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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAD-2639-2019

ScopusID: 12783596200

Yoksis Researcher ID: 55956

Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Müh., Turkey 2004 - 2009

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Müh., Turkey 2001 - 2004

Undergraduate, Karadeniz Technical University, Mühendislik-Mimarlık Fakültesi, İnşaat Müh. Bölümü, Turkey 1997 - 2000

Foreign Languages

English, B2 Upper Intermediate

German, A1 Beginner

Certificates, Courses and Trainings

Education Management and Planning, Temel ve Uygulamalı Bilimlerde Araştırma Projesi Hazırlama Eğitimi, Karadeniz Teknik Üniversitesi, TÜBİTAK, 2014

Education Management and Planning, Deprem Bölgelerinde Yapılacak Binalar Hakkında Yönetmelik ile ilgili İnşaat Mühendislerinin Eğitimi, T.C. Çevre ve Şehircilik Bakanlığı, 2012

Dissertations

Doctorate, Açık Deniz Yapılarının Güvenilirliğe Dayalı Optimizasyonu, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Müh., 2009

Postgraduate, Kafes Sistemlerin Sabit ve Katar Yükleri altında Genetik Algoritma ile Boyut ve Şekil Optimizasyonu, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Müh., 2004

Research Areas

Civil Engineering, Structure, Structural Engineering, Building Management, Informatics in Construction Management, Construction Management, Engineering and Technology

Academic Titles / Tasks

Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2019 - Continues
Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2014 - 2019
Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2011 - 2014
Research Assistant, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Civil Engineering, 2001 - 2009
Other, Technische Universiteit Delft, Faculty Of Civil Engineering And Geosciences, Structural Engineering, 2007 - 2008
Other, Ruhr-Universitaet Bochum, Faculty Of Civil And Environmental Engineering, Computational Engineering, 2004 - 2005

Academic and Administrative Experience

Karadeniz Technical University, Mühendislik Fak., İnşaat Müh., 2014 - Continues

Advising Theses

Toğan V., Maalek R., INTELLIGENT OPTIMIZATION OF STEEL STRUCTURES THROUGH BIM-BASED VISUAL PROGRAMMING PLATFORM AND TOOLS, Postgraduate, F.YAVAN(Student), 2023
Toğan V., AN INVESTIGATION INTO DELAY FACTORS IN BUILDING CONSTRUCTION PROJECTS; CASE OF HARGEISA, SOMALILAND, Postgraduate, A.ABDI(Student), 2022
Toğan V., Kamu yapım işi ihalelerinde uygun yüklenici tahmini için makine öğrenmesine dayalı bir karar destek sistemi önerisi, Doctorate, D.TEKİN(Student), 2022
Toğan V., KAMU BİNA YAPIM İŞLERİNDEN SÜRE VE MALİYET SAPMALARININ ERKEN TESPİTİ İÇİN KAZANILMIŞ DEĞER ANALİZİNE DAYALI BİR İZLEME SİSTEMİNİN GELİŞTİRİLMESİ, Doctorate, A.GÜNEYDİN(Student), 2022
TOĞAN V., Zaman Maliyet Ödünleşim Problemlerinin Çözümü İçin Yeni Değiştirilmiş Uyarlanabilir Ağırlık Yaklaşımı, Postgraduate, N.Berberoğlu(Student), 2019
TOĞAN V., Görsel-İşitsel Materyallerin Yapım Teknolojisi Alanında Kullanılabilirliği Üzerine Bir Araştırma, Postgraduate, E.Boz(Student), 2019
TOĞAN V., Pareto-Front Performance of Multiobjective Teaching Learning Based Optimization Algorithm on Time-Cost Trade-Off Optimization Problems, Postgraduate, M.Azim(Student), 2018
TOĞAN V., Yenileme Projelerinin Yönetim Süreçlerinde Yapı Bilgi Modellemesinin Kullanımı: Vaka Çalışması, Postgraduate, Ü.Bahadır(Student), 2018
TOĞAN V., Şantiyelerde İş Sağlığı ve Güvenliği Açısından Risk Değerlendirmesinde Bulanık Çıkarım Tekniğinin Kullanımı, Postgraduate, A.Çebi(Student), 2014

Jury Memberships

Post Graduate, YüksekLisans sınav Jürisi, KTÜ Fen Bilimleri Enstitüsü, Temmuz 2014, Karadeniz Teknik Üniversitesi/Fen Bilimleri Enstitüsü, July, 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Structural Modal Calibration of Historical Masonry Arch Bridge by Using a Novel Deep Neural Network Approach

- Alpaslan E., HACIEFENDİOĞLU K., Yılmaz M. F., Demir G., Mostofi F., TOĞAN V.
Iranian Journal of Science and Technology - Transactions of Civil Engineering, vol.48, no.1, pp.329-352, 2024 (SCI-Expanded)
- II. **Automatic landslide detection and visualization by using deep ensemble learning method**
HACIEFENDİOĞLU K., VAROL N., TOĞAN V., BAHADIR Ü., Kartal M. E.
Neural Computing and Applications, 2024 (SCI-Expanded)
- III. **Construction safety predictions with multi-head attention graph and sparse accident networks**
Mostofi F., TOĞAN V.
AUTOMATION IN CONSTRUCTION, vol.156, 2023 (SCI-Expanded)
- IV. **A Data-Driven Recommendation System for Construction Safety Risk Assessment**
Mostofi F., TOĞAN V.
JOURNAL OF CONSTRUCTION ENGINEERING AND MANAGEMENT, vol.149, no.12, 2023 (SCI-Expanded)
- V. **Multiedge Graph Convolutional Network for House Price Prediction**
Mostofi F., TOĞAN V., BAŞAĞA H. B., Çltıplıoğlu A., Tokdemir O. B.
JOURNAL OF CONSTRUCTION ENGINEERING AND MANAGEMENT, vol.149, no.11, 2023 (SCI-Expanded)
- VI. **Investigation of Global Warming Potential of Concrete with Silica Fume and Blast Furnace Slag**
NAYIR S., BAHADIR Ü., TOĞAN V.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, 2023 (SCI-Expanded)
- VII. **Comprehensive Root Cause Analysis of Construction Defects Using Semisupervised Graph Representation Learning**
Mostofi F., Tokdemir O. B., TOĞAN V.
JOURNAL OF CONSTRUCTION ENGINEERING AND MANAGEMENT, vol.149, no.9, 2023 (SCI-Expanded)
- VIII. **A novel oppositional teaching learning strategy based on the golden ratio to solve the Time-Cost-Environmental impact Trade-Off optimization problems**
Eırgash M. A., TOĞAN V.
EXPERT SYSTEMS WITH APPLICATIONS, vol.224, 2023 (SCI-Expanded)
- IX. **Modified dynamic opposite learning assisted TLBO for solving Time-Cost optimization in generalized construction projects**
Azim Eırgash M., TOĞAN V., DEDE T., Basri Başaǵa H. B.
STRUCTURES, vol.53, pp.806-821, 2023 (SCI-Expanded)
- X. **Construction Safety Risk Model with Construction Accident Network: A Graph Convolutional Network Approach**
Mostofi F., TOĞAN V., Ayözen Y. E., Tokdemir O. B.
SUSTAINABILITY, vol.14, no.23, 2022 (SCI-Expanded)
- XI. **Damage detection in anisotropic-laminated composite beams based on incomplete modal data and teaching-learning-based optimization**
ŞİMSEK S., KAHYA V., ADIYAMAN G., TOĞAN V.
STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION, vol.65, no.11, 2022 (SCI-Expanded)
- XII. **Predicting the Impact of Construction Rework Cost Using an Ensemble Classifier**
Mostofi F., TOĞAN V., Ayozen Y. E., Tokdemir O. B.
SUSTAINABILITY, vol.14, no.22, 2022 (SCI-Expanded)
- XIII. **Customized AutoML: An Automated Machine Learning System for Predicting Severity of Construction Accidents**
TOĞAN V., Mostofi F., Ayoezen Y. E., Tokdemir O. B.
BUILDINGS, vol.12, no.11, 2022 (SCI-Expanded)
- XIV. **CAM-K: a novel framework for automated estimating pixel area using K-Means algorithm integrated with deep learning based-CAM visualization techniques**
Haciefendioglu K., Mostofi F., Togan V., Basaga H. B.
NEURAL COMPUTING & APPLICATIONS, vol.34, no.20, pp.17741-17759, 2022 (SCI-Expanded)
- XV. **Wood construction damage detection and localization using deep convolutional neural network with**

- transfer learning**
HACİEFENDİOĞLU K., AYAS S., BAŞAĞA H. B., TOĞAN V., Mostofi F., Can A.
EUROPEAN JOURNAL OF WOOD AND WOOD PRODUCTS, vol.80, no.4, pp.791-804, 2022 (SCI-Expanded)
- XVI. **Vibration-based damage detection in anisotropic laminated composite beams by a shear-deformable finite element and harmony search optimization**
KAHYA V., ŞİMŞEK S., TOĞAN V.
STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION, vol.65, no.6, 2022 (SCI-Expanded)
- XVII. **Optimizing of Discrete Time-Cost in Construction Projects Using New Adaptive Weight Formulations**
TOĞAN V., Berberoglu N., DEDE T.
KSCE JOURNAL OF CIVIL ENGINEERING, vol.26, no.2, pp.511-521, 2022 (SCI-Expanded)
- XVIII. **The Effects of Structural Lightweight Concrete on Energy Performance and Life Cycle Cost in Residential Buildings**
NAYIR S., BAHADIR Ü., ERDOĞDU Ş., TOĞAN V.
PERIODICA POLYTECHNICA-CIVIL ENGINEERING, vol.65, no.2, pp.500-509, 2021 (SCI-Expanded)
- XIX. **New adaptive weight formulations for time-cost optimization**
TOĞAN V., Berberoglu N., Basri Başağa H. B.
STRUCTURES, vol.28, pp.2291-2299, 2020 (SCI-Expanded)
- XX. **Credit Success Rates of Certified Green Buildings in Turkey**
Thomollari X., TOĞAN V.
TEKNIK DERGI, vol.31, no.4, pp.10063-10084, 2020 (SCI-Expanded)
- XXI. **Time-Cost Trade-Off Optimization with a New Initial Population Approach**
TOĞAN V., EIRGAS M. A.
TEKNIK DERGI, vol.30, no.6, pp.9561-9580, 2019 (SCI-Expanded)
- XXII. **A multi-objective decision making model based on TLBO for the time - cost trade-off problems**
EIRGASH M. A., TOĞAN V., DEDE T.
STRUCTURAL ENGINEERING AND MECHANICS, vol.71, no.2, pp.139-151, 2019 (SCI-Expanded)
- XXIII. **Time-Cost Trade-off Optimization of Construction Projects using Teaching Learning Based Optimization**
TOĞAN V., EIRGASH M. A.
KSCE JOURNAL OF CIVIL ENGINEERING, vol.23, no.1, pp.10-20, 2019 (SCI-Expanded)
- XXIV. **Solution of structural and mathematical optimization problems using a new hybrid swarm intelligence optimization algorithm**
Mortazavi A., TOĞAN V., Moloodpoor M.
ADVANCES IN ENGINEERING SOFTWARE, vol.127, pp.106-123, 2019 (SCI-Expanded)
- XXV. **Interactive search algorithm: A new hybrid metaheuristic optimization algorithm**
Mortazavi A., TOĞAN V., NUHOĞLU A.
Engineering Applications of Artificial Intelligence, vol.71, pp.275-292, 2018 (SCI-Expanded)
- XXVI. **Advanced Optimization Techniques and Their Applications in Civil Engineering**
DEDE T., Kripka M., TOĞAN V., YEPES V., Rao R. V.
ADVANCES IN CIVIL ENGINEERING, vol.2018, 2018 (SCI-Expanded)
- XXVII. **An integrated particle swarm optimizer for optimization of truss structures with discrete variables**
Mortazavi A., TOĞAN V., NUHOĞLU A.
STRUCTURAL ENGINEERING AND MECHANICS, vol.61, no.3, pp.359-370, 2017 (SCI-Expanded)
- XXVIII. **Sizing and layout design of truss structures under dynamic and static constraints with an integrated particle swarm optimization algorithm**
Mortazavi A., TOĞAN V.
APPLIED SOFT COMPUTING, vol.51, pp.239-252, 2017 (SCI-Expanded)
- XXIX. **WEIGHT MINIMIZATION OF TRUSS STRUCTURES WITH SIZING AND LAYOUT VARIABLES USING INTEGRATED PARTICLE SWARM OPTIMIZER**
Mortazavi A., TOĞAN V., NUHOĞLU A.
JOURNAL OF CIVIL ENGINEERING AND MANAGEMENT, vol.23, no.8, pp.985-1001, 2017 (SCI-Expanded)

- XXX. **Simultaneous size, shape, and topology optimization of truss structures using integrated particle swarm optimizer**
 Mortazavi A., TOĞAN V.
 STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION, vol.54, no.4, pp.715-736, 2016 (SCI-Expanded)
- XXXI. **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)
- XXXII. **A teaching learning based optimization for truss structures with frequency constraints**
 DEDE T., TOĞAN V.
 STRUCTURAL ENGINEERING AND MECHANICS, vol.53, no.4, pp.833-845, 2015 (SCI-Expanded)
- XXXIII. **Design of pin jointed structures using teaching-learning based optimization**
 Togan V.
 STRUCTURAL ENGINEERING AND MECHANICS, vol.47, no.2, pp.209-225, 2013 (SCI-Expanded)
- XXXIV. **Optimization of Monopod Offshore Tower under Uncertainties with Gradient-Based and Gradient-Free Optimization Algorithms**
 Togan V.
 ADVANCES IN STRUCTURAL ENGINEERING, vol.15, no.12, pp.2021-2032, 2012 (SCI-Expanded)
- XXXV. **Design of planar steel frames using Teaching-Learning Based Optimization**
 Togan V.
 ENGINEERING STRUCTURES, vol.34, pp.225-232, 2012 (SCI-Expanded)
- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **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)
- XXXIX. **Optimization of Steel Monopod-Offshore-Towers Under Probabilistic Constraints**
 Karadeniz H., TOĞAN V., Vrouwenvelder T.
 JOURNAL OF OFFSHORE MECHANICS AND ARCTIC ENGINEERING-TRANSACTIONS OF THE ASME, vol.132, no.2, 2010 (SCI-Expanded)
- XL. **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)
- XLI. **An integrated reliability-based design optimization of offshore towers**
 Karadeniz H., TOĞAN V., Vrouwenvelder T.
 RELIABILITY ENGINEERING & SYSTEM SAFETY, vol.94, no.10, pp.1510-1516, 2009 (SCI-Expanded)
- XLII. **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)
- XLIII. **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)
- XLIV. **River water quality management model using genetic algorithm**
 Aras E., Togan V., BERKUN M.

- ENVIRONMENTAL FLUID MECHANICS, vol.7, no.5, pp.439-450, 2007 (SCI-Expanded)
- XLV. 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)
- ### Articles Published in Other Journals
- I. **Prioritising and selecting the railway routes planned in the Eastern Black Sea Region with the AHP and TOPSIS methods**
Boz E., TÜRK E., TOĞAN V.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BİLİMLERİ DERGİSİ, no.6, pp.617-627, 2023 (ESCI)
 - II. **An Investigation into delay factors in building construction projects; Case of Hargeisa, Somaliland**
Mohamoud A. A., Toğan V.
Journal of Construction Engineering, Technology & Management, vol.12, no.2, pp.30-41, 2022 (Peer-Reviewed Journal)
 - III. **Real-estate price prediction with deep neural network and principal component analysis**
Mostofi F., TOĞAN V., BAŞAĞA H. B.
ORGANIZATION TECHNOLOGY AND MANAGEMENT IN CONSTRUCTION, vol.14, no.1, pp.2741-2759, 2022 (ESCI)
 - IV. **Evaluation of structural lightweight concrete in terms of energy performance: A case study**
Nayir S., Bahadır Ü., Erdoğdu Ş., Toğan V.
Pamukkale University Journal of Engineering Science, vol.27, no.6, pp.696-702, 2021 (ESCI)
 - V. **House price prediction: A data-centric aspect approach on performance of combined principal component analysis with deep neural network model**
Mostofi F., Toğan V., Başağa H. B.
Journal of Construction Engineering, Management & Innovation, vol.4, no.2, pp.106-116, 2021 (Peer-Reviewed Journal)
 - VI. **Using Audio Visual Materials for Civil Engineering Students to Gain Field Experience in Schools: Stone Wall Example**
Boz E., Toğan V.
Journal of Education and New Approaches, vol.4, no.1, pp.14-27, 2021 (Peer-Reviewed Journal)
 - VII. **Energy and economic performance analysis of different ventilated wall construction types in residential buildings**
Bahadır Ü., Thomollari X., Maçka Kalfa S., Toğan V.
Journal of Construction Engineering, Management & Innovation, vol.3, no.4, pp.305-318, 2020 (Peer-Reviewed Journal)
 - VIII. **Usage of Optimization Techniques in Civil Engineering During the Last Two Decades**
DEDE T., Kripka M., TOĞAN V., YEPES V., RAO R. V.
Current Trends in Civil & Structural Engineering, no.2, pp.1-17, 2019 (Peer-Reviewed Journal)
 - IX. **Evaluation of Energy-Cost Efficient Design Alternatives for Residential Buildings**
BAHADIR Ü., THOMOLLARI X., TOĞAN V.
Journal of Construction Engineering, Management & Innovation, vol.1, pp.43-54, 2018 (Peer-Reviewed Journal)
 - X. **Evaluation of Energy-Cost Efficient Design Alternatives for Residential Building**
BAHADIR Ü., THOMOLLARI X., TOĞAN V.
Journal of Construction Engineering, Management Innovation, vol.1, no.1, pp.43-54, 2018 (Peer-Reviewed Journal)
 - XI. **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)
 - XII. **Application of Earned Value Based Metrics to Enhance the Performance Measurement of Engineering**

Project Management

Eırgash M. A., TOĞAN V., Kazaz A.

Nevşehir Bilim ve Teknoloji Dergisi, vol.6, pp.431-439, 2017 (Peer-Reviewed Journal)

- XIII. **WATER TANK USAGE IN BUILDING SITES IN TURKEY: AN INTERNET-BASED STUDY WITH CIVIL ENGINEERS**

TOĞAN V., BAŞAĞA H. B., DEDE T., Kolaylı C. C., Şahin K., TOPBAŞ M.

The Turkish Journal of Occupational / Environmental Medicine and Safety, no.2, pp.412-419, 2017 (Peer-Reviewed Journal)

- XIV. **Reducing water consumption with sustainable building design; a case study**

THOMOLLARI X., BAHADIR Ü., TOĞAN V., TOKDEMİR O. B.

The Turkish Journal Of Occupational / Environmental Medicine and Safety, vol.2, pp.55, 2017 (Peer-Reviewed Journal)

- XV. **Evaluation of water consumption and drinking water preferences in various areas of workers working in the construction sector of Trabzon**

BAHADIR Ü., TEMEL B. A., DEMİRTAŞ Y., TOĞAN V., BAŞAĞA H. B., DİLAYER İ., TOPBAŞ M.

The Turkish Journal Of Occupational / Environmental Medicine and Safety, vol.2, no.1, pp.52, 2017 (Peer-Reviewed Journal)

- XVI. **Triangular units based method for simultaneous optimizations of planar trusses**

Mortazavi A., TOĞAN V.

ADVANCES IN COMPUTATIONAL DESIGN, vol.2, no.3, pp.195-210, 2017 (ESCI)

- XVII. **Sizing optimization of skeletal structures using teaching-learning based optimization**

TOĞAN V., Mortazavi A.

An International Journal of Optimization and Control: Theories & Applications, no.7, pp.130-141, 2017 (Peer-Reviewed Journal)

- XVIII. **Time-Cost Trade off Optimization for Construction Projects Using an Optimization Engine**

EIRGASH M. A., TOĞAN V., DEDE T., BAŞAĞA H. B.

Eurasian Journal of Engineering Sciences and Technology, vol.1, pp.54-68, 2017 (Peer-Reviewed Journal)

- XIX. **A fuzzy inference based model for evaluation on occupational risks at construction site**

Çebi A., TOĞAN V., Çebi S.

International Journal of Civil Engineering and Applications, vol.5, no.1, pp.61-77, 2016 (Peer-Reviewed Journal)

- XX. **A fuzzy inference based model for evaluation of occupational risks at construction site**

Çebi A., TOĞAN V., ÇEBİ S.

International Journal of Civil Engineering and Applications, vol.5, no.1, pp.61-77, 2016 (Peer-Reviewed Journal)

- XXI. **İş güvenliği mevzuatı ile ilgili standartlara göre yapı işlerinde kullanılacak iskelelerde aranan özellikler**

TOĞAN V., BAŞAĞA H. B., DEDE T., TEMEL B. A.

İMO Trabzon Şubesi Bülteni, 2015 (Non Peer-Reviewed Journal)

- XXII. **2012 ve 2013 Yılları SGK İş Kazası İstatistiklerinin Karşılaştırmalı Analizi**

TOĞAN V., BAŞAĞA H. B., DEDE T., TEMEL B. A., KAMBER YILMAZ G.

İMO Trabzon Şubesi Bülteni, pp.27-37, 2015 (Non 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 BİLİMLERİ DERGİSİ,
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.
TÜRKİSH JOURNAL OF ENGINEERING AND ENVIRONMENTAL SCIENCES, vol.30, pp.237-249, 2006 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Explainable Safety Risk Management in Construction With Unsupervised Learning**
Mostofi F., TOĞAN V.
in: Artificial Intelligence and Machine Learning Techniques for Civil Engineering, Vagelis Plevris, Afaq Ahmad, Nikos D. Lagaros, Editor, IGI Global, pp.273-305, 2023
- II. **Time-Cost Trade-Off Problems with Multi-objective Quasi-Oppositional Teaching Learning-Based Optimization**
Eirgash M. A., TOĞAN V., DEDE T.
in: Advanced Engineering Optimization Through Intelligent Techniques, Ravipudi Venkata Rao, Jan Taler, Editor, Springer, pp.269-277, 2023
- III. **Application of Teaching-Learning-Based Optimization on Solving of Time Cost Optimization Problems**
TOĞAN V., DEDE T., BAŞAĞA H. B.
in: Handbook of AI-based Metaheuristics, Kulkarni Anand J, Siarry Patrick, Editor, CRC Press, Boca Raton, FL, pp.239-262, 2022
- IV. **Solving of Distinct Engineering Optimization Problems Using Metaheuristic Algorithms**
Mortazavi A., Toğan V.
in: Nature-Inspired Metaheuristic Algorithms for Engineering Optimization Applications, Serdar Carbas, Abdurrahim Toktas, Deniz Ustun, Editor, Springer, London/Berlin , Singapore, pp.111-136, 2021
- V. **Metaheuristic Algorithms for Optimal Design of Truss Structures**
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- II. **İş Güvenliği Mevzuatı ile İlgili Standartlara göre Yapı İşlerinde Kullanılacak İskelelerde Aranan Özellikler**
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Activities in Scientific Journals

Journal of Construction Engineering, Management & Innovation, First Editor, 2018 - Continues
Advances in Civil Engineering, Special Issue Editor, 2017 - 2017

Scientific Refereeing

JOURNAL OF ASIAN ARCHITECTURE AND BUILDING ENGINEERING, Journal Indexed in SCI-E, November 2022
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Publication: 143
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Scholarships

Yurt dışı Doktora Araştırma, TUBITAK, 2007 - Continues
Sokrates/Erasmus, University, 2004 - Continues

Awards

TOĞAN V., Yayın Teşvik Ödülleri, TÜBİTAK, June 2013

TOĞAN V., ERASLAN İ., Bölüm Birinciliği, KTÜ İnşaat Müh. Bölümü, July 2000

Non Academic Experience

Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü

Business Establishment Private, Handyman