

Res. Asst. PhD UĞUR DURAK

Personal Information

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Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilimdalı, Turkey 2016 - 2019

Post Graduate, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilimdalı, Turkey 2013 - 2015

Under Graduate, Erciyes Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği , Turkey 2006 - 2010

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Ulusal ve Uluslararası Fon Kaynakları ve Destek Mekanizmalarından Faydalanmak için Uygulamalı Proje Önerisi Yazma Eğitimi, Erciyes Teknoloji Transfer Ofisi, 2017

Education Management and Planning, Construction Project Management Certificate Program, New York University, 2012

Foreign Language, English As a Second Language, Kingsborough Community College, 2011

Foreign Language, English as a Second Language, Spanish-American Institute, 2010

Foreign Language, Work and Travel Programı, AMERİKA BİRLEŞİK DEVLETLERİ, 2010

Foreign Language, Work and Travel Programı, AMERİKA BİRLEŞİK DEVLETLERİ, 2009

Dissertations

Doctorate, INVESTIGATION OF THE INFLUENCE OF NANOPARTICLE ADDITIVES ON STRENGTH AND DURABILITY PROPERTIES OF GEOPOLYMER MORTAR, Erciyes University, Mühendislik Fakültesi, İnşaat Mühendisliği , 2019

Post Graduate, ZAYIF KAT VE YUMUŞAK KAT DÜZENSİZLİKLERİ ARASINDAKİ İLİŞKİNİN NÜMERİK VE DENEYSEL OLARAK ARAŞTIRILMASI, Erciyes University, Mühendislik Fakültesi, İnşaat Mühendisliği , 2015

Research Areas

Civil Engineering, Structure, Structural Engineering, Materials in Civil Engineering, Concrete Technology

Academic Titles / Tasks

Research Assistant, Erciyes Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2013 - Continues

Professional Experience

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Influence of nano SiO₂ and nano CaCO₃ particles on strength, workability, and microstructural properties of fly ash-based geopolymer**
DURAK U., KARAHAN O., UZAL B., İLKENTAPAR S., ATIŞ C. D.
STRUCTURAL CONCRETE, no.0, 2020 (Journal Indexed in SCI)
- **An investigation of resistance of sodium meta silicate activated slag mortar to acidic and basic mediums**
Bingöl Ş., Bilim C., Atiş C. D. , Durak U., İlkentapar S., Karahan O.
Revista de la Construccion, vol.19, pp.127-133, 2020 (Journal Indexed in SCI Expanded)
- **Durability Properties of Geopolymer Mortars Containing Slag**
Bingol S., Bilim C., ATIŞ C. D. , DURAK U.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, 2020 (Journal Indexed in SCI)
- **Resistance of polypropylene fibered mortar to elevated temperature under different cooling regimes**
KARAHAN O., DURAK U., İLKENTAPAR S., Atabey I. I. , ATIŞ C. D.
REVISTA DE LA CONSTRUCCION, vol.18, no.2, pp.386-397, 2019 (Journal Indexed in SCI)
- **Influence of waste marble powder as a replacement of cement on the properties of mortar**
Yamanel K., DURAK U., İLKENTAPAR S., Atabey I. I. , KARAHAN O., ATIŞ C. D.
REVISTA DE LA CONSTRUCCION, vol.18, no.2, pp.290-300, 2019 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- **Effect of Extra Air Curing Time on Compressive Strength of Fly Ash Geopolymers Containing Metakaolin**
Hataf Naji Alazzawi Z., Karahan O., Atabey İ. İ. , Durak U., İlkentapar S., Atiş C. D.
Uluslararası 10. Beton Kongresi, Bursa, Turkey, 2 - 04 May 2019, pp.36-41
- **The investigation of mechanical effects of nano sio₂ particles for different sodium ion concentrations on fly ash based geopolmer mortar**
DURAK U., KARAHAN O., UZAL B., İLKENTAPAR S., ATIŞ C. D.
13th Internatioanl Congress on Advances in Civil Engineering, 12 - 14 September 2018
- **The Investigation of Mechanical Effects of Nano SiO₂ Particles for Different Sodium Ion Concentrations on Fly Ash Based Geopolymer Mortar**
DURAK U., KARAHAN O., UZAL B., İLKENTAPAR S., ATIŞ C. D.
13TH INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING (ACE 2018), İzmir, Turkey, 12 - 14 September 2018, vol.0, no.0
- **Strength properties of fly ash and blast furnace slag-based geopolymer mortar**
Almaz Özcan Z., KARAHAN O., İLKENTAPAR S., DURAK U., ATIŞ C. D.
1. Internatioanl Techonolical Sciences and Design Symposium, Giresun, Turkey, 27 - 29 June 2018, no.0, pp.1645-1653
- **Investigation of Mechanical Effect of Addition High-Amount Nano-SiO₂ and Nano-CaCO₃ to the Cement Systems Containing High Volume Natural Zeolite and Pumice**
İLKENTAPAR S., UZAL B., KARAHAN O., KORKANÇ M., ATIŞ C. D. , DURAK U.
3. International Conference on Civil and Environmental Engineering, İzmir, Turkey, 24 - 27 April 2018, vol.1, pp.138
- **Effect of High Dosage Nanoparticles Addition on the Compressive and Flexural Strength on Cement**

Systems Containing a High Volume of Volcanic Tuff

İLKENTAPAR S., UZAL B., KARAHAN O., KORKANÇ M., ATIŞ C. D. , DURAK U.

3. International Conference on Civil and Environmental Engineering, İzmir, Turkey, 24 - 27 April 2018, vol.1, pp.137

Yüksek Fırın Cürüflü Geopolimer Harçlara Sıcak Kür Uygulanması

BİNGÖL Ş., BİLİM C., ATIŞ C. D. , DURAK U., İLKENTAPAR S., KARAHAN O.

EUROPEAN CONFERENCE ON SCIENCE, ART CULTURE, 19 - 22 April 2018

Yüksek Fırın Cürüflü Geopolimer Harçların Dayanım Özellikleri

Bingöl Ş., Bilim C., Atiş C. D. , İlkentapar S., Durak U., Karahan O.

EUROPEAN CONFERENCE ON SCIENCE, ART CULTURE, Antalya, Turkey, 19 - 22 April 2018, pp.22

Strength Development of Fly Ash-Based Sodium Meta-Silicate and Heat Activated Geopolymer Mortar

Atiş C. D. , Ali O. A. , Durak U., İlkentapar S., Karahan O.

I. Uluslararası Bilimsel Çalışmalarda Yenilikçi Yaklaşımlar Sempozyumu, Antalya, Turkey, 11 - 13 April 2018, vol.2, pp.11-12

The Investigation of Mechanical Effects of Nano Al₂O₃ Particles For Fly Ash Based Geopolymer Mortar

DURAK U., KARAHAN O., UZAL B., İLKENTAPAR S., ATIŞ C. D.

Ist International Symposium on Innovative Approaches in Scientific Studies, Antalya, Turkey, 11 - 13 April 2018, vol.2, pp.10

Nano SiO₂ ve nano CaCO₃'ın geopolimer harçların dayanım özelliklerine etkisi

Durak U., Karahan O., Uzal B., İlkentapar S., Atiş C. D.

2nd INTERNATIONAL MEDITERRANEAN SCIENCE AND ENGINEERING CONGRESS (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, vol.0, no.0, pp.1679

Influence of Incubation Period on Strength Development of NaOH and Heat Cured Fly Ash Based Geopolymer Mortar

DURAK U., İLKENTAPAR S., ATABEY İ. İ. , KARAHAN O., ATIŞ C. D.

2nd International Conference on Civil and Environmental Engineering (ICOCEE - Cappadocia), Nevşehir, Turkey, 8 - 10 May 2017, pp.1021

Numerical Study of Influence of Infill Walls on the Vertical Irregularity Limit of Turkish Seismic Code

DURAK U., AYDIN K.

World Congress on Civil, Structural, and Environmental Engineering, Prag, Czech Republic, 30 - 31 March 2016

Supported Projects

İLKENTAPAR S., UZAL B., KARAHAN O., ATIŞ C. D. , DURAK U., Project Supported by Higher Education Institutions, Alkali İle Aktive Edilmiş Uçucu Kül Geopolimer Harcının Mekanik Özellikleri Üzerine Taze Hal Kuluçka Süresi ve Isıl Kür Süresinin Etkisi, 2018 - 2019

KARAHAN O., DURAK U., Project Supported by Higher Education Institutions, Nano Parçacık Katkıların Geopolimer Harcın Dayanım ve Dayanıklılık Özelliklerine Etkisinin Araştırılması, 2018 - 2019

AYDIN K., DURAK U., Project Supported by Higher Education Institutions, ZAYIF KAT VE YUMUŞAK KAT DÜZENSİZLİKLERİ ARASINDAKİ İLİŞKİNİN NÜMERİK VE DENEYSEL OLARAK ARAŞTIRILMASI, 2015 - 2016

Invited Congress and Symposium Activities

13TH International Congress on Advances in Civil Engineering (ACE 2018) 2018 | İZMİR, TURKEY, Attendee, İzmir, Turkey, 2018

Ist International Symposium on Recent Advances in Vocational Sciences, (ISAS 2018), Antalya, TURKEY, Attendee, Antalya, Turkey, 2018

2nd International Mediterranean Science And Engineering Congress (Imsec 2017) Çukurova University, Attendee, Adana, Turkey, 2017

International Conference On Civil And Environmental Engineering (Icocee) 8-10 May 2017, Cappadocia, Attendee, Nevşehir, Turkey, 2017

World Congress on Civil, Structural, and Environmental Engineering, Prag, CZECH REPUBLIC, Attendee, Praha, Czech Republic, 2016

Awards

DURAK U., Erciyes Üniversitesi Mühendislik Fakültesi İnşaat Mühendisliği Bölümü Birinciliği, Erciyes Üniversitesi Mühendislik Fakültesi, June 2010

DURAK U., Erciyes Üniversitesi Mühendislik Fakültesi Birinciliği, Erciyes Üniversitesi, June 2010