

## Res. Asst. BEYAZIT BESTAMİ AYDIN

### Personal Information

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### International Researcher IDs

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

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### Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, İnşaat Mühendisliği (Dr), Turkey 2017 - Continues

### Research Areas

Civil Engineering, Structure

### Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2014 - Continues

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

- 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, vol.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, vol.22, no.8, pp.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, vol.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, vol.73, no.8, pp.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, vol.14, no.7, pp.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, vol.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, vol.19, pp.568-581, 2018 (SCI-Expanded)

## Articles Published in Other Journals

**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), vol.29, no.10, pp.1-8, 2024 (Conference Book)

## Refereed Congress / Symposium Publications in Proceedings

**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 November 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, Turkey, 12 - 14 September 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 June 2017

**IV. EFFECT OF DOUBLE-SLOTTED BEAMS ON THE FRAME BEHAVIOR**

ALDEMİR A., AYDIN B. B.

17. International Scientific Conference, 8 - 09 June 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 September 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, Greece, 28 - 30 July 2016

## Metrics

Publication: 14

Citation (WoS): 39

Citation (Scopus): 41

H-Index (WoS): 4

H-Index (Scopus): 4