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## Kişisel Bilgiler

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## Uluslararası Araştırmacı ID'leri

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Yoksis Araştırmacı ID: 39855

## 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. **Prediction of effect of fabrication parameters on the properties of B4C ceramic particle reinforced AA2024 matrix nanocomposites using neural networks**  
Varol T., Çanakçı A., Özşahin Ş., Beder M., Akçay S. B.  
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- II. **An interval-valued intuitionistic fuzzy analytic hierarchy process model for understanding consumer decision-making in non-wood forest product purchases**  
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JOURNAL OF RETAILING AND CONSUMER SERVICES, cilt.78, 2024 (SSCI)
- III. **Artificial neural-network optimisation of nail size and spacings of plywood shear wall**  
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- IV. **Optimization of wood machining parameters using artificial neural network in CNC router**  
Cakmak A., Malkocoglu A., ÖZŞAHİN Ş.  
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- V. **Applying an interval-valued Pythagorean fuzzy analytic hierarchy process to rank factors influencing wooden outdoor furniture selection**  
Singer H., ÖZŞAHİN Ş.  
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- VI. **Analysis of Key Attributes of Wooden Toys via an Interval-Valued Spherical Fuzzy Analytic Hierarchy Process**  
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- VII. **Prioritization of laminate flooring selection criteria from experts' perspectives: a spherical fuzzy AHP-based model**  
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- VIII. **Prediction of noise emission in the machining of wood materials by means of an artificial neural network**  
ÖZŞAHİN Ş., Singer H.  
NEW ZEALAND JOURNAL OF FORESTRY SCIENCE, cilt.52, ss.1-10, 2022 (SCI-Expanded)
- IX. **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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- X. **A MULTIPLE CRITERIA ANALYSIS OF FACTORS INFLUENCING SURFACE ROUGHNESS OF WOOD AND WOOD-BASED MATERIALS IN THE PLANING PROCESS**  
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CERNE, cilt.26, sa.1, ss.58-65, 2020 (SCI-Expanded)
- XI. **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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- XII. **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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- XIII. **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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- XIV. **Prediction of equilibrium moisture content and specific gravity of heat treated wood by artificial neural networks**  
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- XV. **Artificial neural network-based prediction technique for coating thickness in Fe-Al coatings fabricated by mechanical milling**  
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- XVI. **Employing an analytic hierarchy process to prioritize factors influencing surface roughness of wood and wood-based materials in the sawing process**  
SİNGER H., ÖZŞAHİN Ş.  
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- XVII. **AN APPLICATION OF ARTIFICIAL NEURAL NETWORKS FOR MODELING FORMALDEHYDE EMISSION BASED ON PROCESS PARAMETERS IN PARTICLEBOARD MANUFACTURING PROCESS**  
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- XVIII. **Employing artificial neural networks for minimizing surface roughness and power consumption in abrasive machining of wood**  
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- XIX. **ARTIFICIAL NEURAL NETWORK MODELING TO PREDICT OPTIMUM POWER CONSUMPTION IN WOOD MACHINING**  
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- XX. **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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- XXI. **Modeling of the Prediction of Densification Behavior of Powder Metallurgy Al-Cu-Mg/B4C Composites Using Artificial Neural Networks**  
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- XXII. **Comparison of artificial neural network and multiple linear regression models to predict optimum bonding strength of heat treated woods**  
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- XXIII. **Prediction of Non-Wood Forest Products Trade Using Artificial Neural Networks**  
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- XXIV. **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.  
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- XXV. **Prediction of the influence of processing parameters on synthesis of Al2024-B4C composite**

- powders in a planetary mill using an artificial neural network**  
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- XXVI. **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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- XXVII. **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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- XXVIII. **Optimization of process parameters in oriented strand board manufacturing with artificial neural network analysis**  
Ozsahin S.  
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- XXIX. **Artificial neural network modeling to effect of reinforcement properties on the physical and mechanical properties of Al2024-B4C composites produced by powder metallurgy**  
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- XXX. **Optimization of some panel manufacturing parameters for the best bonding strength of plywood**  
DEMİRKIR C., ÖZŞAHİN Ş., AYDIN İ., ÇOLAKOĞLU G.  
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- XXXI. **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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- XXXII. **Prediction of effect of volume fraction, compact pressure and milling time on properties of Al-Al203 MMCs using neural networks**  
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- XXXIII. **Modeling the influence of a process control agent on the properties of metal matrix composite powders using artificial neural networks**  
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- XXXIV. **THE USE OF AN ARTIFICIAL NEURAL NETWORK FOR MODELING THE MOISTURE ABSORPTION AND THICKNESS SWELLING OF ORIENTED STRAND BOARD**  
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## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Prediction of Surface Roughness and Adhesion Strength of Wood by Artificial Neural Networks**  
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- II. **Odun Yüzey Pürüzlülüğü Tahmininde Bir Yapay Sinir Ağı Modelinin Kullanılması**  
ÖZŞAHİN Ş., SINGER H.

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- III. **Development of an Artificial Neural Network Model to Minimize Power Consumption in the Milling of Heat-Treated and Untreated Wood**  
ÖZŞAHİN Ş., SİNGER H.  
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- IV. **Artificial Neural Network-Based New Methodology for Modeling of Asphalt Mixtures and Comparison with IKE Method**  
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- V. **Artificial Neural Network Approach to Predict the Abrasive Wear of AA2024-B4C Composites**  
ÇANAKÇI A., VAROL T., ÖZŞAHİN Ş., ÖZKAYA S.  
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- VI. **Okalıptüs Tomruklarından Kereste Biçme Teknikleri**  
ÇOLAKOĞLU G., ÖZŞAHİN Ş., AYDIN İ.  
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- VII. **Fayda-Değer Analizi Bilgisayar Programı ve Bartın-İnkumu Tatil Beldesinde Uygulanışı**  
AYTEKİN A., SARAÇOĞLU N., KARAYILMAZLAR S., ÖZŞAHİN Ş.  
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- VIII. **Quick Basic Programlama Diliyle İşletmelerde Bireysel Performans Değerlemeye Yönelik Bir Paket Programın Geliştirilmesi**  
BARLI Ö., ÖZŞAHİN Ş.  
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## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **Using the Anfis Approach to Predict the Noise Level in the Machining of Wood Materials**  
SİNGER H., ÖZŞAHİN Ş.  
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- II. **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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- III. **A Prioritization Study with the Fuzzy Analytic Hierarchy Process Method: Analyzing Wood Surface Roughness Factors**  
ÖZŞAHİN Ş., SİNGER H.  
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- IV. **Multi-criteria Evaluation of Heavy Metal Pollution of Coruh River Basin**  
ÖZŞAHİN Ş., SİNGER H.  
International Congress of Academic Research, Bolu, Türkiye, 16 - 18 Eylül 2019, ss.36-44
- V. **Comparison of Artificial Neural Network and Multiple Linear Regression Models in Predicting the Surface Roughness of Wood**  
SİNGER H., ÖZŞAHİN Ş.  
3rd International Engineering Research Symposium INERS'19, Düzce, Türkiye, 5 - 07 Eylül 2019, ss.266-274
- VI. **Prioritization of Factors Influencing Surface Roughness: An Application for the Forest Industry**  
SİNGER H., ÖZŞAHİN Ş.  
", 3rd International Engineering Research Symposium INERS'19, Düzce, Türkiye, 5 - 07 Eylül 2019, ss.259-265
- VII. **Estimation of The Effects of Veneer Drying Temperatures on Thermal Conductivity of Plywood with Artificial Neural Network Modelling**  
ÖZŞAHİN Ş., AYDIN İ., DEMİR A.  
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- IX. **Employing a Multi-Criteria Decision Making Method to Evaluate Engineered Wood Products and Timber**  
SİNGER H., ÖZŞAHİN Ş.  
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- X. **Modeling the Effects of Process Parameters on the Surface Roughness of Wood Using Artificial Neural Networks**  
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- XI. **Orman Ürünleri Sanayinde Tedarik Zinciri Yönetiminin Benimsenmesi ve Müşteri İlişkileri**  
YILDIRIM İ., AKYÜZ K. C., AYDIN A., ÖZŞAHİN Ş., AKYÜZ İ.  
International Symposium of Applied Business Management and Economics Researches ISABMER, Bayburt, Türkiye, 3 - 05 Mayıs 2018, ss.99-100
- XII. **Orman Ürünleri Sanayi Çalışanlarında Motivasyon ve İş Yaşam Kalitesinin Belirlenmesi**  
YILDIRIM İ., HAN M., AKYÜZ K. C., AYDIN A., ÖZŞAHİN Ş.  
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- XIII. **Application of Artificial Neural Network for Prediction of Coating Thickness in Fe-Al Coatings**  
VAROL T., ÇANAKÇI A., ÖZŞAHİN Ş., ERDEMİR F., ÖZKAYA S.  
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- XIV. **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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- XV. **Data Envelopment Analysis for Effectiveness of Health Care Systems of Provinces: A Case Study in Turkey**  
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- XVI. **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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- XVII. **Forecasting the Amount of Sulfur Dioxide (SO<sub>2</sub>) and Particulate Matter (PM<sub>10</sub>) in the Air Using Grey Prediction and ARIMA Methods**  
ALÇI A., MURAT M., ÖZŞAHİN Ş.  
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- XVIII. **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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- XIX. **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.  
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- XX. **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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- XXI. **Application of Back-Propagation Neural Network Technique to Prediction of the Abrasive Wear Behavior of Al2014/B4C Composite**  
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- XXII. **Prediction Model for Densification Behavior of Powder Metallurgy Al-Cu-Mg/B4C Composites**  
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- XXIII. **The Prediction of Properties of B4C Particle Reinforced Metal Matrix Composites Using Artificial Neural Networks**  
VAROL T., ÇANAKÇI A., ÖZŞAHİN Ş.  
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- XXIV. **Artificial Neural Network Approach for the Prediction of Coating Thickness in Fe-Al Coatings Fabricated by Mechanical Milling**  
ÇANAKÇI A., ERDEMİR F., VAROL T., ÖZŞAHİN Ş., ÖZKAYA S.  
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- XXV. **Analysis of the prediction of compressibility of powder metallurgy Al2024-B4C composites using artificial neural networks**  
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- XXVI. **Mekanik öğütme işlemi üzerine yeni bir işlem kontrol katkısı tekniği etkisinin bir yapay sinir ağı modeli kullnılarak analizi**  
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II. Ulusal Ege Kompozit Malzemeler Sempozyumu, İzmir, Türkiye, 7 - 09 Kasım 2013, ss.221-228
- XXVII. **Artificial Neural Network Approach to Predict of Effect of Process Control Agent on the Microhardness of Al-Al2O3 Composite Powders Produced by Mechanical Alloying**  
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