

## Arş. Gör. BEYAZIT BESTAMİ AYDIN

### Kişisel Bilgiler

E-posta: beyazit@metu.edu.tr

Web: <https://avesis.metu.edu.tr/beyazit>

### Uluslararası Araştırmacı ID'leri

ScholarID: 0QMDQEAAAAJ

ORCID: 0000-0001-8613-623X

Publons / Web Of Science ResearcherID: ABA-1570-2020

ScopusID: 57200819518

Yoksis Araştırmacı ID: 218519

### Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (Dr), Türkiye 2017 - Devam Ediyor

### Araştırma Alanları

İnşaat Mühendisliği , Yapı

### Akademik Unvanlar / Görevler

Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2014 - Devam Ediyor

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A lattice modelling framework for fracture-induced acoustic emission wave propagation in concrete**  
Zhou Y., AYDIN B. B., Zhang F., Hendriks M. A., Yang Y.  
Engineering Fracture Mechanics, cilt.312, 2024 (SCI-Expanded)
- II. **Maximum Drift Demands of Earthquake Damaged Reinforced Concrete Columns Based on Residual Flexure Cracks**  
AYDIN B. B., BİNİCİ B., AKTAŞ S. S., Hendriks M. A. N., TUNCAY K.  
Bulletin of Earthquake Engineering, cilt.22, sa.8, ss.4055-4081, 2024 (SCI-Expanded)
- III. **Lattice modeling and testing of aerated autoclaved concrete infilled frames**  
AYDIN B. B., BİNİCİ B., Hendriks M. A. N., TUNCAY K.  
ENGINEERING STRUCTURES, cilt.251, 2022 (SCI-Expanded)
- IV. **Lattice simulation of concrete compressive behaviour as indirect tension failure**  
AYDIN B. B., BİNİCİ B., TUNCAY K.  
MAGAZINE OF CONCRETE RESEARCH, cilt.73, sa.8, ss.394-409, 2021 (SCI-Expanded)
- V. **Transmission dynamics of Covid-19 in Italy, Germany and Turkey considering social distancing, testing and quarantine**  
GÜL S., TUNCAY K., BİNİCİ B., AYDIN B. B.  
JOURNAL OF INFECTION IN DEVELOPING COUNTRIES, cilt.14, sa.7, ss.713-720, 2020 (SCI-Expanded)

- VI. **Simulation of Reinforced Concrete Member Response Using Lattice Model**  
Aydın B. B., Tuncay K., Binici B.  
JOURNAL OF STRUCTURAL ENGINEERING, cilt.145, 2019 (SCI-Expanded)
- VII. **Overlapping Lattice Modeling for concrete fracture simulations using sequentially linear analysis**  
Aydın B. B., Tuncay K., Binici B.  
STRUCTURAL CONCRETE, cilt.19, ss.568-581, 2018 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Simulation of elastic wave propagation with lattice model**  
Zhou Y., Aydın B. B., Yang Y.  
Special Issue of e-Journal of Nondestructive Testing (eJNDT), cilt.29, sa.10, ss.1-8, 2024 (Düzenli olarak gerçekleştirilen hakemli kongrenin bildiri kitabı)

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **LATTICE APPROACH FOR NONLINEAR ANALYSIS FOR REINFORCED CONCRETE FRAMES**  
AYDIN B. B., TUNCAY K., BİNİCİ B.  
5th INTERNATIONAL CONFERENCE ON EARTHQUAKE ENGINEERING AND SEISMOLOGY, 8 - 11 Kasım 2019
- II. **Overlapping Lattice Approach for Nonlinear Analysis of Reinforced Concrete Columns**  
AYDIN B. B., TUNCAY K., BİNİCİ B.  
13th International Congress on Advances in Civil Engineering, İzmir, Türkiye, 12 - 14 Eylül 2018
- III. **Overlapping Lattice Simulation of Concrete Gravity Dam Collapse Simulations**  
SOYSAL B. F., AYDIN B. B., TUNCAY K., ARICI Y., BİNİCİ B.  
COMPDYN 6th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, 15 - 17 Haziran 2017
- IV. **EFFECT OF DOUBLE-SLOTTED BEAMS ON THE FRAME BEHAVIOR**  
ALDEMİR A., AYDIN B. B.  
17. International Scientific Conference, 8 - 09 Haziran 2017
- V. **Overlapping Lattice Model for Concrete Fracture Simulations**  
AYDIN B. B., TUNCAY K., BİNİCİ B.  
12th International Conference on Advances in Civil Engineering, 21 - 23 Eylül 2016
- VI. **Overlapping Lattice Model for Fracture Initiation and Propagation**  
AYDIN B. B., TUNCAY K., BİNİCİ B.  
First International Conference on Natural Hazards and Infrastructure, Chania, Yunanistan, 28 - 30 Temmuz 2016

## **Metrikler**

Yayın: 14

Atf (WoS): 39

Atf (Scopus): 41

H-İndeks (WoS): 4

H-İndeks (Scopus): 4