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## Education Information

Doctorate, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, Turkey 2004 - 2012

## Research Areas

Civil Engineering, Structure, Structural Engineering, Performance of Constructed Facilities, Earthquake Engineering, Concrete Structures, Repair and Strengthening in Buildings, Engineering and Technology

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

- I. **Hybrid Use of Externally Embedded FRP Reinforcement for Seismic Retrofitting of Substandard RC Columns**  
Seyhan E. C., Akkaya Ç., Saribas I., İlki A.  
Journal of Composites for Construction, vol.27, no.3, 2023 (SCI-Expanded)
- II. **Post-fire Seismic Behavior of RC Columns Built with Sustainable Concrete**  
Demir U., Ünal G., Goksu Ç., Saribas I., İlki A.  
JOURNAL OF EARTHQUAKE ENGINEERING, vol.26, no.13, pp.6869-6892, 2022 (SCI-Expanded)
- III. **Effect of Fire Damage on Seismic Behavior of Cast-in-Place Reinforced Concrete Columns**  
Demir U., Goksu Ç., Ünal G., Green M., İlki A.  
JOURNAL OF STRUCTURAL ENGINEERING, vol.146, no.11, 2020 (SCI-Expanded)
- IV. **Impact of time after fire on post-fire seismic behavior of RC columns**  
Demir U., Goksu Ç., Binbir E., İlki A.  
STRUCTURES, vol.26, pp.537-548, 2020 (SCI-Expanded)
- V. **Seismic performance of full-scale RC columns containing high proportion recycled aggregate**  
Saribas I., Goksu Ç., Binbir E., İlki A.  
BULLETIN OF EARTHQUAKE ENGINEERING, vol.17, no.11, pp.6009-6037, 2019 (SCI-Expanded)
- VI. **Structural performance of recycled aggregates concrete sourced from low strength concrete**  
Goksu Ç., Saribaş İ., Binbir E., Akkaya Y., İlki A.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.69, no.1, pp.77-93, 2019 (SCI-Expanded)
- VII. **Field testing of substandard RC buildings through forced vibration tests**  
Goksu Ç., İNCİ P., DEMİR U., Yazgan U., İLKI A.

BULLETIN OF EARTHQUAKE ENGINEERING, vol.15, no.8, pp.3245-3263, 2017 (SCI-Expanded)

VIII. **Seismic Behavior of Reinforced Concrete Columns with Corroded Deformed Reinforcing Bars**

Goksu Ç., İlki A.

ACI STRUCTURAL JOURNAL, vol.113, no.5, pp.1053-1064, 2016 (SCI-Expanded)

IX. **Effect of Corrosion on Bond Mechanism between Extremely Low-Strength Concrete and Plain Reinforcing Bars**

Goksu Ç., Inci P., İlki A.

JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.30, no.3, 2016 (SCI-Expanded)

X. **Seismic Behavior of Substandard RC Columns Retrofitted with Embedded Aramid Fiber Reinforced Polymer (AFRP) Reinforcement**

Seyhan E. C., Goksu Ç., Uzunhasanoglu A., İlki A.

POLYMERS, vol.7, no.12, pp.2535-2557, 2015 (SCI-Expanded)

XI. **The Effect of Lap Splice Length on the Cyclic Lateral Load Behavior of RC Members with Low-Strength Concrete and Plain Bars**

Goksu Ç., Yilmaz H., Chowdhury S. R., Orakcal K., İlki A.

ADVANCES IN STRUCTURAL ENGINEERING, vol.17, no.5, pp.639-658, 2014 (SCI-Expanded)

XII. **Effects of Reinforcement Corrosion on the Performance of RC Frame Buildings Subjected to Seismic Actions**

Inci P., Goksu Ç., İlki A., Kumbasar N.

JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.27, no.6, pp.683-696, 2013 (SCI-Expanded)

XIII. **Attempt for Seismic Retrofit of Existing Substandard RC Members under Reversed Cyclic Flexural Effects**

Goksu Ç., POLAT A., İlki A.

JOURNAL OF COMPOSITES FOR CONSTRUCTION, vol.16, no.3, pp.286-299, 2012 (SCI-Expanded)

## Articles Published in Other Journals

I. **A comparative impact chain analysis of 1999 Kocaeli and 2023 Kahramanmaraş earthquakes**

Göksoy Ç., Kundak S., Arslanlı K. Y., Aşıcı A. A., Kalkanlı D., Yılmaz A.

Journal of Design for Resilience in Architecture and Planning, vol.4, 2023 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

I. **Rehabilitation of Corrosion-Damaged Substandard RC Columns Using FRP Sheets**

Kalyoncuoglu A., Ghaffari P., Goksu Ç., İlki A.

1st International Conference on Advances in Civil Infrastructure Engineering (ICACIE 2012), Changsha, China, 15 - 16 September 2012, vol.639-640, pp.1096-1103

II. **Seismic analysis of a RC frame building with FRP-retrofitted infill walls**

İlki A., Goksu Ç., Demir C., Kumbasar N.

6th International Conference on Fracture Mechanics of Concrete and Concrete Structures, Catania, Italy, 17 - 22 June 2007, vol.1-3, pp.1167-1169

## Metrics

Publication: 21

Citation (WoS): 147

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