# Doç.Dr. Çağlar Akkaya

## Kişisel Bilgiler

**İş Telefonu:** +90 212 285 3795 Dahili: 9
**E-posta:** goksuc@itu.edu.tr
**Web:** https://avesis.itu.edu.tr/goksuc

**Uluslararası Araştırmacı ID'leri**
ScholarID: caglargoksu
ORCID: 0000-0002-0596-6918
Publons / Web Of Science ResearcherID: D-5349-2014
ScopusID: 26321477000

## Eğitim Bilgileri

Doktora, İstanbul Teknik Üniversitesi, İnşaat, İnşaat Mühendisliği, Türkiye 2004 - 2012

## Araştırma Alanları

İnşaat Mühendisliği , Yapı , Yapı Mühendisliği, Yapıların Performansı, Deprem Mühendisliği, Betonarme Yapılar, Yapılarda Onarım ve Güçlendirme, Mühendislik ve Teknoloji

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

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, cilt.27, sa.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, cilt.26, sa.13, ss.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, cilt.146, sa.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, cilt.26, ss.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, cilt.17, sa.11, ss.6009-6037, 2019 (SCI-Expanded)

VI. **Structural performance of recycled aggregates concrete sourced from low strength concrete**
Goksu Ç., Sarıbaş İ., Binbir E., Akkaya Y., İlki A.
STRUCTURAL ENGINEERING AND MECHANICS, cilt.69, sa.1, ss.77-93, 2019 (SCI-Expanded)

VII. **Field testing of substandard RC buildings through forced vibration tests**
Goksu Ç., İNCİ P., DEMİR U., Yazgan U., İLKİ A.

BULLETIN OF EARTHQUAKE ENGINEERING, cilt.15, sa.8, ss.3245-3263, 2017 (SCI-Expanded)

VIII. **Seismic Behavior of Reinforced Concrete Columns with Corroded Deformed Reinforcing Bars**
Goksu Ç., İlki A.
ACI STRUCTURAL JOURNAL, cilt.113, sa.5, ss.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, cilt.30, sa.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, cilt.7, sa.12, ss.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., Ilki A.
ADVANCES IN STRUCTURAL ENGINEERING, cilt.17, sa.5, ss.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, cilt.27, sa.6, ss.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, cilt.16, sa.3, ss.286-299, 2012 (SCI-Expanded)

## Diğer Dergilerde Yayınlanan Makaleler

I. **A comparative impact chain analysis of 1999 Kocaeli and 2023 Kahramanmaraş earthquakes**
Göksu Ç., Kundak S., Arslanlı K. Y., Aşıcı A. A., Kalkanlı D., Yılmaz A.
Journal of Design for Resilience in Architecture and Planning, cilt.4, 2023 (Hakemli Dergi)

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

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, Çin, 15 - 16 Eylül 2012, cilt.639-640, ss.1096-1103

II. **Seismic analysis of a RC frame building with FRP-retrofitted infill walls**
Ilki A., Goksu Ç., Demir C., Kumbasar N.
6th International Conference on Fracture Mechanics of Concrete and Concrete Structures, Catania, İtalya, 17 - 22 Haziran 2007, cilt.1-3, ss.1167-1169

## Metrikler

Yayın: 21
Atıf (WoS): 145
Atıf (Scopus): 172
H-İndeks (WoS): 8

H-İndeks (Scopus): 8