

# ŞABAN AKDUMAN

## Personal Information

**Email:** [sabanakduman@hacettepe.edu.tr](mailto:sabanakduman@hacettepe.edu.tr)

**Web:** <https://avesis.hacettepe.edu.tr/sabanakduman>

## International Researcher IDs

ScholarID: O\_n0sXEAAAAJ

ORCID: 0000-0002-6566-345X

Yoksis Researcher ID: 303117

## Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği A.B.D., Turkey 2021 - Continues

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği A.B.D., Turkey 2018 - 2021

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 2012 - 2018

## Dissertations

Postgraduate, Experimental investigations on the flexure behaviour of reinforced geopolymer beams produced from recycled construction materials, Hacettepe University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği A.B.D., 2021

## Academic Titles / Tasks

Research Assistant, Hacettepe University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2019 - Continues

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

- I. **Experimental investigation of the damage characteristics and seismic response of moment-resisting bolted column base joints for precast concrete frames**  
AKDUMAN Ş., AKTEPE R., ALDEMİR A., ŞAHMARAN M.  
Soil Dynamics and Earthquake Engineering, vol.177, 2024 (SCI-Expanded)
- II. **Opportunities and challenges in constructing a demountable precast building using C&D waste-based geopolymer concrete: A case study in Türkiye**  
AKDUMAN Ş., AKTEPE R., ALDEMİR A., Ozcelikci E., Alam B., ŞAHMARAN M.  
Journal of Cleaner Production, vol.434, 2024 (SCI-Expanded)
- III. **Structural performance of construction and demolition waste-based geopolymer concrete columns under combined axial and lateral cyclic loading**  
AKDUMAN Ş., AKTEPE R., ALDEMİR A., Ozcelikci E., YILDIRIM G., ŞAHMARAN M., Ashour A.  
Engineering Structures, vol.297, 2023 (SCI-Expanded)
- IV. **Fully demountable column base connections for reinforced CDW-based geopolymer concrete members**  
AKTEPE R., AKDUMAN Ş., ALDEMİR A., Ozcelikci E., YILDIRIM G., ŞAHMARAN M., Ashour A.  
Engineering Structures, vol.290, 2023 (SCI-Expanded)

- V. **Experimental investigation on lateral behavior of novel hybrid cold-formed steel walls with composite sheathing**  
AKTEPE R., AKDUMAN Ş., GÜLDÜR ERKAL B.  
Journal of Constructional Steel Research, vol.202, 2023 (SCI-Expanded)
- VI. **Shear behaviour of reinforced construction and demolition waste-based geopolymer concrete beams**  
ALDEMİR A., AKDUMAN Ş., KOCAER Ö., AKTEPE R., ŞAHMARAN M., YILDIRIM G., Almahmood H., Ashour A.  
JOURNAL OF BUILDING ENGINEERING, vol.47, 2022 (SCI-Expanded)
- VII. **Experimental investigations on the structural behaviour of reinforced geopolymer beams produced from recycled construction materials**  
AKDUMAN Ş., Kocaer O., ALDEMİR A., ŞAHMARAN M., YILDIRIM G., Almahmood H., Ashour A.  
JOURNAL OF BUILDING ENGINEERING, vol.41, 2021 (SCI-Expanded)

## **Metrics**

Publication: 7

Citation (WoS): 13

Citation (Scopus): 70

H-Index (WoS): 2

H-Index (Scopus): 3