

Asst. Prof. NALAN KAYA

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Gazi University, Mühendislik Fakültesi, Turkey 2010 - 2017

Postgraduate, Gazi University, Mühendislik-Mimarlık Fakültesi, Turkey 2006 - 2009

Undergraduate, Firat University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 1999 - 2003

Research Areas

Repair and Strengthening in Buildings, Finite Element Methods

Academic Titles / Tasks

Assistant Professor, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2020 - Continues

Research Assistant PhD, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2017 - 2020

Research Assistant, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2005 - 2017

Courses

NUMERICAL ANALYSIS, Undergraduate, 2023 - 2024

STRUCTURAL DYNAMICS, Undergraduate, 2021 - 2022, 2020 - 2021

MECHANICS II (DYNAMICS), Undergraduate, 2021 - 2022

STRUCTURAL DYNAMICS, Undergraduate, 2021 - 2022

MECHANICS I (STATICS), Undergraduate, 2021 - 2022, 2020 - 2021

NUMERICAL ANALYSIS, Undergraduate, 2021 - 2022, 2020 - 2021

İNŞAAT MÜHENDİSLİĞİ İÇİN TEKNİK RESİM, Undergraduate, 2018 - 2019, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Non-linear analysis of one-way concrete slabs with carbon-fibre-reinforced polymer strips**
Kaya N., Anil Ö.
Proceedings of the Institution of Civil Engineers: Structures and Buildings, vol.176, no.8, pp.569-583, 2023 (SCI-Expanded)
- II. **Prediction of load capacity of one way reinforced concrete slabs with openings using nonlinear**

finite element analysis

KAYA N., ANIL Ö.

Journal of Building Engineering, vol.44, 2021 (SCI-Expanded)

- III. **Nonlinear finite element analysis of masonry wall strengthened with CFRP strips**
ALYAVUZ B., ANIL Ö., Bulut N.
ADVANCED COMPOSITE MATERIALS, vol.25, no.2, pp.159-175, 2016 (SCI-Expanded)
- IV. **Strengthening of one way RC slab with opening using CFRP strips**
ANIL Ö., KAYA N., Arslan O.
CONSTRUCTION AND BUILDING MATERIALS, vol.48, pp.883-893, 2013 (SCI-Expanded)
- V. **Strain distribution between CFRP strip and concrete at strengthened RC beam against shear**
ANIL Ö., Bulut N., AYHAN M.
STRUCTURAL ENGINEERING AND MECHANICS, vol.41, no.4, pp.509-525, 2012 (SCI-Expanded)
- VI. **Nonlinear finite element analysis of RC beams strengthened with CFRP strip against shear**
Bulut N., ANIL Ö., BELGİN Ç. M.
COMPUTERS AND CONCRETE, vol.8, no.6, pp.717-733, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Hibrit (GFRP-Çelik) Donatılı Kirişlerde Donatı Oranının Eğilme Davranışına Etkileri**
KAYA N., AVANOĞLU SICACIK E., ER Ş., KOPRAMAN Y., BÜYÜKKARAGÖZ A.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.24, pp.1109-1119, 2021 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Shear Deficient RC Beams Repaired with FRP Strips**
Kaya N., Özdemir A., Koprman Y.
ACE 2020-2021 14th INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING, İstanbul, Turkey, 6 - 08 September 2021, pp.1214-1220
- II. **İnşaat Mühendisliği Öğrencilerinin Bitirme Projelerinin Öğrenci Tercihleri ve Önem Derecesine Göre Değerlendirilmesi**
Kaya N., Yüncül K., Çiçek C. T.
4. İNŞAAT MÜHENDİSLİĞİ EĞİTİMİ SEMPOZYUMU, İzmir, Turkey, 17 - 18 November 2017, pp.161-174

Supported Projects

Kaya N., Özdemir A., Koprman Y., Project Supported by Higher Education Institutions, Investigation Of Shear Deficient Reinforced Concrete Beams Repaired With BFRP Strips, 2019 - 2021

Metrics

Publication: 10

Citation (WoS): 68

Citation (Scopus): 81

H-Index (WoS): 4

H-Index (Scopus): 4

Non Academic Experience

Company, Hona İnşaat, Teknik Ofis

HONA İnşaat