

Prof. Dr. UMUT TOPAL

Kişisel Bilgiler

İş Telefonu: [+90 462 377 8426](tel:+904623778426)

E-posta: utopal@ktu.edu.tr

Web: <https://avesis.ktu.edu.tr//utopal>

Posta Adresi: Karadeniz Teknik Üniversitesi Of Teknoloji Fakültesi İnşaat Mühendisliği Bölümü Of Trabzon

Uluslararası Araştırmacı ID'leri

ORCID: 0000-0003-0298-3795

Publons / Web Of Science ResearcherID: AAW-5374-2020

Yoksis Araştırmacı ID: 133814

Eğitim Bilgileri

Doktora, Karadeniz Teknik Üniversitesi, -, İnşaat Mühendisliği, Türkiye 2003 - 2009

Yüksek Lisans, Karadeniz Teknik Üniversitesi, -, İnşaat Mühendisliği, Türkiye 2000 - 2003

Lisans, Yıldız Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği, Türkiye 1994 - 1998

Araştırma Alanları

Katı Cisimler Mekaniği, İnşaat Mühendisliği, Mekanik, Yapı Mekaniği, Yapı Dinamiği, Yapı Stabilitesi, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Doç. Dr., Karadeniz Teknik Üniversitesi, -, İnşaat Mühendisliği, 2011 - Devam Ediyor

Öğretim Görevlisi Dr., Karadeniz Teknik Üniversitesi, -, İnşaat Mühendisliği, 2009 - 2011

Öğretim Görevlisi, Karadeniz Teknik Üniversitesi, -, İnşaat Mühendisliği, 2006 - 2009

Araştırma Görevlisi, Karadeniz Teknik Üniversitesi, -, İnşaat Mühendisliği, 2000 - 2003

Akademik İdari Deneyim

Karadeniz Teknik Üniversitesi, 2011 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- A novel approach for buckling optimization of stiffened piezolaminated composite plates**
Goodarzimehr V., TOPAL U., Fotovat M. B.
JOURNAL OF COMPOSITE MATERIALS, cilt.58, sa.28, ss.2975-2991, 2024 (SCI-Expanded)
- Buckling load optimization of laminated composite plates with elliptical hole under different non-uniform edge loads using bonobo optimizer algorithm**
Shaterzadeh A., TOPAL U., Hadad V., Das A. K.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, 2024 (SCI-Expanded)

- III. **A local-global optimization approach for maximizing the multiphysics frequency response of laminated functionally graded CNTs reinforced magneto-electro-elastic plates**
Ly D., Nguyen-Thoi T., Topal U., Thongchom C.
Advances in Engineering Software, cilt.190, 2024 (SCI-Expanded)
- IV. **SABO algorithm for optimum design of truss structures with multiple frequency constraints**
Goodarzimehr V., Topal U., Das A. K., Vo-Duy T.
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, cilt.52, sa.10, ss.7745-7777, 2024 (SCI-Expanded)
- V. **Improved chaos game optimization algorithm for optimal frequency prediction of variable stiffness curvilinear composite plate**
Goodarzimehr V., TOPAL U., Vo-Duy T., Shojaee S.
JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, cilt.42, sa.19-20, ss.1054-1066, 2023 (SCI-Expanded)
- VI. **Bonobo optimizer algorithm for optimum design of truss structures with static constraints**
Goodarzimehr V., Topal U., Das A. K., Vo-Duy T.
Structures, cilt.50, ss.400-417, 2023 (SCI-Expanded)
- VII. **Stochastic normal mode frequency analysis of hybrid angle ply laminated composite skew plate with opening using a novel approach**
Mishra B. B., Kumar A., Topal U.
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, cilt.51, sa.1, ss.275-309, 2023 (SCI-Expanded)
- VIII. **Maximization of the fundamental frequency of the FG-CNTRC quadrilateral plates using a new hybrid PSOG algorithm**
TOPAL U., Goodarzimehr V., Bardhan A., Vo-Duy T., Shojaee S.
COMPOSITE STRUCTURES, cilt.295, 2022 (SCI-Expanded)
- IX. **Optimal Response Prediction of Composite Honeycomb Sandwich Plate: Theoretical and Experimental Verification**
Rajamohan V., Sudhagar P. E., Praveen A. P., TOPAL U., Panda S. K., Trung Vo-Duy T. V.
INTERNATIONAL JOURNAL OF APPLIED MECHANICS, cilt.14, sa.04, 2022 (SCI-Expanded)
- X. **Optimal deflection and stacking sequence prediction of curved composite structure using hybrid (FEM and soft computing) technique**
Sharma N., Lalepalli A. K., Hirwani C. K., Das A., Panda S. K., TOPAL U., DEDE T.
Engineering with Computers, cilt.37, ss.477-487, 2021 (SCI-Expanded)
- XI. **Multiobjective optimization of angle-ply laminated plates for maximum buckling load**
Topal U., Uzman U.
FINITE ELEMENTS IN ANALYSIS AND DESIGN, cilt.46, sa.3, ss.273-279, 2010 (SCI-Expanded)
- XII. **Effect of Rectangular/Circular Cutouts on Thermal Buckling Load Optimization of Angle-Ply Laminated Thin Plates**
Topal U., Uzman U.
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, cilt.17, sa.2, ss.93-110, 2010 (SCI-Expanded)
- XIII. **Frequency optimization of laminated general quadrilateral and trapezoidal thin plates**
Topal U.
MATERIALS & DESIGN, cilt.30, sa.9, ss.3643-3652, 2009 (SCI-Expanded)
- XIV. **Multiobjective optimization of laminated composite cylindrical shells for maximum frequency and buckling load**
Topal U.
MATERIALS & DESIGN, cilt.30, sa.7, ss.2584-2594, 2009 (SCI-Expanded)
- XV. **Thermal buckling load optimization of angle-ply laminated cylindrical shells**
TOPAL U., Uzman U.
MATERIALS & DESIGN, cilt.30, sa.3, ss.532-536, 2009 (SCI-Expanded)
- XVI. **Effects of nonuniform boundary conditions on the buckling load optimization of laminated composite plates**
TOPAL U., Uzman U.
MATERIALS & DESIGN, cilt.30, sa.3, ss.710-717, 2009 (SCI-Expanded)

- XVII. **Frequency optimization of laminated folded composite plates**
TOPAL U., Uzman U.
MATERIALS & DESIGN, cilt.30, sa.3, ss.494-501, 2009 (SCI-Expanded)
- XVIII. **Strength optimization of laminated composite plates**
TOPAL U., Uzman U.
JOURNAL OF COMPOSITE MATERIALS, cilt.42, sa.17, ss.1731-1746, 2008 (SCI-Expanded)
- XIX. **Thermal buckling load optimization of laminated composite plates**
TOPAL U., Uzman U.
THIN-WALLED STRUCTURES, cilt.46, sa.6, ss.667-675, 2008 (SCI-Expanded)
- XX. **Maximization of buckling load of laminated composite plates with central circular holes using MFD method**
TOPAL U., Uzman U.
STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION, cilt.35, sa.2, ss.131-139, 2008 (SCI-Expanded)
- XXI. **Frequency optimization of laminated composite angle-ply plates with circular hole**
TOPAL U., Uman U.
MATERIALS & DESIGN, cilt.29, sa.8, ss.1512-1517, 2008 (SCI-Expanded)
- XXII. **Optimum design of laminated composite plates to maximize buckling load using MFD method**
Topal U., Uzman U.
THIN-WALLED STRUCTURES, cilt.45, ss.660-669, 2007 (SCI-Expanded)
- XXIII. **Optimal design of laminated composite plates to maximise fundamental frequency using MFD method**
Topal U., Uzman U.
STRUCTURAL ENGINEERING AND MECHANICS, cilt.24, sa.4, ss.479-491, 2006 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Evaluation of the seismic behavior of semi-supported steel shear walls with different ratio and shape of openings**
Kholerdi S. E. S., Nazarimofrad E., Farrokhzad M., TOPAL U.
AUSTRALIAN JOURNAL OF STRUCTURAL ENGINEERING, cilt.19, sa.2, ss.118-130, 2018 (ESCI)

Metrikler

Yayın: 46

Atıf (WoS): 469

Atıf (Scopus): 529

H-İndeks (WoS): 13

H-İndeks (Scopus): 13