

## **Personal Information**

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## **International Researcher IDs**

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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. **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)
- II. **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)
- III. **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)
- IV. **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)
- V. **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)

## 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: 11  
Citation (WoS): 19  
Citation (Scopus): 32  
H-Index (WoS): 2  
H-Index (Scopus): 3