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Eğitim Bilgileri

Doktora, Bülent Ecevit Üniversitesi, Fen Bilimleri Enstitüsü, Orman Endüstri Mühendisliği, Türkiye 1998 - 2004

Yüksek Lisans, Karadeniz Teknik Üniversitesi, -, Orman Endüstri Mühendisliği, Türkiye 1994 - 1997

Lisans, Karadeniz Teknik Üniversitesi, Orman Fakültesi, Orman Endüstri Mühendisliği, Türkiye 1990 - 1994

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, İşletmelerde Performans Ölçüm ve Denetimi için Bilgisayar Programı Hazırlanması ve Bir Orman Endüstri İşletmesi Uygulaması, Bülent Ecevit Üniversitesi, Orman Endüstri Mühendisliği, 2004

Yüksek Lisans, Okaliptüs (*Eucalyptus camaldulensis*) Odunundan Kereste Üretimi ve Bilgisayar Programı Yardımıyla Randıman Hesaplamaları, Karadeniz Teknik Üniversitesi, Orman Endüstri Mühendisliği, 1997

Araştırma Alanları

Endüstri Mühendisliği, Eniyileme Kuramı ve Yöntemleri, Sezgisel Yöntemler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Doç. Dr., Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği, 2015 - Devam Ediyor

Yrd. Doç. Dr., Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği, 2013 - 2015

Yrd. Doç. Dr., Karadeniz Teknik Üniversitesi, Enerji Sistemleri Mühendisliği, Enerji Sistemleri Mühendisliği, 2012 - 2013

Yrd. Doç. Dr., Karadeniz Teknik Üniversitesi, Of Teknik Eğitim Fakültesi, , 2008 - 2012

Öğretim Görevlisi Dr., Karadeniz Teknik Üniversitesi, Hopa Myo, , 2004 - 2008

Öğretim Görevlisi, Karadeniz Teknik Üniversitesi, Hopa Myo, , 2000 - 2004

AKADEMİK İDARI DENeyİM

Karadeniz Teknik Üniversitesi, Of Teknoloji Fakültesi, Ağaç İşleri Endüstrisi Mühendisliği Bölümü, 2012 - 2013
Karadeniz Teknik Üniversitesi, Of Teknik Eğitim Fakültesi, Mobilya Ve Dekorasyon Eğitimi Bölümü, 2008 - 2012

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A neutrosophic decision-making framework to identify and prioritize limiting factors in wood harvesting**
Singer H., ÖZŞAHİN Ş.
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- II. **Prediction of effect of fabrication parameters on the properties of B4C ceramic particle reinforced AA2024 matrix nanocomposites using neural networks**
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- III. **An interval-valued intuitionistic fuzzy analytic hierarchy process model for understanding consumer decision-making in non-wood forest product purchases**
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- IV. **Applying an interval-valued Pythagorean fuzzy analytic hierarchy process to rank factors influencing wooden outdoor furniture selection**
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- V. **Analysis of Key Attributes of Wooden Toys via an Interval-Valued Spherical Fuzzy Analytic Hierarchy Process**
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- VI. **Optimization of wood machining parameters using artificial neural network in CNC router**
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- VII. **Artificial neural-network optimisation of nail size and spacings of plywood shear wall**
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- IX. **Prediction of noise emission in the machining of wood materials by means of an artificial neural network**
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- X. **Prioritization of factors affecting surface roughness of wood and wood-based materials in CNC machining: a fuzzy analytic hierarchy process model**
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- XI. **The use of an artificial neural network for predicting the gloss of thermally densified wood veneers**
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- XII. **A MULTIPLE CRITERIA ANALYSIS OF FACTORS INFLUENCING SURFACE ROUGHNESS OF WOOD AND WOOD-BASED MATERIALS IN THE PLANING PROCESS**
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- XIII. **Artificial neural network analysis of the effect of matrix size and milling time on the properties of flake Al-Cu-Mg alloy particles synthesized by ball milling**
VAROL T., ÖZŞAHİN Ş.
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- XIV. **Selection of Softwood Species for Structural and Non-Structural Timber Construction by Using the Analytic Hierarchy Process (AHP) and the Multi-Objective Optimization on the Basis of Ratio Analysis (MOORA)**
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- XV. **Prediction of effect of reinforcement content, flake size and flake time on the density and hardness of flake AA2024-SiC nanocomposites using neural networks**
VAROL T., ÇANAKÇI A., ÖZŞAHİN Ş.
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- XVI. **Prediction of equilibrium moisture content and specific gravity of heat treated wood by artificial neural networks**
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- XVII. **Employing an analytic hierarchy process to prioritize factors influencing surface roughness of wood and wood-based materials in the sawing process**
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- XVIII. **Artificial neural network-based prediction technique for coating thickness in Fe-Al coatings fabricated by mechanical milling**
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- XIX. **AN APPLICATION OF ARTIFICIAL NEURAL NETWORKS FOR MODELING FORMALDEHYDE EMISSION BASED ON PROCESS PARAMETERS IN PARTICLEBOARD MANUFACTURING PROCESS**
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- XX. **Employing artificial neural networks for minimizing surface roughness and power consumption in abrasive machining of wood**
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- XXI. **ARTIFICIAL NEURAL NETWORK MODELING TO PREDICT OPTIMUM POWER CONSUMPTION IN WOOD MACHINING**
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- XXII. **Artificial neural network to predict the effect of heat treatment, reinforcement size, and volume fraction on AlCuMg alloy matrix composite properties fabricated by stir casting method**
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- XXIII. **Modeling of the Prediction of Densification Behavior of Powder Metallurgy Al-Cu-Mg/B4C Composites Using Artificial Neural Networks**
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- XXIV. **Comparison of artificial neural network and multiple linear regression models to predict optimum bonding strength of heat treated woods**
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- XXV. **Prediction of Non-Wood Forest Products Trade Using Artificial Neural Networks**

- YILDIRIM İ., ÖZŞAHİN Ş., OKAN O. T.
JOURNAL OF AGRICULTURAL SCIENCE AND TECHNOLOGY, cilt.16, ss.1493-1504, 2014 (SCI-Expanded)
- XXVI. **Prediction of Effect of Reinforcement Size and Volume Fraction on the Abrasive Wear Behavior of AA2014/B4Cp MMCs Using Artificial Neural Network**
ÇANAKÇI A., ÖZŞAHİN Ş., VAROL T.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.39, sa.8, ss.6351-6361, 2014 (SCI-Expanded)
- XXVII. **Prediction of the influence of processing parameters on synthesis of Al₂O₃-B₄C composite powders in a planetary mill using an artificial neural network**
VAROL T., ÇANAKÇI A., ÖZŞAHİN Ş.
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, cilt.21, sa.3, ss.411-420, 2014 (SCI-Expanded)
- XXVIII. **EVALUATION AND OPTIMIZATION OF BENDING MOMENT CAPACITY OF CORNER JOINTS WITH DIFFERENT BORING PLANS IN CABINET CONSTRUCTION**
Malkocoglu A., Yerlikaya N. C., ÖZŞAHİN Ş.
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- XXIX. **Prediction of the optimum veneer drying temperature for good bonding in plywood manufacturing by means of artificial neural network**
ÖZŞAHİN Ş., AYDIN İ.
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- XXX. **Optimization of process parameters in oriented strand board manufacturing with artificial neural network analysis**
Ozsahin S.
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- XXXI. **Artificial neural network modeling to effect of reinforcement properties on the physical and mechanical properties of Al₂O₃-B₄C composites produced by powder metallurgy**
VAROL T., ÇANAKÇI A., ÖZŞAHİN Ş.
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- XXXII. **Optimization of some panel manufacturing parameters for the best bonding strength of plywood**
DEMİRKİR C., ÖZŞAHİN Ş., AYDIN İ., ÇOLAKOĞLU G.
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- XXXIII. **Analysis of the effect of a new process control agent technique on the mechanical milling process using a neural network model: Measurement and modeling**
ÇANAKÇI A., VAROL T., ÖZŞAHİN Ş.
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- XXXIV. **Prediction of effect of volume fraction, compact pressure and milling time on properties of Al-Al₂O₃ MMCs using neural networks**
ÇANAKÇI A., VAROL T., ÖZŞAHİN Ş.
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- XXXV. **Modeling the influence of a process control agent on the properties of metal matrix composite powders using artificial neural networks**
ÇANAKÇI A., ÖZŞAHİN Ş., VAROL T.
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- XXXVI. **THE USE OF AN ARTIFICIAL NEURAL NETWORK FOR MODELING THE MOISTURE ABSORPTION AND THICKNESS SWELLING OF ORIENTED STRAND BOARD**
Ozsahin S.
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- XXXVII. **PREDICTION OF THE FINANCIAL RETURN OF THE PAPER SECTOR WITH ARTIFICIAL NEURAL NETWORKS**
YILDIRIM İ., ÖZŞAHİN Ş., AKYÜZ K. C.
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- I. **Patient Routing for the Emergency Department: A Simulation-Optimization Framework for Reducing Travel and Service Times**
Burak Paç A., Demir M., Genç S., ÖZŞAHİN Ş.
International Journal of Computational and Experimental Science and Engineering, cilt.11, sa.2, ss.1632-1644, 2025 (Scopus)
- II. **Prediction of Surface Roughness and Adhesion Strength of Wood by Artificial Neural Networks**
ÖZŞAHİN Ş., Singer H.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGİSİ, sa.4, ss.889-900, 2019 (ESCI)
- III. **Development of an Artificial Neural Network Model to Minimize Power Consumption in the Milling of Heat-Treated and Untreated Wood**
ÖZŞAHİN Ş., Singer H.
KASTAMONU UNIVERSITY JOURNAL OF FORESTRY FACULTY, cilt.19, sa.3, ss.317-328, 2019 (ESCI)
- IV. **Odun Yüzey Pürüzlülüğü Tahmininde Bir Yapay Sinir Ağı Modelinin Kullanılması**
ÖZŞAHİN Ş., SİNGER H.
DÜZCE ÜNİVERSİTESİ BİLİM VE TEKNOLOJİ DERGİSİ, cilt.7, sa.3, ss.1764-1777, 2019 (Hakemli Dergi)
- V. **Odun yüzey pürüzlülüğü tahmininde bir yapay sinir ağı modelinin kullanılması**
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Düzce Üniversitesi Bilim ve Teknoloji Dergisi, cilt.7, sa.3, ss.1764-1777, 2019 (Hakemli Dergi)
- VI. **Artificial Neural Network-Based New Methodology for Modeling of Asphalt Mixtures and Comparison with IKE Method**
İSKENDER E., AKSOY A., ÖZŞAHİN Ş., KAHRAMAN H. T., KONAK S. D.
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- VII. **Artificial Neural Network Approach to Predict the Abrasive Wear of AA2024-B4C Composites**
ÇANAKÇI A., VAROL T., ÖZŞAHİN Ş., ÖZKAYA S.
Universal Journal of Materials Science, sa.6, ss.111-118, 2014 (Hakemli Dergi)
- VIII. **Okalıptüs Tomruklarından Kereste Biçme Teknikleri**
ÇOLAKOĞLU G., ÖZŞAHİN Ş., AYDIN İ.
Ahşap Yapı Malzemeleri & Sektör Dergisi, sa.10, ss.32-36, 2002 (Hakemsiz Dergi)
- IX. **Fayda-Değer Analizi Bilgisayar Programı ve Bartın-İnkumu Tatil Beldesinde Uygulanışı**
AYTEKİN A., SARAÇOĞLU N., KARAYILMAZLAR S., ÖZŞAHİN Ş.
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- X. **Quick Basic Programlama Diliyle İşletmelerde Bireysel Performans Değerlemeye Yönelik Bir Paket Programın Geliştirilmesi**
BARLI Ö., ÖZŞAHİN Ş.
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Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

- I. **Location selection for the furniture industry by using a goal programming model**
SİNGER H., ÖZŞAHİN Ş.
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- II. **Multicriteria evaluation of structural composite lumber products**
SİNGER H., ÖZŞAHİN Ş.
International Forest Products Congress - ORENKO 2020, Trabzon, Türkiye, 23 - 26 Eylül 2020, ss.86-96
- III. **Using the Anfis Approach to Predict the Noise Level in the Machining of Wood Materials**
SİNGER H., ÖZŞAHİN Ş.
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- IV. **Evaluation of Some Natural Spring Waters in the Eastern Black Sea Region Based on Elements An**

Integrated Mcdm Approach

SİNGER H., ÖZŞAHİN Ş.

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- V. **A Prioritization Study with the Fuzzy Analytic Hierarchy Process Method: Analyzing Wood Surface Roughness Factors**
ÖZŞAHİN Ş., SİNGER H.
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- VI. **Multi-criteria Evaluation of Heavy Metal Pollution of Coruh River Basin**
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- VII. **Prioritization of Factors Influencing Surface Roughness: An Application for the Forest Industry**
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", 3rd International Engineering Research Symposium INERS'19, Düzce, Türkiye, 5 - 07 Eylül 2019, ss.259-265
- VIII. **Comparison of Artificial Neural Network and Multiple Linear Regression Models in Predicting the Surface Roughness of Wood**
SİNGER H., ÖZŞAHİN Ş.
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- IX. **Estimation of The Effects of Veneer Drying Temperatures on Thermal Conductivity of Plywood with Artificial Neural Network Modelling**
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- X. **Employing a multi-criteria decision making method to evaluate engineered wood products and timber**
SİNGER H., ÖZŞAHİN Ş.
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- XI. **Modeling the effects of process parameters on the surface roughness of wood using artificial neural networks**
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- XII. **Optimization of Veneer Drying Temperature for the Best Mechanical Properties of Plywood via Artificial Neural Network**
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- XIII. **Modeling the Effects of Process Parameters on the Surface Roughness of Wood Using Artificial Neural Networks**
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- XIV. **Employing a Multi-Criteria Decision Making Method to Evaluate Engineered Wood Products and Timber**
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The International Forest Products Congress ORENKO 2018, Trabzon, Türkiye, 26 - 29 Eylül 2018, ss.743-755
- XV. **Orman Ürünleri Sanayi Çalışanlarında Motivasyon ve İş Yaşam Kalitesinin Belirlenmesi**
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- XVI. **Orman Ürünleri Sanayinde Tedarik Zinciri Yönetiminin Benimsenmesi ve Müşteri İlişkileri**
YILDIRIM İ., AKYÜZ K. C., AYDIN A., ÖZŞAHİN Ş., AKYÜZ İ.
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- XVII. **Application of Artificial Neural Network for Prediction of Coating Thickness in Fe-Al Coatings**
VAROL T., ÇANAKÇI A., ÖZŞAHİN Ş., ERDEMİR F., ÖZKAYA S.

- 3rd International Porous and Powder Materials Symposium and Exhibition PPM 2017, İzmir, Türkiye, 12 - 15 Ekim 2017, ss.210-214
- XVIII. **Prediction of the Effect of Matrix Size and Milling Time on the Particle Size of Flake Al-Cu-Mg Alloy Particles Using Neural Networks**
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- XIX. **Data Envelopment Analysis for Effectiveness of Health Care Systems of Provinces: A Case Study in Turkey**
MURAT M., AYYILDIZ E., ÖZÇELİK G., ÖZŞAHİN Ş.
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- XX. **An Application on the Similarity of Turkey to the EU in terms of the Quality of Life Using Clustering Analysis**
AYYILDIZ E., MURAT M., ÖZŞAHİN Ş., ÖZÇELİK G.
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- XXI. **Forecasting the Amount of Sulfur Dioxide (SO₂) and Particulate Matter (PM₁₀) in the Air Using Grey Prediction and ARIMA Methods**
ALÇI A., MURAT M., ÖZŞAHİN Ş.
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- XXII. **Location Selection for Solar Energy Fields Using Multi Criteria Decision Making Methods: Case of Turkey**
MERAL G., SEVİNDİ E., ÇAKIR H., KASTAN M., ALÇI A., ÖZŞAHİN Ş.
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- XXIII. **Karar Verme Sürecinde Simülasyon Tekniğinin Kullanımı ve Özel Bir Çay İşleme Tesisinde Uygulama**
KARADAĞ T., ÇAVDAR E., MEYDANKAŞ M., BAHADIR D. N., SANDIKÇI C., AKŞEHİR M. Y., DEMİRCİ E., ÖZŞAHİN Ş., AYYILDIZ E.
Yöneylem Araştırması Endüstri Mühendisliği 36. Ulusal Kongresi, İzmir, Türkiye, 13 - 15 Temmuz 2016, ss.54
- XXIV. **Kuzeydoğu Anadolu Bölgesinde Kurulacak Hava Ayrıştırma Tesisi için AHP ve PROMETHEE Teknikleri ile Yer Seçimi**
YILMAZ H., SAĞLAM C., SARIOĞLU A., ALÇI A., ÖZŞAHİN Ş.
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- XXV. **Application of Back-Propagation Neural Network Technique to Prediction of the Abrasive Wear Behavior of Al₂O₃/B₄C Composite**
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- XXVI. **Prediction Model for Densification Behavior of Powder Metallurgy Al-Cu-Mg/B₄C Composites**
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