

Res. Asst. PhD JÜLİDE YÜZBAŞI

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: J-3466-2018

Yoksis Researcher ID: 264208

Education Information

Doctorate, Cukurova University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2018 - 2023

Doctorate, The Ohio State University, Department of CIVIL, ENVIRONMENTAL AND GEODETIC ENGINEERING, Civil Engineering, United States Of America 2021 - 2022

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, Turkey 2015 - 2018

Undergraduate, Cukurova University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2011 - 2015

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Comparison of finite element method and applied element method used in structural engineering mechanics, Cukurova University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, 2023

Postgraduate, Investigation and strengthening of existing reinforced concrete structure safety against earthquake, Cukurova University, Mühendislik Fakültesi, 2018

Research Areas

Mechanics of Solid Bodies, Civil Engineering, Mechanical, Structural Mechanics, Building Dynamics, Structure, Performance of Constructed Facilities, Repair and Strengthening in Buildings, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Cukurova University, Mühendislik Mimarlık Fakültesi, İnşaat Mühendisliği, 2017 - Continues

Courses

Undergraduate

MIM248 Earthquake Resistant Structure Design, Undergraduate, 2023 - 2024

IMS464 Advanced Structural Modeling of Buildings II, Undergraduate, 2023 - 2024

IMS464 Bina Modelleme II (562), Undergraduate, 2023 - 2024

IMS467 Bina Modelleme I (İÖ 532), Undergraduate, 2023 - 2024

IMS 467 Bina Modelleme I, Undergraduate, 2023 - 2024

Seismic Resistant Structure Design, Undergraduate, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Applied element method and Finite element method for progressive collapse assessment: A comparative study on the influence of slab types, thicknesses, and damping via three incremental column removals**
YÜZBAŞI J., ARSLAN H. M.
Structures, vol.73, 2025 (SCI-Expanded)
- II. **Controlled demolition: novel monitoring and experimental validation of blast-induced full-scale existing high-rise building implosion using numerical finite element simulations**
Yuzbasi J.
JOURNAL OF CIVIL STRUCTURAL HEALTH MONITORING, no.https://doi.org/10.1007/s13349-024-00849-y, pp.1-24, 2024 (SCI-Expanded)
- III. **Post-Earthquake Damage Assessment: Field Observations and Recent Developments with Recommendations from the Kahramanmaraş Earthquakes in Türkiye on February 6th, 2023 (Pazarcık M7.8 and Elbistan M7.6)**
Yuzbasi J.
JOURNAL OF EARTHQUAKE ENGINEERING, 2024 (SCI-Expanded)
- IV. **Experimental verification of full-scale silo structure demolition: Investigating successive column removal with finite element method and progressive collapse simulation through blast load**
Yuzbasi J.
Structural Concrete, 2024 (SCI-Expanded)

Articles Published in Other Journals

- I. **Betonarme Yapıların Deprem Etkisi Altında Performans Analizlerinin Yapılması ve Güçlendirilmesi**
Yüzbaşı J., Yerli H. R.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.33, no.2, pp.273-286, 2018 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

- I. **An Investigation on the Methods Used in Modeling the Progressive Collapse Mechanism of Structures and Simulating Demolition Processes**
Yuzbasi J., Yüzbaşı J.
5th International Congress on Engineering, Architecture, and Design, İstanbul, Turkey, 21 - 22 December 2019, vol.46, no.36934, pp.853-858
- II. **Assessment on Controlled Demolition Studies of Structures at Turkey in the 21st Century**
Yuzbasi J., Yüzbaşı J.
5th International Congress on Engineering, Architecture, and Design, İstanbul, Turkey, 21 - 22 December 2019, vol.46, no.36934, pp.860-866

Other Publications

- I. **StEER: Hurricane Helene Annotated Media Repository**, <https://doi.org/10.17603/ds2-mxeh-7712>, PRJ-5669
Yuzbasi J., Yüzbaşı J.
Technical Report, pp.1-298, 2024
- II. **StEER: 2023 Mw 7.8 Kahramanmaras, Turkiye Earthquake Sequence Preliminary Virtual Reconnaissance Report (PVRR) Media Repository**, <https://doi.org/10.17603/ds2-mm04-xq43>
Yuzbasi J., Yüzbaşı J.
Other, pp.97-98, 2024

Supported Projects

Yuzbasi J., Yuzbasi J., Universities of Other Countries Supported Project, StEER: Hurricane Helene Annotated Media Repository, <https://doi.org/10.17603/ds2-mxeh-7712>, PRJ-5669, 2024 - 2024

Yuzbasi J., Universities of Other Countries Supported Project, StEER: 2023 Mw 7.8 Kahramanmaras, Turkiye Earthquake Sequence Preliminary Virtual Reconnaissance Report (PVRR) Media Repository, 2023 - 2024

Yuzbasi J., TUBITAK Project, Comparison of finite element method and applied element method used in structural engineering mechanics, 2021 - 2022

YERLİ H. R., YÜZBAŞI J., Project Supported by Higher Education Institutions, BETONARME YAPILARIN DEPREME KARŞI GÜÇLENDİRİLMESİ, 2017 - 2018

Peer Reviews in Scientific Publications

Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, August 2024

STRUCTURAL ENGINEERING INTERNATIONAL: JOURNAL OF THE INTERNATIONAL ASSOCIATION FOR BRIDGE AND STRUCTURAL ENGINEERING (IABSE), SCI Journal, June 2024

SAKARYA UNIVERSITY JOURNAL OF SCIENCE, National Scientific Refreed Journal, August 2023

NATURENGS, National Scientific Refreed Journal, February 2021

Metrics

Publication: 9

Scholarships

TUBITAK International Research Fellowship 2214-A (Grant Number (GN): 1059B142000749)-The Ohio State University (Visiting Scholar), Official Institutions of Foreign Countries, 2021 - 2022

The Scientific and Technological Research Council of Turkiye National PhD Scholarship Program 2211-A (GN: 1649B031805492) , TUBITAK, 2018 - 2021

Awards

Yüzbaşı J., Cukurova University Presidency, Valedictorian Honorary Plaque - 2015, Çukurova Üniversitesi, June 2024

Non Academic Experience

PREKON İNŞAAT MÜHENDİSLİK MÜŞAVİRLİK İMALAT TİCARET VE SANAYİ LTD.ŞTİ., Proje Mühendisi