# Asst. Prof. ENES EKİNCİ

## Personal Information

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## Education Information

Doctorate, Inonu University, Mühendislik Fakültesi, Yapı Anabilim Dalı, Turkey 2018 - 2022
Postgraduate, Inonu University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 2016 - 2017

## Research Areas

Civil Engineering, Building materials, Materials in Civil Engineering, Concrete Technology, Engineering and Technology

## Academic Titles / Tasks

Assistant Professor, Inonu University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2022 - Continues
Research Assistant, Inonu University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2016 - Continues

## Courses

Yapı İşlerinde İş Şağlığı ve Güvenliği, Associate Degree, 2022-2023
Yapı Malzemesi, Undergraduate, 2022-2023
Beton Katkı Maddeleri, Undergraduate, 2022-2023
Yapıların Yalıtımı, Undergraduate, 2022-2023
İş Güvenliği ve Mühendislik Etiği, Undergraduate, 2022-2023
Yapı Malzemelerinin İç Yapısı ve Özellikleri, Undergraduate Double Major, 2022-2023

## Published journal articles indexed by SCI, SSCI, and AHCI

I. **The effects of different production parameters (NaOH concentration, curing regime and replacement ratio of recycled aggregate) on fresh, hardened and elevated temperature performance of geopolymer mortar samples**
Ekinci E.
JOURNAL OF BUILDING ENGINEERING, vol.76, pp.1-22, 2023 (SCI-Expanded)

II. **Effect of Silica Fume and Waste Rubber on The Performance Of Slag Based Geopolymer Concretes Under High Temperatures**
Sağır M. A., Karakoç M. B., Özcan A., Ekinci E., Yolcu A.
STRUCTURAL CONCRETE, vol.1, no.1, pp.1-19, 2023 (SCI-Expanded)

III. **Production parameters of novel geopolymer masonry mortar in heritage buildings: Application in masonry building elements**
Maraş M. M., Kutlusoy E., Ekinci E., Rihawi B.
JOURNAL OF BUILDING ENGINEERING, vol.76, no.1, pp.1-17, 2023 (SCI-Expanded)

IV. **Effect of binder dosage and the use of waste rubber fiber on the mechanical and durability performance of geopolymer concrete**
Yolcu A., Karakoç M. B., Ekinci E., Özcan A., Sağır M. A.
JOURNAL OF BUILDING ENGINEERING, vol.61, pp.1-19, 2022 (SCI-Expanded)

V. **Mechanical and durability characteristics of GGBS-based self-healing geopolymer mortar produced using by an endospore-forming bacterium**
Ekinci E., Türkmen İ., Birhanlı E.
JOURNAL OF BUILDING ENGINEERING, vol.57, no.104944, pp.1-22, 2022 (SCI-Expanded)

VI. **Performance of self-healing geopolymer paste produced using Bacillus subtilis**
EKİNCİ E., Tuerkmen I., BİRHANLI E.
CONSTRUCTION AND BUILDING MATERIALS, vol.325, 2022 (SCI-Expanded)

VII. **Improving elevated temperature performance of geopolymer concrete utilizing nano-silica, micro-silica and styrene-butadiene latex**
KANTARCI F., TÜRKMEN İ., EKİNCİ E.
CONSTRUCTION AND BUILDING MATERIALS, vol.286, 2021 (SCI-Expanded)

VIII. **Influence of various factors on properties of geopolymer paste: A comparative study**
KANTARCI F., TÜRKMEN İ., EKİNCİ E.
STRUCTURAL CONCRETE, 2020 (SCI-Expanded)

IX. **Optimization of production parameters of geopolymer mortar and concrete: A comprehensive experimental study**
KANTARCI F., TÜRKMEN İ., EKİNCİ E.
CONSTRUCTION AND BUILDING MATERIALS, vol.228, 2019 (SCI-Expanded)

X. **The improvement of mechanical, physical and durability characteristics of volcanic tuff based geopolymer concrete by using nano silica, micro silica and Styrene-Butadiene Latex additives at different ratios**
EKİNCİ E., TÜRKMEN İ., KANTARCI F., KARAKOÇ M. B.
CONSTRUCTION AND BUILDING MATERIALS, vol.201, pp.257-267, 2019 (SCI-Expanded)

## Articles Published in Other Journals

I. **Farklı Aktivatör Ve Ham Madde Değişkenlerinin Geopolimer Hamurun Basınç Dayanımına Etkisinin İncelenmesi**
EKİNCİ E., TÜRKMEN İ.
Avrupa Bilim ve Teknoloji Dergisi, vol.24, pp.169-175, 2021 (Peer-Reviewed Journal)

II. **Effect Of Silica Modulus On Compressive Strength Of Volcanic Tuff Based Geopolymer Concrete**
EKİNCİ E., KANTARCI F., KARAKOÇ M. B., TÜRKMEN İ.
International Journal of Advances in Mechanical and Civil Engineering, vol.5, no.6, pp.34-36, 2018 (Peer-Reviewed Journal)

III. **Effect Of Curing Temperatures And NaOH Concentrations On Compressive Strength Of Geopolymer Pastes Produced From Elazığ Ferrochrome Slag**
KARAKOÇ M. B., TÜRKMEN İ., EKİNCİ E., KANTARCI F.
International Journal of Mechanical And Production Engineering, vol.5, no.12, pp.89-91, 2018 (Peer-Reviewed Journal)

IV. **Effect Of NaOH Concentrations And Curing Temperatures On Mechanical Properties Of Geopolymer Pastes Produced From Fly Ash And Elaziğ Ferrochrome Slag**
TÜRKMEN İ., KARAKOÇ M. B., KANTARCI F., EKİNCİ E.

International Journal of Mechanical And Production Engineering, vol.5, no.12, pp.97-99, 2018 (Peer-Reviewed Journal)

V. **EFFECT OF CURING TEMPERATURES AND NAOH CONCENTRATIONS ON COMPRESSIVE STRENGTH OF GEOPOLYMER PASTES PRODUCED FROM ELAZIĞ FERROCHROME SLAG**
KARAKOÇ M. B., TÜRKMEN İ., EKİNCİ E., KANTARCI F.
International Journal of Mechanical And Production Engineering, vol.5, no.12, pp.89-91, 2017 (Peer-Reviewed Journal)

VI. **The Mechanical and Physical Properties of Unfired Earth Bricks Stabilized with Gypsum and Elazığ Ferrochrome Slag**
TÜRKMEN İ., EKİNCİ E., KANTARCI F., SARICI T.
International Journal of Sustainable Built Environment, vol.7, 2017 (Peer-Reviewed Journal)

## Books & Book Chapters

I. **Optimization of production parameters of alkali-activated concrete**
KANTARCI F., TÜRKMEN İ., EKİNCİ E.
in: Handbook of Advances in Alkali-Activated Concrete, Fernando Pacheco-Torgal, Prinya Chindaprasirt, Togay Ozbakkaloglu, Editor, Elsevier, Duxford, pp.89-106, 2022

## Refereed Congress / Symposium Publications in Proceedings

I. **Effect of Silica Fume on the Mechanical Properties of Slag Based Geopolymer Concretes Under High Temperatures**
Karakoç M. B., Ekinci E., Özcan A., Yolcu A., Sağır M. A.
International Conferences on Science and Technology, Engineering Sciences and Technology, ICONST EST 2022, Budva, Montenegro, 7 - 09 September 2022, vol.1, pp.224-228

II. **The Effect Of Waste Tire Fibers On The Compressive Strength Of Geopolymer Concrete**
Karakoç M. B., Yolcu A., Ekinci E., Özcan A., Sağır M. A.
III. International Congress Of Applied Sciences Karabakh, Baku, Azerbaijan, 7 - 10 June 2022, vol.1, no.1, pp.153-156

III. **The use of waste marble as fine aggregate in the production of geopolymer mortar samples**
EKİNCİ E., TÜRKMEN İ., KARAKOÇ M. B., ÖZDEMİR E.
Geopolymeric Composites Congress, Erzurum, Turkey, 22 December 2021

IV. **The compressive strength of geopolymer concrete under the effect of different parameters**
EKİNCİ E., TÜRKMEN İ., KANTARCI F., KARAKOÇ M. B.
International Conference on Science, Engineering & Technology – ICSET, Dubai, United Arab Emirates, 26 - 27 June 2019, vol.1, pp.16-19

V. **Effect Of Sılıca Modulus On Compressıve Strength Of Volcanıc Tuff Based Geopolymer Concrete**
EKİNCİ E., KANTARCI F., KARAKOÇ M. B., TÜRKMEN İ.
International Conference on Recent Innovations in Engineering and Technology (ICRIET), Montreal, Canada, 29 - 30 August 2018, pp.19-21

VI. **Effect of Activator Concentration and Raw Material Type on Setting Time and Density of Geopolymer Paste**
TÜRKMEN İ., KANTARCI F., EKİNCİ E., KARAKOÇ M. B.
8th International Advanced Technologies Symposium (IATS'17), Elazığ, Turkey, 19 - 22 October 2017, vol.18, pp.3993-3997

VII. **The Usage Of Nano And Polymer Additives In Geopolymer Concrete**
TÜRKMEN İ., EKİNCİ E., KANTARCI F., KARAKOÇ M. B.
8th International Advanced Technologies Symposium (IATS'17), Elazığ, Turkey, 19 - 22 October 2017, vol.16,

pp.3318-3326

VIII. **Utilization of Elazığ Ferrochrome Slag and Gypsum in Production of Unfired Earth Bricks**
TÜRKMEN İ., EKİNCİ E., KANTARCI F.
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017

## Supported Projects

TÜRKMEN İ., EKİNCİ E., Project Supported by Higher Education Institutions, BAKTERİ ESASLI KENDİNİ ONARMA SİSTEMİNİN GEOPOLİMER HAMUR VE HARÇLARIN PERFORMANSINA ETKİSİ, 2020 - 2022
TÜRKMEN İ., EKİNCİ E., ÖZDEMİR E., KARAKOÇ M. B., Project Supported by Higher Education Institutions, Geopolimer beton üretiminde farklı tip mermer atıklarının kullanılabilirliğinin araştırılması, 2019 - 2022
KARAKOÇ M. B., EKİNCİ E., TÜRKMEN İ., KANTARCI F., Project Supported by Higher Education Institutions, Lastik Atığı Kullanılarak Üretilecek Geopolimer Betonların Mekanik ve Durabilite Özelliklerinin Araştırılması, 2018 - 2021

## Scientific Refereeing

CONSTRUCTION AND BUILDING MATERIALS, SCI Journal, October 2023
CONSTRUCTION AND BUILDING MATERIALS, SCI Journal, October 2023
CONSTRUCTION AND BUILDING MATERIALS, SCI Journal, September 2023
JOURNAL OF BUILDING ENGINEERING, SCI Journal, September 2023
CONSTRUCTION AND BUILDING MATERIALS, SCI Journal, August 2023
ADVANCES IN CEMENT RESEARCH, SCI Journal, December 2021
CASE STUDIES IN CONSTRUCTION MATERIALS, SCI Journal, November 2021

## Metrics

Publication: 30
Citation (WoS): 67
Citation (Scopus): 18
H-Index (WoS): 4
H-Index (Scopus): 3