

## Res. Asst. HÜSEYİN HİLMİ ASLANBAY

### Personal Information

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### International Researcher IDs

ScholarID: QdMEjWoAAAAJ

ORCID: 0000-0001-9739-4699

Publons / Web Of Science ResearcherID: GSI-5587-2022

ScopusID: 58088643000

Yoksis Researcher ID: 317724

### Education Information

Doctorate, Erciyes University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2021 - Continues

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, --, Turkey 2018 - 2021

Undergraduate, Sakarya University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 2014 - 2018

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Postgraduate, ANKASTRE MESNETLİ BETONARME KİRİŞLERDE AÇIKLIK ORTASI DAİRESEL BOŞLUKLARIN DAVRANIŞA OLAN ETKİSİNİN DENEYSEL VE NÜMERİK ANALİZİ, Erciyes University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2021

### Research Areas

Civil Engineering, Structure, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Erciyes University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2020 - Continues

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

- Comprehensive analysis of experimental and numerical results of bond strength and mechanical properties of fly ash based GPC and OPC concrete**  
GÜL ASLANBAY Y., ASLANBAY H. H., ÖZBAYRAK A., KÜÇÜKGÖNCÜ H., Atas O.

Construction and Building Materials, vol.416, 2024 (SCI-Expanded)

**II. Comprehensive experimental analysis of the effects of elevated temperatures in geopolymer concretes with variable alkali activator ratios**

ÖZBAYRAK A., KÜÇÜKGÖNCÜ H., ASLANBAY H. H., GÜL ASLANBAY Y., Atas O.

Journal of Building Engineering, vol.68, 2023 (SCI-Expanded)

**III. Determination of stress-strain relationship based on alkali activator ratios in geopolymer concretes and development of empirical formulations**

Özbayrak A., Küçükgöncü H., Atas O., Aslanbay H. H., Aslanbay Y. G., Altun F.

Structures, vol.48, pp.2048-2061, 2023 (SCI-Expanded)

## Articles Published in Other Journals

**I. Comparison of structural analysis results of central inverted V and X braced frames high-rise steel structures using modal combine method**

Düğenci O., Aslanbay H. H., Serpil S. S.

Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.12, no.3, pp.844-852, 2023 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

**I. Numerical comparison of the effect of circular and square stirrups on reinforced concrete beams**

ASLANBAY H. H., ÖZBAYRAK A.

Proceedings of 3rd International Civil Engineering and Architecture Congress (ICEARC'23), Trabzon, Turkey, 12 - 14 October 2023, pp.1333-1351

**II. Difficulties In Experimental Stages And Solutions Proposals Of Reinforced Concrete Beams With Fixed Support And Openings**

Aslanbay H. H., Altun F.

INTERNATIONAL CONGRESS ON ART AND DESIGN RESEARCH AND EXHIBITION, Niğde, Turkey, 21 - 22 June 2021, vol.1, pp.1557-1566

## Supported Projects

ALTUN F., ASLANBAY H. H., Project Supported by Higher Education Institutions, Sismik İzolatörlerde Yaylı Mekanizmalar ve Sönümlenme Katsayılarının Deneysel ve Nümerik İncelenmesi, 2024 - Continues

Özbayrak A., Küçükgöncü H., Altun F., TUBITAK Project, Uçucu Kül Esaslı Geopolimer Betondan Üretilen Yapısal Kolon Ve Kirişlerin Davranış Ve Dayanımı, 2021 - 2024

ALTUN F., ASLANBAY H. H., Project Supported by Higher Education Institutions, Ankastre Mesnetli Betonarme Kirişlerde Açıklık Ortası Dairesel Boşlukların Davranışa Olan Etkisinin Deneysel ve Nümerik Analizi, 2020 - 2022

## Scientific Refereeing

JOURNAL OF BUILDING ENGINEERING, SCI Journal, April 2023

## Metrics

Publication: 6

Citation (WoS): 38

Citation (Scopus): 48

H-Index (WoS): 2

H-Index (Scopus): 3