

# Prof. AYŞE DALOĞLU

## Personal Information

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## International Researcher IDs

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Yoksis Researcher ID: 151397

## Education Information

Doctorate, Texas Tech University, Graduate Faculty, Civil Engineering, United States Of America 1988 - 1992

Postgraduate, Karadeniz Technical University, Fen Bilimleri, İnşaat Mühendisliği, Turkey 1983 - 1985

Undergraduate, Karadeniz Technical University, İnşaat Mimarlık Fakültesi, İnşaat Mühendisliği, Turkey 1979 - 1983

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, A Consistent Vlasov Model for the Analysis of Plates on Elastic Foundations using Finite Element Method, Texas Tech University, Graduate School, Civil Engineering, 1992

Postgraduate, Düzlem ve Uzay Kafes Sistemlerin Lineer Olmayan Analizi, Karadeniz Technical University, Fen Bilimleri, İnşaat Mühendisliği, 1985

## Research Areas

Civil Engineering, Structure, Structural Engineering, Steel Structures, Engineering and Technology

## Academic Titles / Tasks

Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2005 - Continues

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 1999 - 2005

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 1993 - 2000

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 1985 - 1993

## Academic and Administrative Experience

Head of Department, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2017 - 2023

Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2008 - 2018

Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2008 - 2010

Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2001 - 2004

## Advising Theses

DALOĞLU A., Thesis, Postgraduate, U.Karabulut(Student), 2018

DALOĞLU A., Thesis, Postgraduate, D.Durukan(Student), 2013

DALOĞLU A., Thesis, Postgraduate, M.Vural(Student), 2012

DALOĞLU A., Thesis, Postgraduate, A.İhsan(Student), 2012

DALOĞLU A., Thesis, Postgraduate, C.Terzi(Student), 2011

DALOĞLU A., Thesis, Postgraduate, F.Yilmaz(Student), 2010

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

- I. **Optimum design of steel frames against progressive collapse by guided simulated annealing algorithm**  
Tayfur B., Daloğlu A.  
STEEL AND COMPOSITE STRUCTURES, vol.50, no.5, pp.583-594, 2024 (SCI-Expanded)
- II. **Optimal design of a wind turbine supporting system accounting for soil-structure interaction**  
KARAKAŞ A. İ., DALOĞLU A.  
Structural Engineering and Mechanics, vol.88, no.3, pp.273-285, 2023 (SCI-Expanded)
- III. **An Investigation on the Behavior of 3D Steel Frames Under Progressive Collapse Effect Using Nonlinear Dynamic Analysis**  
Tayfur B., DALOĞLU A.  
INTERNATIONAL JOURNAL OF STEEL STRUCTURES, vol.23, no.3, pp.767-779, 2023 (SCI-Expanded)
- IV. **Soil-Structure Interaction Effect on the Resistance of a Steel Frame against Progressive Collapse Using Linear Static and Nonlinear Dynamic Procedures**  
Özgan K., Kılıçer S., Daloğlu A.  
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.37, no.1, 2023 (SCI-Expanded)
- V. **Hybrid tabu search algorithm for weight optimization of planar steel frames**  
Tayfur B., Yilmaz H., DALOĞLU A.  
ENGINEERING OPTIMIZATION, vol.53, no.8, pp.1369-1383, 2021 (SCI-Expanded)
- VI. **Investigation of time-history response of a historical masonry minaret under seismic loads**  
Yurdakul M., Yilmaz F., Artar M., Can O., Oner E., Daloğlu A.  
STRUCTURES, vol.30, pp.265-276, 2021 (SCI-Expanded)
- VII. **A research on optimum designs of steel frames including soil effects or semi rigid supports using Jaya algorithm**  
ARTAR M., Daloğlu A.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.73, no.2, pp.153-165, 2020 (SCI-Expanded)
- VIII. **Optimum design of steel space truss towers under seismic effect using Jaya algorithm**  
Artar M., DALOĞLU A.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.71, no.1, pp.1-12, 2019 (SCI-Expanded)
- IX. **Optimum weight design of steel space frames with semi-rigid connections using harmony search and genetic algorithms**  
Artar M., DALOĞLU A.  
NEURAL COMPUTING & APPLICATIONS, vol.29, no.11, pp.1089-1100, 2018 (SCI-Expanded)
- X. **Soil-structure interaction effects on seismic behavior of a hyperbolic cooling tower using three-parameter Vlasov foundation model**

- Karakaş A. İ., Özgan K., Daloğlu A.  
EARTHQUAKES AND STRUCTURES, vol.14, no.1, pp.85-94, 2018 (SCI-Expanded)
- XI. **Optimum Design of Braced Steel Space Frames including Soil-Structure Interaction via Teaching-Learning-Based Optimization and Harmony Search Algorithms**  
Daloğlu A., Artar M., Özgan K., Karakaş A. İ.  
ADVANCES IN CIVIL ENGINEERING, vol.2018, 2018 (SCI-Expanded)
- XII. **Optimum design of steel bridges including corrosion effect using TLBO**  
Artar M., Catar R., DALOĞLU A.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.63, no.5, pp.607-615, 2017 (SCI-Expanded)
- XIII. **Optimum design of steel space frames including soil-structure interaction**  
Daloğlu A., Artar M., Özgan K., Karakaş A. İ.  
STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION, vol.54, no.1, pp.117-131, 2016 (SCI-Expanded)
- XIV. **A consistent FEM-Vlasov model for hyperbolic cooling towers on layered soil under unsymmetrical wind load**  
KARAKAŞ A. İ., ÖZGAN K., DALOĞLU A.  
WIND AND STRUCTURES, vol.22, no.6, pp.617-633, 2016 (SCI-Expanded)
- XV. **A parametric study for free vibration analysis of hyperbolic cooling towers on elastic foundation using consistent FEM-Vlasov model**  
KARAKAŞ A. İ., ÖZGAN K., DALOĞLU A.  
ARCHIVE OF APPLIED MECHANICS, vol.86, no.5, pp.869-882, 2016 (SCI-Expanded)
- XVI. **Genetic Algorithms for Optimization of 3D Truss Structures**  
TOĞAN V., Daloglu A.  
METAHEURISTICS AND OPTIMIZATION IN CIVIL ENGINEERING, vol.7, pp.115-134, 2016 (SCI-Expanded)
- XVII. **Optimum design of composite steel frames with semi-rigid connections and column bases via genetic algorithm**  
ARTAR M., Daloglu A. T.  
STEEL AND COMPOSITE STRUCTURES, vol.19, no.4, pp.1035-1053, 2015 (SCI-Expanded)
- XVIII. **Application of graded harmonic FE in the analysis of 2D-FGM axisymmetric structures**  
KARAKAŞ A. İ., DALOĞLU A.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.55, no.3, pp.473-494, 2015 (SCI-Expanded)
- XIX. **Optimum design of steel space frames with composite beams using genetic algorithm**  
ARTAR M., Daloglu A.  
STEEL AND COMPOSITE STRUCTURES, vol.19, no.2, pp.503-519, 2015 (SCI-Expanded)
- XX. **Optimum design of steel frames with semi-rigid connections and composite beams**  
Artar M., DALOĞLU A.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.55, no.2, pp.299-313, 2015 (SCI-Expanded)
- XXI. **The Optimization of Multi-Storey Composite Steel Frames with Genetic Algorithm Including Dynamic Constraints**  
ARTAR M., DALOĞLU A.  
TEKNIK DERGI, vol.26, no.2, pp.7077-7098, 2015 (SCI-Expanded)
- XXII. **Çok Katlı Kompozit Çelik Çerçevelerin Genetik Algoritma ile Dinamik Sınırlayıcı Optimizasyonu**  
ARTAR M., DALOĞLU A.  
TEKNIK DERGI, vol.26, no.2, pp.7977-7098, 2015 (SCI-Expanded)
- XXIII. **Evaluation of Ground Snow Loads in Turkish Codes Via Statistical Analysis of Turkey Snow Data**  
Durmaz M., DALOĞLU A.  
TEKNIK DERGI, vol.25, no.4, pp.6889-6908, 2014 (SCI-Expanded)
- XXIV. **Dynamic analysis of thick plates on elastic foundations using Winkler foundation model**  
ÖZGAN K., DALOĞLU A.  
SCIENTIA IRANICA, vol.21, no.1, pp.11-18, 2014 (SCI-Expanded)
- XXV. **A parametric study for thick plates resting on elastic foundation with variable soil depth**  
ÖZGAN K., DALOĞLU A., KARAKAŞ A. İ.

- ARCHIVE OF APPLIED MECHANICS, vol.83, no.4, pp.549-558, 2013 (SCI-Expanded)
- XXVI. **Free vibration analysis of thick plates on elastic foundations using modified Vlasov model with higher order finite elements**  
Özgan K., Daloglu A.  
INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, vol.19, no.4, pp.279-291, 2012 (SCI-Expanded)
- XXVII. **Shear Locking Free Finite Elements for Thick Plates on Elastic Foundations**  
ÖZGAN K., DALOĞLU A.  
TEKNIK DERGI, vol.22, no.2, pp.5341-5358, 2011 (SCI-Expanded)
- XXVIII. **Optimization of trusses under uncertainties with harmony search**  
TOĞAN V., DALOĞLU A., Karadeniz H.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.37, no.5, pp.543-560, 2011 (SCI-Expanded)
- XXIX. **An integrated framework including distinct algorithms for optimization of offshore towers under uncertainties**  
TOĞAN V., Karadeniz H., DALOĞLU A.  
RELIABILITY ENGINEERING & SYSTEM SAFETY, vol.95, no.8, pp.847-858, 2010 (SCI-Expanded)
- XXX. **Reliability-Based Design Optimization of Structural Systems with Continuous and Discrete Design Variables**  
TOĞAN V., DALOĞLU A., Karadeniz H.  
TEKNIK DERGI, vol.21, no.3, pp.5135-5159, 2010 (SCI-Expanded)
- XXXI. **Reliability-based optimisation of offshore jacket-type structures with an integrated-algorithms system**  
Karadeniz H., TOĞAN V., DALOĞLU A., Vrouwenvelder T.  
SHIPS AND OFFSHORE STRUCTURES, vol.5, no.1, pp.67-74, 2010 (SCI-Expanded)
- XXXII. **Bridge truss optimization under moving load using continuous and discrete design variables in optimization methods**  
TOĞAN V., DALOĞLU A.  
INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, vol.16, no.4, pp.245-258, 2009 (SCI-Expanded)
- XXXIII. **Application of the Modified Vlasov Model to the free vibration analysis of thick plates resting on elastic foundations**  
Özgan K., Daloglu A. T.  
SHOCK AND VIBRATION, vol.16, no.5, pp.439-454, 2009 (SCI-Expanded)
- XXXIV. **Effect of transverse shear strains on plates resting on elastic foundation using modified Vlasov model**  
Ozgan K., Daloglu A.  
THIN-WALLED STRUCTURES, vol.46, no.11, pp.1236-1250, 2008 (SCI-Expanded)
- XXXV. **An improved genetic algorithm with initial population strategy and self-adaptive member grouping**  
TOĞAN V., DALOĞLU A.  
COMPUTERS & STRUCTURES, vol.86, pp.1204-1218, 2008 (SCI-Expanded)
- XXXVI. **Alternative plate finite elements for the analysis of thick plates on elastic foundations**  
Ozgan K., Daloglu A. T.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.26, no.1, pp.69-86, 2007 (SCI-Expanded)
- XXXVII. **Frequency analysis of ground snow data and production of the snow load map using geographic information system for the Eastern Black Sea region of Turkey**  
Durmaz M., Daloglu A.  
JOURNAL OF STRUCTURAL ENGINEERING, vol.132, no.7, pp.1166-1177, 2006 (SCI-Expanded)
- XXXVIII. **Optimization of 3d trusses with adaptive approach in genetic algorithms**  
Togan V., Daloglu A.  
ENGINEERING STRUCTURES, vol.28, no.7, pp.1019-1027, 2006 (SCI-Expanded)
- XXXIX. **Kar Verilerinin İstatistiksel Analizi ve Dogu Karadeniz Bölgesinin Zemin Kar Yüku Haritasinin Olusturulmasi**  
DURMAZ M., DALOĞLU A.

- Teknik Dergi, vol.2, no.5, pp.3619-3642, 2005 (SCI-Expanded)
- XL. **The effective depth of soil stratum for plates resting on elastic foundation**  
Daloglu A., Ozgan K.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.18, no.2, pp.263-276, 2004 (SCI-Expanded)
- XLI. **Optimum spacing design of grillage systems using a genetic algorithm**  
Saka M., Daloglu A., Malhas F.  
ADVANCES IN ENGINEERING SOFTWARE, vol.31, no.11, pp.863-873, 2000 (SCI-Expanded)
- XLII. **Values of k for slab on Winkler foundation**  
Daloglu A., Vallabhan C.  
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.126, no.5, pp.463-471, 2000 (SCI-Expanded)
- XLIII. **Optimum design of parabolic and circular arches with varying cross section**  
Uzman U., Daloglu A., Saka M.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.8, no.5, pp.465-476, 1999 (SCI-Expanded)
- XLIV. **Dynamic analysis of foundation plates using a consistent Vlasov model**  
Daloglu A., Dogangun A., Ayvaz Y.  
JOURNAL OF SOUND AND VIBRATION, vol.224, no.5, pp.941-951, 1999 (SCI-Expanded)
- XLV. **Consistent FEM-Vlasov model for plates on layered soil**  
Vallabhan C., Daloglu A.  
JOURNAL OF STRUCTURAL ENGINEERING-ASCE, vol.125, no.1, pp.108-113, 1999 (SCI-Expanded)
- XLVI. **Application of a modified Vlasov model to earthquake analysis of plates resting on elastic foundations**  
Ayvaz Y., Daloglu A., Dogangun A.  
JOURNAL OF SOUND AND VIBRATION, vol.212, no.3, pp.499-509, 1998 (SCI-Expanded)
- XLVII. **Earthquake analysis of beams resting on elastic foundations by using a modified Vlasov model**  
Ayvaz Y., Daloglu A.  
JOURNAL OF SOUND AND VIBRATION, vol.200, no.3, pp.315-325, 1997 (SCI-Expanded)

## Articles Published in Other Journals

- I. **An optimal design approach for steel space frames with T-stub semirigid connections considering soil-structure interaction**  
Prakash J., Daloglu A., Ozgan K.  
Journal of Structural Engineering & Applied Mechanics (Online), vol.7, no.2, pp.104-122, 2024 (Peer-Reviewed Journal)
- II. **Evaluation of progressive collapse potential of a RC school building considering soil-structure interaction**  
Ozgan K., Kiliçer S., Daloglu A.  
Asian Journal of Civil Engineering, vol.24, no.5, pp.1199-1213, 2023 (Scopus)
- III. **Teaching-learning-based optimization of unbraced steel frames with semi-rigid connections and column bases**  
J. P., DALOĞLU A. T.  
Journal of Structural Engineering & Applied Mechanics (Online), vol.6, no.1, pp.27-44, 2023 (Peer-Reviewed Journal)
- IV. **A parametric frequency analysis for functionally graded cylinders using graded harmonic FEM**  
Karakas A. İ., Daloglu A.  
Journal of Structural Engineering & Applied Mechanics, vol.2, no.4, pp.190-206, 2019 (Peer-Reviewed Journal)
- V. **Damage Detection on Steel Plane Trusses via Harmony Search Algorithm**  
ARTAR M., ÇATAR R., DALOĞLU A.  
INTERNATIONAL JOURNAL of ENGINEERING TECHNOLOGIES-IJET, vol.4, no.1, pp.13-20, 2018 (Peer-Reviewed)

Journal)

- VI. **Optimum Design of Braced Steel Space Frames Using Teaching Learning Based Optimization**  
Daloğlu A., Artar M., Özgan K., Karakaş A. İ.  
International Journal of Engineering Technologies IJET, vol.4, no.1, pp.21-26, 2018 (Peer-Reviewed Journal)
- VII. **Effects of soil structure interaction on behavior of reinforced concrete structures**  
Kılıçer S., ÖZGAN K., DALOĞLU A.  
Journal of Structural Engineering Applied Mechanics, vol.1, no.1, pp.28-33, 2018 (Peer-Reviewed Journal)
- VIII. **Effects of soil structure interaction on behavior of reinforced concrete structures**  
KILIÇER S., ÖZGAN K., DALOĞLU A.  
JOURNAL OF STRUCTURAL ENGINEERING & APPLIED MECHANICS, vol.1, pp.28-33, 2018 (Peer-Reviewed Journal)
- IX. **Comparison of Two Metaheuristic Algorithms on Sizing and Topology Optimization of Trusses and Mathematical Functions**  
Mortazavi A., TOĞAN V., DALOĞLU A., NUHOĞLU A.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.2, pp.416-435, 2018 (ESCI)
- X. **Optimum Design of Industrial Structures via Harmony Search Algorithm Including Corrosion Effect**  
ARTAR M., ÇATAR R., DALOĞLU A.  
Technological Applied Sciences, vol.12, pp.105-113, 2017 (Peer-Reviewed Journal)
- XI. **Nonlinear Buckling Analysis of Cold-Formed Channel Sections**  
Durmaz M., DALOĞLU A.  
European Journal of Engineering and Natural Sciences, vol.2, no.1, pp.95-101, 2017 (Peer-Reviewed Journal)
- XII. **Nonlinear finite element analysis of cold-formed steel plain angle columns**  
Durmaz M., DALOĞLU A.  
CHALLENGE JOURNAL OF STRUCTURAL MECHANICS, vol.2, no.4, pp.220-225, 2016 (Peer-Reviewed Journal)
- XIII. **Yapı Zemin Etkileşiminin Betonarme Yapıların Tasarımına Etkisi**  
ÖZGAN K., KILIÇER S., DALOĞLU A., KARAKAŞ A. İ.  
DOKUZ EYLÜL ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ FEN VE MÜHENDİSLİK DERGİSİ, vol.18, no.53, pp.139-152, 2016 (Peer-Reviewed Journal)
- XIV. **Earthquake analysis of hyperbolic cooling towers**  
Özgan K., Karakaş A. İ., Daloglu A.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.22, no.6, pp.433-441, 2016 (ESCI)
- XV. **A Comparative Study on the Behavior of Cooling Towers Under Wind Loads Using Harmonic Solid Ring Finite Elements**  
KARAKAŞ A. İ., DALOĞLU A.  
Kırıkkale Üniversitesi Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, vol.7, no.2, pp.1-16, 2015 (Peer-Reviewed Journal)
- XVI. **Free vibration analysis of thick plates resting on Winkler elastic foundation**  
Özgan K., Daloğlu A.  
CHALLENGE JOURNAL OF STRUCTURAL MECHANICS, vol.1, no.2, pp.37-42, 2015 (Peer-Reviewed Journal)
- XVII. **Free and Forced Vibration Analyses of Hyperbolic Cooling Tower Shell Using Harmonic Solid Ring Finite Elements**  
KARAKAŞ A. İ., DALOĞLU A.  
Journal of Engineering and Fundamentals, vol.2, no.1, pp.38-53, 2015 (Peer-Reviewed Journal)
- XVIII. **Shear and volumetric locking effect on the performance of Harmonic Solid Ring Finite Elements**  
KARAKAŞ A. İ., DALOĞLU A.  
International Journal of Engineering & Applied Sciences, vol.7, no.1, pp.68-85, 2015 (Peer-Reviewed Journal)
- XIX. **DAMAGE DETECTION IN SIMULATED SPACE FRAMES USING GENETIC ALGORITHMS**  
ARTAR M., Daloglu A.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDİSLİK VE FEN BİLİMLERİ DERGİSİ, vol.33, no.2, pp.166-187, 2015 (ESCI)
- XX. **Dynamic response of thick plates on two parameter elastic foundation under time variable loading**

- Özgan K., Daloğlu A.  
INTERNATIONAL JOURNAL OF ENGINEERING & APPLIED SCIENCES, no.6, pp.40-51, 2014 (Peer-Reviewed Journal)
- XXI. **ÇELİK SİSTEMLERİN GENETİK ALGORİTMA İLE DİNAMİK SINIRLAYICILI OPTİMİZASYONU**  
Artar M., DALOĞLU A.  
NİĞDE ÜNİVERSİTESİ MÜHENDİSLİK BİLİMLERİ DERGİSİ, vol.3, no.1, pp.9-24, 2014 (Peer-Reviewed Journal)
- XXII. **Endüstriyel zemin betonlarının tasarımı ve örnek bir proje**  
ÖZGAN K., DALOĞLU A.  
FİRAT ÜNİVERSİTESİ MÜHENDİSLİK BİLİMLERİ DERGİSİ, vol.23, no.1, pp.11-20, 2011 (Peer-Reviewed Journal)
- XXIII. **FAILURE INVESTIGATION OF A ROOF TRUSS IN THE EASTERN BLACK SEA REGION DUE TO THE SNOW LOAD**  
TOĞAN V., DURMAZ M., DALOĞLU A.  
International Journal of Engineering and Applied Sciences (IJEAS), vol.1, no.3, pp.30-42, 2009 (Peer-Reviewed Journal)
- XXIV. **Optimum design of a truss system under the constraint of failure**  
TOĞAN V., DALOĞLU A.  
ARI THE BULLETIN OF THE ISTANBUL TECHNICAL UNIVERSITY, vol.54, no.5, pp.8-19, 2007 (Peer-Reviewed Journal)
- XXV. **Design and reliability based design optimization of a 2D arch bridge**  
TOĞAN V., DALOĞLU A.  
Journal of Engineering and Natural Sciences, vol.1, pp.17-26, 2007 (Peer-Reviewed Journal)
- XXVI. **DESIGN AND RELIABILITY BASED OPTIMIZATION OF A 2D ARCH BRIDGE**  
TOĞAN V., DALOĞLU A.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.25, no.1, pp.17-26, 2007 (ESCI)
- XXVII. **Genetik algoritma ile üç boyutlu kafes sistemlerin şekil ve boyut optimizasyonu**  
TOĞAN V., DALOĞLU A.  
İMO Teknik Dergi, no.17, pp.3089-3824, 2006 (Peer-Reviewed Journal)
- XXVIII. **Reliability and reliability based design optimization**  
TOĞAN V., DALOĞLU A.  
TURKISH JOURNAL OF ENGINEERING AND ENVIRONMENTAL SCIENCES, vol.30, pp.237-249, 2006 (Peer-Reviewed Journal)
- XXIX. **Statistical analysis of Ground Snow Data and Construction of the Ground Snow Load Map of the Eastern Blacksea Region**  
DURMAZ M., DALOĞLU A.  
Teknik Dergi, vol.16, no.3, pp.3619-3642, 2005 (Scopus)
- XXX. **Elastik Zemine Oturan Plaklar İçin Parametreler**  
DALOĞLU A.  
TEKNIK DERGI, vol.15, no.3, pp.3283-3293, 2004 (Scopus)
- XXXI. **Kafes Sistemlerin Uygulamaya Yönelik Optimum tasarımı**  
DALOĞLU A., Aydın Z.  
PAMUKKALE ÜNİVERSİTESİ MÜHENDİSLİK BİLİMLERİ DERGİSİ, vol.5, no.1, pp.865-871, 1999 (ESCI)
- XXXII. **Genetik Algoritma ile Düzlem Çelik Çerçevesinin Optimum Tasarımı**  
DALOĞLU A., Armutçu M.  
TEKNIK DERGI, vol.4, no.8, pp.1601-1615, 1998 (Scopus)
- XXXIII. **Değişken Kesitli Parabolik Kemerlerin Optimum Tasarımı**  
DALOĞLU A., Uzman Ü., Çakıroğlu M.  
TEKNIK DERGI, vol.8, no.3, pp.1429-1443, 1997 (Scopus)

## Books & Book Chapters

## I. ÇELİK YAPILAR

Daloğlu A., Pul S., Özgan K.

Karadeniz Teknik Üniversitesi Yayınları, Trabzon, 2021

## II. Teaching Learning Based Optimum Design of Transmission Tower Structures

Artar M., Daloğlu A.

in: Nature-Inspired Metaheuristic Algorithms for Engineering Optimization, Serdar Carbas, Abdurrahim Toktas, Deniz Ustun, Editor, Springer, Singapore, Singapore, pp.49-64, 2021

## III. Genetic Algorithms for Optimization of 3D Truss Structures

TOĞAN V., DALOĞLU A.

in: Metaheuristics and Optimization in Civil Engineering, Yang Xin-She, Bekdaş G., Nigdeli S. M. , Editor, Springer International Publishing, Switzerland, pp.115-134, 2016

## Refereed Congress / Symposium Publications in Proceedings

### I. Progressive Collapse Analysis of Steel Structures on Elastic Foundation: Part-1. Linear Static Procedures

Kılıçer S., Özgan K., Daloğlu A., İkizler S. B.

14th INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING, İstanbul, Turkey, 6 - 08 September 2021, pp.1221-1228

### II. Progressive Collapse Analysis of Steel Structures on Elastic Foundation: Part-2. Nonlinear Dynamic Procedures

Kılıçer S., Özgan K., Daloğlu A., İkizler S. B.

14th INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING, İstanbul, Turkey, 6 - 08 September 2021, pp.1259-1266

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