliği, Hindistan 2011 - 2013

Lisans, University of Mustansiriyah, Mühendislik Fakültesi, İnşaat Mühendisliği, Irak 2005 - 2009

Yabancı Diller

İngilizce, C2 Ustalık

Fransızca, B1 Orta

Arapça, C2 Ustalık

Araştırma Alanları

İnşaat Mühendisliği, Yapı Malzemesi, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, İstanbul Gelişim Üniversitesi, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ (İNGİLİZCE), 2019 - Devam Ediyor

Akademik İdari Deneyim

Dekan Yardımcısı, İstanbul Gelişim Üniversitesi, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, 2022 - 2022

Bölüm Başkan Yardımcısı, İstanbul Gelişim Üniversitesi, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2021 - 2022

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Effect of ceramic waste powder content and sodium hydroxide molarity on the residual mechanical strength of alkali-activated mortars

Erol F., MEHMETOĞLU M., AYGÖRMEZ Y., NİŞ A.

Materials Chemistry and Physics, cilt.309, 2023 (SCI-Expanded)

- II. **Mechanical and durability properties of steel, polypropylene and polyamide fiber reinforced slag-based alkali-activated concrete**
Kuranlı Ö. F., UYSAL M., Abbas M. T., ÇOŞGUN T., Niş A., AYGÖRMEZ Y., CANPOLAT O., Al-mashhadani M.
European Journal of Environmental and Civil Engineering, cilt.27, sa.1, ss.114-139, 2023 (SCI-Expanded)
- III. **Combined effect of using steel fibers and demolition waste aggregates on the performance of fly ash/slag based geopolymer concrete**
Lakew A. M., CANPOLAT O., MEHMETOĞLU M., UYSAL M., NİŞ A., AYGÖRMEZ Y., Bayati M.
European Journal of Environmental and Civil Engineering, cilt.27, sa.15, ss.4251-4278, 2023 (SCI-Expanded)
- IV. **Mechanical and durability of geopolymer concrete containing fibers and recycled aggregate**
Mohamed A. Y., CANPOLAT O., Al-Mashhadani M.
Computers and Concrete, cilt.30, sa.6, ss.421-432, 2022 (SCI-Expanded)
- V. **Investigation of mechanical and durability properties of brick powder-added White Cement composites with three different fibers**
Alcharchafche M. A. S., Al-mashhadani M., AYGÖRMEZ Y.
Construction and Building Materials, cilt.347, 2022 (SCI-Expanded)
- VI. **Evaluation of slag/fly ash based geopolymer concrete with steel, polypropylene and polyamide fibers**
Kuranlı Ö. F., UYSAL M., Abbas M. T., ÇOŞGUN T., Niş A., AYGÖRMEZ Y., CANPOLAT O., Al-mashhadani M.
Construction and Building Materials, cilt.325, 2022 (SCI-Expanded)
- VII. **Effect of various NaOH molarities and various filling materials on the behavior of fly ash based geopolymer composites**
Al-mashhadani M., CANPOLAT O.
Construction and Building Materials, cilt.262, 2020 (SCI-Expanded)
- VIII. **Assessment of geopolymer composites durability at one year age**
AYGÖRMEZ Y., CANPOLAT O., Al-mashhadani M.
Journal of Building Engineering, cilt.32, 2020 (SCI-Expanded)
- IX. **Evaluation of the 12–24 mm basalt fibers and boron waste on reinforced metakaolin-based geopolymer**
Ali N., CANPOLAT O., AYGÖRMEZ Y., Al-Mashhadani M.
Construction and Building Materials, cilt.251, 2020 (SCI-Expanded)
- X. **Influence of wetting-drying curing system on the performance of fiber reinforced metakaolin-based geopolymer composites**
Arslan A. A., Uysal M., Yılmaz A., Al-mashhadani M., CANPOLAT O., Şahin F., AYGÖRMEZ Y.
Construction and Building Materials, cilt.225, ss.909-926, 2019 (SCI-Expanded)
- XI. **High-temperature behavior and mechanical characteristics of boron waste additive metakaolin based geopolymer composites reinforced with synthetic fibers**
Celik A., Yılmaz K., CANPOLAT O., MEHMETOĞLU M., AYGÖRMEZ Y., Uysal M.
Construction and Building Materials, cilt.187, ss.1190-1203, 2018 (SCI-Expanded)
- XII. **Effect of using colemanite waste and silica fume as partial replacement on the performance of metakaolin-based geopolymer mortars**
Uysal M., MEHMETOĞLU M., AYGÖRMEZ Y., CANPOLAT O.
Construction and Building Materials, cilt.176, ss.271-282, 2018 (SCI-Expanded)
- XIII. **Mechanical and microstructural characterization of fiber reinforced fly ash based geopolymer composites**
MEHMETOĞLU M., CANPOLAT O., AYGÖRMEZ Y., Uysal M., ERDEM S.
Construction and Building Materials, cilt.167, ss.505-513, 2018 (SCI-Expanded)

- I. **Strength Investigation of Slag-Based Geopolymer Composites Incorporating Different Amounts of Colemanite Waste and Silica Fume Under Different Exposure Conditions**
MEHMETOĞLU M.
Çukurova Üniversitesi Mühendislik Fakültesi dergisi, cilt.38, sa.3, ss.841-849, 2023 (Hakemli Dergi)
- II. **Strength and abrasion performance of recycled aggregate based geopolymer concrete**
LAKEW A. M., MEHMETOĞLU M., CANPOLAT O.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, cilt.40, ss.155-161, 2022 (ESCI)
- III. **Assessment of strength and abrasion resistance of elasto-plastic fiber reinforced concrete using geopolymer based recycled aggregates**
Mohamed A., CANPOLAT O., Al-Mashhadani M.
Environmental Research and Technology, cilt.4, sa.3, ss.244-248, 2021 (Scopus)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Steel fiber reinforced recycled aggregate geopolymer concrete: A mechanical assessment**
LAKEW A. M., CANPOLAT O., MEHMETOĞLU M.
6th International Conference on Green Design and Manufacture 2020, 23 Temmuz 2020
- II. **Mechanical performance of fly ash-GGBS elasto-plastic fiber reinforced geopolymer concrete containing recycled aggregates**
Mohamed A. Y., CANPOLAT O., MEHMETOĞLU M.
6th International Conference on Green Design and Manufacture 2020, 23 Temmuz 2020
- III. **Cement-Rice Husk Ash Mortars Fabricated with Different Superplasticizers: Investigation on Some Fresh State and Strength Properties**
MEHMETOĞLU M.
EJONS 14th INTERNATIONAL CONFERENCE ON MATHEMATIC, ENGINEERING AND NATURAL SCIENCES, 6 - 07 Temmuz 2022
- IV. **Strength Properties of Geopolymer Mortar Containing Binary and Ternary Blends of Metakaolin and Manufacturing By-Products**
Awad A., ÇUBUKÇUOĞLU B., AKÇAOĞLU T., CANPOLAT O., MEHMETOĞLU M.
4. ASIA PACIFIC INTERNATIONAL CONGRESS ON CONTEMPORARY STUDIES, 12 - 13 Aralık 2020
- V. **Bentonitin Geopolimer Üretiminde Kullanılabilirliğinin Araştırılması**
Kabirova A., UYSAL M., CANPOLAT O., ŞAHİN F., AYGÖRMEZ Y., MEHMETOĞLU M.
5. Uluslararası Öğrenci Sempozyumu, 6 - 08 Aralık 2019
- VI. **Fly ash based geopolymer composites partially replaced with silica fume: an experimental investigation**
MEHMETOĞLU M., CANPOLAT O., AYGÖRMEZ Y., UYSAL M., ŞAHİN F.
Fifth International Conference on Sustainable Construction Materials and Technologies, 14 - 17 Temmuz 2019
- VII. **Using different types of aggregates including waste concrete in the production of geopolymer mortars**
CANPOLAT O., ŞAHİN F., UYSAL M., MEHMETOĞLU M., AYGÖRMEZ Y.
Fifth International Conference on Sustainable Construction Materials and Technologies, 14 - 17 Temmuz 2019
- VIII. **Sulfate Resistance of Sustainable Geopolymer Mortars**
AYGÖRMEZ Y., CANPOLAT O., MEHMETOĞLU M., UYSAL M., ŞAHİN F.
Fifth International Conference on Sustainable Construction Materials and Technologies, 14 - 17 Temmuz 2019
- IX. **Mechanical and Durability Properties of Fly Ash Based Geopolymers Mortars with Different Filling Materials**
TAMMAM Y. M., CHAKKOR O., UYSAL M., CANPOLAT O., AYGÖRMEZ Y., MEHMETOĞLU M., ŞAHİN F.
4th Eurasian Conference on Civil and Environmental Engineering (ECOCEE), İstanbul, Türkiye, 17 - 18 Haziran 2019
- X. **Experimental Investigation of Engineering Properties of Metakaolin Based Geopolymer Mortars with**

Different Filling Materials

Kabirova A., UYSAL M., CANPOLAT O., ŞAHİN F., AYGÖRMEZ Y., MEHMETOĞLU M., PUL S.

4th Eurasian Conference on Civil and Environmental Engineering (ECOCEE), İstanbul, Türkiye, 17 Haziran 2019

- XI. **Experimental notes on the factors affecting the strength behavior of fly ash based geopolymer composites**

CANPOLAT O., AYGÖRMEZ Y., MEHMETOĞLU M., UYSAL M.

4th International Conference on Green Design and Manufacture 2018, 29 - 30 Nisan 2018

- XII. **Strength, physical, and long-term behavior of fly ash based geopolymers: An overview**

MEHMETOĞLU M.

4th International Conference on Green Design and Manufacture 2018, 29 - 30 Nisan 2018

- XIII. **Compressive and flexural strength behaviors of metakaolin based geopolymer mortars manufactured by different procedures**

AYGÖRMEZ Y., CANPOLAT O., MEHMETOĞLU M., UYSAL M.

4th International Conference on Green Design and Manufacture 2018, 29 - 30 Nisan 2018

Desteklenen Projeler

Niş A., Mehmetoğlu M., Yükseköğretim Kurumları Destekli Proje, Atık Malzemelerle Üretilen Farklı Geopolimer Harç

Numunelerinin Yüksek Sıcaklık Etkisi Altında Durabilite Performansının İncelenmesi, 2021 - 2022