

Prof. Serdal TERZİ

Personal Information

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Education Information

Doctorate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, Turkey 2000 - 2004

Post Graduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Yapı Eğitimi, Turkey 1998 - 2000

Under Graduate, Suleyman Demirel University, Teknik Eğitim Fakültesi, Yapı Eğitimi, Turkey 1994 - 1998

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Coğrafi Bilgi Sistemi Yardımıyla Karayolu Üstyapı Bakım Yönetim Modeli Geliştirilmesi, Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, 2004

Post Graduate, Mermer Toz Atıklarının Asfalt Betonunda Filler Malzemesi Olarak Kullanılmasının Araştırılması, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Yapı Eğitimi, 2000

Research Areas

Civil Engineering, Transportation Engineering, Highways, Road Materials, Engineering and Technology

Academic Titles / Tasks

Professor, Suleyman Demirel University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2012 - Continues

Associate Professor, Suleyman Demirel University, Teknik Eğitim Fakültesi, Yapı Eğitimi Bölümü, 2007 - 2012

Assistant Professor, Suleyman Demirel University, Teknik Eğitim Fakültesi, Yapı Eğitimi Bölümü, 2005 - 2007

Lecturer PhD, Suleyman Demirel University, Teknik Eğitim Fakültesi, Yapı Eğitimi Bölümü, 2004 - 2005

Research Assistant, Suleyman Demirel University, Teknik Eğitim Fakültesi, Yapı Eğitimi Bölümü, 1999 - 2004

Professional Experience

Dean, Suleyman Demirel University, Mühendislik Fakültesi, 2015 - 2019

Vice Dean, Suleyman Demirel University, Teknik Eğitim Fakültesi, 2007 - 2008

Assistant Director of the Institute, Suleyman Demirel University, Fen Bilimleri Enstitüsü, 2006 - 2007

Advising Theses

- TERZİ S., Nano modifiye bitümlü sıcak karışımların performansının araştırılması, Doctorate, Ş.KARAHANÇER(Student), 2017
- TERZİ S., Karbon fiberlerin asfalt karışımlarda kullanımının araştırılması, Post Graduate, Ö.DEMİRKAYA(Student), 2016
- TERZİ S., Zeolit ve pomzanın asfalt betonunda atık malzeme ve agrega olarak kullanımı, Post Graduate, E.Mine(Student), 2014
- TERZİ S., Tahribatsız test yöntemleri ile esnek üstyapıların fiziksel ve mekanik özelliklerinin modellenmesi, Doctorate, S.SERİN(Student), 2014
- TERZİ S., Coğrafi bilgi sistemleri ile gerçek zamanlı üstyapı yönetim sistemi geliştirilmesi, Doctorate, N.MOROVA(Student), 2013
- TERZİ S., İlık karışım asfalt, Post Graduate, M.TAHTA(Student), 2013
- TERZİ S., Betonarme Kirişlerin Güçlendirilmesinde Püskürtme Betonun Alternatif Bir Yöntem Olarak Kullanılması, Doctorate, M.ALKAN(Student), 2007

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Bitumen expanding using bio-oil product of rose pulp's pyrolysis process**
Terzi S., Saltan M., Armagan K., Kurtman A. K. , Karahancer S., Eriskin E., Uz V. E.
Construction and Building Materials, vol.249, 2020 (Journal Indexed in SCI Expanded)
- II. **Evaluating mechanical properties of bitumen and hot mix asphalt modified with nano ferric oxide**
KARAHANÇER S., ENIEB M., SALTAN M., TERZİ S., Eriskin E., CENGİZHAN A., AKBAŞ M. Y.
CONSTRUCTION AND BUILDING MATERIALS, vol.234, 2020 (Journal Indexed in SCI)
- III. **Mechanical behavior of bitumen and hot-mix asphalt modified with zinc oxide nanoparticle**
SALTAN M., TERZİ S., Karahancer S.
Journal of Materials in Civil Engineering, vol.31, 2019 (Journal Indexed in SCI)
- IV. **Increasing the visibility of roads using phosphorous paint**
Eriskin E., Karahancer S., TERZİ S., SALTAN M., ÇAPALI B., Uncu I. S. , COŞKUNSU S.
ROAD MATERIALS AND PAVEMENT DESIGN, vol.20, pp.199-210, 2019 (Journal Indexed in SCI)
- V. **Performance analysis of nano modified bitumen and hot mix asphalt**
SALTAN M., TERZİ S., Karahancer S.
CONSTRUCTION AND BUILDING MATERIALS, vol.173, pp.228-237, 2018 (Journal Indexed in SCI)
- VI. **Examination of hot mix asphalt and binder performance modified with nano silica**
SALTAN M., TERZİ S., KARAHANÇER S.
CONSTRUCTION AND BUILDING MATERIALS, vol.156, pp.976-984, 2017 (Journal Indexed in SCI)
- VII. **Waste frying oil modified bitumen usage for sustainable hot mix asphalt pavement**
Eriskin E., KARAHANÇER S., TERZİ S., SALTAN M.
ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING, vol.17, pp.863-870, 2017 (Journal Indexed in SCI)
- VIII. **Utilization of Arundo donax in Hot Mix Asphalt as a fiber**
KARAHANCER S. S. , Eriskin E., SARIOĞLU O., ÇAPALI B., SALTAN M., TERZİ S.
CONSTRUCTION AND BUILDING MATERIALS, vol.125, pp.981-986, 2016 (Journal Indexed in SCI)
- IX. **Utility of polyparaphenylene terephthalamide fiber in hot mix asphalt as a fiber**
Morova N., Serin S., TERZİ S., SALTAN M., Kucukcapraz D. O. , KARAHANCER S. S. , Eriskin E.
CONSTRUCTION AND BUILDING MATERIALS, vol.107, pp.87-94, 2016 (Journal Indexed in SCI)
- X. **Performance evaluation of nano-modified asphalt concrete**
Karahancer S. S. , KIRISTI M., TERZİ S., SALTAN M., Oksuz A. U. , ÖKSÜZ L.
CONSTRUCTION AND BUILDING MATERIALS, vol.71, pp.283-288, 2014 (Journal Indexed in SCI)
- XI. **Planning maintenance works on pavements through ant colony optimization**
TERZİ S., Serin S.
NEURAL COMPUTING & APPLICATIONS, vol.25, pp.143-153, 2014 (Journal Indexed in SCI)

- XII. **PERFORMANCE MODEL FOR ASPHALT CONCRETE PAVEMENT BASED ON THE FUZZY LOGIC APPROACH**
Karasahin M., TERZİ S.
TRANSPORT, vol.29, pp.18-27, 2014 (Journal Indexed in SCI)
- XIII. **Prediction of the marshall stability of reinforced asphalt concrete with steel fiber using fuzzy logic**
Serin S., Morova N., SALTAN M., TERZİ S., Karasahin M.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.26, pp.1943-1950, 2014 (Journal Indexed in SCI)
- XIV. **Evaluation of rice husk ash as filler in hot mix asphalt concrete**
Sargin S., SALTAN M., Morova N., Serin S., TERZİ S.
CONSTRUCTION AND BUILDING MATERIALS, vol.48, pp.390-397, 2013 (Journal Indexed in SCI)
- XV. **Backcalculation of pavement layer thickness using data mining**
TERZİ S., SALTAN M., KÜÇÜKSİLLE E. U. , Karasahin M.
NEURAL COMPUTING & APPLICATIONS, vol.23, pp.1369-1379, 2013 (Journal Indexed in SCI)
- XVI. **Asphalt concrete stability estimation from non-destructive test methods with artificial neural networks**
TERZİ S., Karasahin M., GOKOVA S., TAHTA M., Morova N., UZUN İ.
NEURAL COMPUTING & APPLICATIONS, vol.23, pp.989-997, 2013 (Journal Indexed in SCI)
- XVII. **Physical properties of multi-layer seal surfacing in Turkey**
TERZİ S., SAPLIOĞLU M., KARASAHIN M., ERTEM S., SALTAN M., OZGUNGORDU M., Yilmaz A., TACIROGLU M. V.
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-TRANSPORT, vol.166, pp.137-143, 2013 (Journal Indexed in SCI)
- XVIII. **Modeling for pavement roughness using the ANFIS approach**
Terzi S.
ADVANCES IN ENGINEERING SOFTWARE, vol.57, pp.59-64, 2013 (Journal Indexed in SCI)
- XIX. **Investigation of usability of steel fibers in asphalt concrete mixtures**
Serin S., Morova N., SALTAN M., TERZİ S.
CONSTRUCTION AND BUILDING MATERIALS, vol.36, pp.238-244, 2012 (Journal Indexed in SCI)
- XX. **Evaluation of andesite waste as mineral filler in asphaltic concrete mixture**
UZUN İ., TERZİ S.
CONSTRUCTION AND BUILDING MATERIALS, vol.31, pp.284-288, 2012 (Journal Indexed in SCI)
- XXI. **Backcalculation of pavement layer moduli and Poisson's ratio using data mining**
SALTAN M., TERZİ S., KÜÇÜKSİLLE E. U.
EXPERT SYSTEMS WITH APPLICATIONS, vol.38, pp.2600-2608, 2011 (Journal Indexed in SCI)
- XXII. **Backcalculation of Pavement Layer Thickness and Moduli Using Adaptive Neuro-fuzzy Inference System**
SALTAN M., TERZİ S.
INTELLIGENT AND SOFT COMPUTING IN INFRASTRUCTURE SYSTEMS ENGINEERING, vol.259, pp.177-204, 2009 (Journal Indexed in SCI)
- XXIII. **Modeling deflection basin using artificial neural networks with cross-validation technique in backcalculating flexible pavement layer moduli**
SALTAN M., TERZİ S.
ADVANCES IN ENGINEERING SOFTWARE, vol.39, pp.588-592, 2008 (Journal Indexed in SCI)
- XXIV. **Evaluation of marble waste dust in the mixture of asphaltic concrete**
KARASAHİN M., Terzi S.
CONSTRUCTION AND BUILDING MATERIALS, vol.21, pp.616-620, 2007 (Journal Indexed in SCI)
- XXV. **Modeling the pavement serviceability ratio of flexible highway pavements by artificial neural networks**
Terzi S.
CONSTRUCTION AND BUILDING MATERIALS, vol.21, pp.590-593, 2007 (Journal Indexed in SCI)
- XXVI. **Comparative analysis of using artificial neural networks (ANN) and gene expression programming (GEP) in backcalculation of pavement layer thickness**

- Saltan M., Terzi S.
INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, vol.12, pp.42-50, 2005 (Journal Indexed in SCI)
- XXVII. **Backcalculation of pavement layer parameters using Artificial Neural Networks**
Saltan M., Terzi S.
INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, vol.11, pp.38-42, 2004 (Journal Indexed in SCI)
- XXVIII. **Optimization of the deflection basin by genetic algorithm and neural network approach**
Terzi S., Saltan M., YILDIRIM T.
ARTIFICIAL NEURAL NETWORKS AND NEURAL INFORMATION PROCESSING - ICAN/ICONIP 2003, vol.2714, pp.662-669, 2003 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **ANFIS ve Bulanık Mantık Yöntemlerinin Köpük Bitümün Genleşme Oranı ve Yarılanma Süresi Parametreleri Tahmininde Kullanılabilirliğinin Araştırılması**
ERTEN K. M. , TERZİ S., AKBULUT H., ERİŞKİN E.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.8, pp.2388-2399, 2020 (Other Refereed National Journals)
- II. **Karayollarında Kullanılan Değişken Mesaj Sistemlerinin Trafik Güvenliği Bakımından Değerlendirilmesi**
ERGEZER F., TERZİ S., ERİŞKİN E., KARAHANÇER Ş.
Akıllı Ulaşım Sistemleri ve Uygulamaları Dergisi, vol.3, pp.51-58, 2020 (Refereed Journals of Other Institutions)
- III. **Highway geometric design using bézier curve approximation**
ERİŞKİN E., KARAHANÇER Ş., TERZİ S., SALTAN M.
Journal of Innovative Transportation, vol.1, 2020 (Refereed Journals of Other Institutions)
- IV. **Treatment of hazardous waste engine oil as bitumen modifier for sustainable hot mix asphalt pavement**
ERİŞKİN E., KARAHANÇER Ş., TERZİ S., SALTAN M.
Journal of Innovative Transportation, vol.1, 2020 (Refereed Journals of Other Institutions)
- V. **Investigating the utility of sisal in hot mix asphalt as a fiber**
KARAHANÇER Ş., ERİŞKİN E., SALTAN M., TERZİ S., SARIOĞLU O., ÖZDEMİR KÜÇÜKÇAPRAZ D.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.7, pp.906-912, 2019 (Other Refereed National Journals)
- VI. **Mathematical modelling of airport pavement layer thickness**
ERİŞKİN E., TERZİ S., KÜÇÜKÇAPRAZ B.
Journal of Innovations in Civil Engineering and Technology, vol.1, pp.57-63, 2019 (Refereed Journals of Other Institutions)
- VII. **EVALUATION OF ZEOLITE AND PUMICE WASTE AS MINERAL AGGREGATE AND FILLER FOR PRODUCING LIGHTWEIGHT ASPHALT CONCRETE MIXTURES**
TERZİ S., BÜYÜKDOĞAÇ E. M.
Journal of Engineering Science and Design, vol.6, pp.118-123, 2018 (Refereed Journals of Other Institutions)
- VIII. **Superpave volumetric mix design of hot mix asphalt: case study of Isparta**
KARAHANÇER Ş., ERİŞKİN E., ÇAPALI B., SALTAN M., TERZİ S.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.6, pp.108-117, 2018 (Other Refereed National Journals)
- IX. **INVESTIGATION OF THE USE OF RECYCLED ASPHALT CONCRETE MATERIAL TO THE SURFACE LAYERS**
TERZİ S., ALALI F.
Journal of Engineering Science and Design, vol.6, pp.139-147, 2018 (Refereed Journals of Other Institutions)
- X. **Route 93, Arizona's IRI estimation using least squares method and fuzzy logic**
KARAHANÇER Ş., ERİŞKİN E., ÇAPALI B., TERZİ S., SALTAN M.
Global Journal of Information Technology: Emerging Technologies, vol.7, pp.157-162, 2017 (Refereed Journals of Other Institutions)
- XI. **Karbon Liflerin Bitümlü Sıcak Karışımlarda Kullanımının Araştırılması**

DEMİRKAYA Ö., TERZİ S.

Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, pp.542, 2017 (Refereed Journals of Other Institutions)

- XII. **Estimation of specific gravity with penetration and penetration index parameters by artificial neural network**
Serin S., Karahancer S., Eriskin E., Morova N., SALTAN M., TERZİ S.
Periodicals of Engineering and Natural Sciences, vol.5, pp.161-164, 2017 (Refereed Journals of Other Institutions)
- XIII. **Investigation of Using Waste Welded Tuff Material as Mineral Filler in Asphalt Concrete**
KARAHANÇER Ş., ERİŞKİN E., ÇAPALI B., SALTAN M., TERZİ S.
SDÜ Fen Bilimleri Enstitüsü Dergisi, vol.20, pp.399, 2016 (Refereed Journals of Other Institutions)
- XIV. **Pavement Management Systems Application with Geographic Information System Method**
MOROVA N., TERZİ S., GÖKOVA S., KARASHAHİN M.
SDÜ Fen Bilimleri Enstitüsü Dergisi, vol.20, 2016 (Refereed Journals of Other Institutions)
- XV. **EVALUATION OF COLEMANITE WASTE AS AGGREGATE HOT MIX ASPHALT CONCRETE**
MOROVA N., TERZİ S.
SDÜ Fen Bilimleri Enstitüsü Dergisi, vol.19, pp.8-15, 2015 (Refereed Journals of Other Institutions)
- XVI. **Modeling the present serviceability ratio of flexible highway pavements using a wavelet-neuro approach**
TERZİ S., SALTAN M., Terzi O.
Civil-Comp Proceedings, vol.109, 2015 (Refereed Journals of Other Institutions)
- XVII. **LTPP Test Bölgesi Verilerinden IRI Değerlerinin Matematiksel Modellenmesi**
ERİŞKİN E., ÇAPALI B., KARAHANÇER Ş., SALTAN M., TERZİ S., SARIOĞLU O.
Electronic Journal of Construction Technologies, vol.9, pp.1-6, 2013 (Refereed Journals of Other Institutions)
- XVIII. **Prediction of the Pavement Serviceability Ratio of Rigid Highway Pavements by Artificial Neural Networks**
MOROVA N., SERİN S., TERZİ S., SALTAN M.
Journal of Advanced Technology Sciences, vol.2, pp.12-25, 2013 (Other Refereed National Journals)
- XIX. **Mantolama Yöntemi İle Güçlendirilmiş Kiriş Elemanların Bulanık Mantık Yöntemi İle Sünegliğinin Tahmin Edilmesi**
ALKAN ÇAKIROĞLU M., TERZİ S., KASAP S.
NWSA Technological Sciences, vol.6, pp.219-227, 2011 (International Refereed University Journal)
- XX. **Betonarme Kirişlerin Mantolama Sistemi İle Güçlendirilmesi**
ALKAN ÇAKIROĞLU M., TERZİ S.
NWSA Technological Applied Sciences, vol.5, pp.658-670, 2010 (International Refereed University Journal)
- XXI. **Süleyman Demirel Üniversitesi Yerleşkesinin Gürültü Haritalarının Coğrafi Bilgi Sistemleri ile Hazırlanması**
MOROVA N., ŞENER E., TERZİ S., BEYHAN M., HARMAN B. İ.
SDÜ, Fen Bilimleri Enstitüsü Dergisi, vol.14, pp.271-278, 2010 (Other Refereed National Journals)
- XXII. **Püskürtme Betonda Yüzey Hazırlığının Önemi**
ALKAN ÇAKIROĞLU M., TERZİ S.
SDU International Technologic Sciences, no.2, pp.85-92, 2010 (National Refereed University Journal)
- XXIII. **Püskürtme Beton Uygulamasında Dikkat Edilmesi Gerekenler**
ALKAN ÇAKIROĞLU M., TERZİ S., ÇAKIROĞLU M. G.
Dünya İnşaat Dergisi, pp.1, 2010 (Other Refereed National Journals)
- XXIV. **Püskürtme Beton Uygulamasında Operatör Faktörü**
ALKAN ÇAKIROĞLU M., TERZİ S., ÇAKIROĞLU M. G.
Dünya İnşaat Dergisi, vol.2, pp.78-79, 2010 (Other Refereed National Journals)
- XXV. **Kuru Karışım Püskürtme Betonun Basınç Dayanımının Bulanık Mantık Yöntemiyle Tahmin Edilmesi**
ALKAN ÇAKIROĞLU M., TERZİ S., KASAP S.
Süleyman Demirel Üniversitesi Fen Bilimleri Dergisi, vol.3, pp.300-306, 2010 (International Refereed University Journal)

- XXVI. **Beton Basınç Dayanımının Bulanık Mantık Yöntemiyle Tahmin Edilmesi**
ALKAN ÇAKIROĞLU M., TERZİ S., KASAP S., ÇAKIROĞLU M. G.
Electronic Journal of Construction Technologies, vol.1, pp.1-8, 2010 (Other Refereed National Journals)
- XXVII. **Beton Basınç Dayanımının Bulanık Mantık Yöntemiyle Tahmin Edilmesi**
ALKAN ÇAKIROĞLU M., TERZİ S., KASAP S., ÇAKIROĞLU M. G.
Yapı Teknolojileri Elektronik Dergisi, vol.6, no.2, pp.1-8, 2010 (National Refreed University Journal)
- XXVIII. **Püskürtme Beton Uygulamasında Karışım Malzemeleri ve Ekipman Açısından Dikkat Edilmesi Gerekenler**
ALKAN ÇAKIROĞLU M., TERZİ S., ÇAKIROĞLU M. G.
İnşaat Trendy, İnşaat Ekipmanları ve Teknolojileri Dergisi, pp.36-39, 2009 (Other Refereed National Journals)
- XXIX. **Püskürtme Betonda Görülen Problemler**
ALKAN ÇAKIROĞLU M., TERZİ S., ÇAKIROĞLU M. G.
Yapı Teknolojileri Elektronik Dergisi, vol.5, pp.43-49, 2009 (National Refreed University Journal)
- XXX. **Modeling the pavement present serviceability index of flexible highway pavements using data mining**
TERZİ S.
Journal of Applied Sciences, vol.6, pp.193-197, 2006 (Refereed Journals of Other Institutions)
- XXXI. **Modeling the Deflection Basin of Flexible Highway Pavements by Gene Expression Programming**
TERZİ S.
JOURNAL OF APPLIED SCIENCES, vol.5, pp.309-314, 2005 (Refereed Journals of Other Institutions)
- XXXII. **Coğrafi Bilgi Sistemi Yardımıyla Karayolu Üstyapı Bakım Yönetim Modeli Geliştirilmesi**
TERZİ S.
SDÜ Fen Bilimleri Enstitüsü Dergisi, 2004 (Refereed Journals of Other Institutions)
- XXXIII. **Mermer Toz Atıklarının Asfalt Betonu Karışımında Filler Malzemesi Olarak Kullanımı**
TERZİ S., KARAŞAHİN M.
Teknik Dergi, vol.1, pp.2903-2922, 2003 (Refereed Journals of Other Institutions)
- XXXIV. **DETERMINATION OF HAZARODUS LOCATIONS ON ISPARTA ANTALYA BURDUR HIGHWAYS THROUGH GIS**
KARAŞAHİN M., TERZİ S.
Pamukkale Üniv. Mühendislik Bilimleri Dergisi, vol.9, pp.304-311, 2003 (Other Refereed National Journals)
- XXXV. **Mermer Toz Atıkların Asfalt Betonunda Filler Malzemesi Olarak Kullanılmasının Araştırılması**
TERZİ S.
SDÜ Fen Bilimleri Enstitüsü Dergisi, 2000 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Isparta İli Kentiçi Ulaşım Sorunları Ve Çözüm Önerileri Analizi**
KARAŞAHİN M., SALTAN M., TERZİ S., TIĞDEMİR M., CEYLAN H., HALDENBİLEN S., AKBULUT H., MOROVA N., UZ V. E., KALYONCUOĞLU Ş. F., et al.
Süleyman Demirel Üniversitesi Yayın Evi, Isparta, 2019
- II. **Cold-in Place and Full Depth Reclamation with Foamed Asphalt**
TERZİ S., SALTAN M., ERİŞKİN E., SARGIN Ş., ÇAPALI B.
in: Computational Techniques for Civil and Structural Engineering, Kruis J, Tsompanakis Y, Topping B H V, Editor, Saxe-Coburg Publications, PRAGUE, pp.417-437, 2015
- III. **Cold-in Place and Full Deptf Reclamation with Foamed Asphalt**
TERZİ S., SALTAN M., ERİŞKİN E., KARAHANÇER Ş., ÇAPALI B.
in: Compututaional Techniques for Civil and Structural Engineering, KruisJ. Tsompanakis Y. Topping B. H. V., Editor, Saxe-coburg publication, PRAGUE, pp.417-437, 2015
- IV. **Cold-in Place and Full Depth Reclamation with Foamed Asphalt**
Terzi S., Saltan M., Erişkin E., Karahançer Ş., Çapalı B.
in: Computational Techniques for Civil and Structural Engineering, J. Kruis,Y. Tsompanakis,B. H. V. Topping, Editor,

Sage, London/New Delhi , London, pp.417-437, 2015

V. Backcalculation of Pavement Layer Thickness and Moduli Using Adaptive Neuro-fuzzy Inference System

SALTAN M., TERZİ S.

in: Soft Computing in Pavement Geomechanical Systems Recent Advances, , Editor, Springer-Verlag Berlin Heidelberg, 2009

Refereed Congress / Symposium Publications in Proceedings

- I. **Coğrafi Bilgi Sistemleri ile Yaya Yolu Güzergah Seçimi: Süleyman Demirel Üniversitesi Örneği**
BAYKAL T., ÖZKICI G., ERGEZER F., TERZİ S., SALTAN M.
MAS European International Congress on Mathematics-Engineering- Natural and Medical Sciences-XI, Tokat, Turkey, 13 - 15 March 2020, pp.74-85
- II. **Investigation of The Use of Glass Beads Powder in Bitumen Modification**
ERGEZER F., TERZİ S., ERİŞKİN E., ÇAPALI B., AKBAŞ m. y.
First International Symposium on Innovations in Civil Engineering and Technology, Afyonkarahisar, Turkey, 23 - 25 October 2019, vol.2, pp.689-696
- III. **A Review for Sensitivity Analyses on Isparta State Highways According to Mechanistic Empirical Pavement Design Method**
ARMAĞAN K., SALTAN M., TERZİ S., KIRAÇ N.
Techno-Science 2019, Burdur, Turkey, 14 - 16 November 2019
- IV. **Nano Cu₂O ve SiO₂ ile Modifiye Edilmiş Asfalt Kaplamaların Performans Analizi**
KARAHANÇER Ş., ERİŞKİN E., SALTAN M., TERZİ S., AKBAŞ M. Y. , CENGİZHAN A.
13. Ulaştırma Kongresi, Erzurum, Turkey, 10 - 12 October 2019, pp.337-348
- V. **Dynamic Elasticity Modules Estimation with Witczak 1-37A Model of Mechanistic Empirical Design Method for a Konya State Sample**
ARMAĞAN K., SALTAN M., TERZİ S., KIRAÇ N.
The International Aluminium-Themed Engineering and Natural Sciences Conference, Seydişehir, Turkey, 4 - 06 October 2019
- VI. **Estimated Dynamic Elasticity Modules Comparison of Mechanistic Empirical Design Method for a Konya State Sample**
ARMAĞAN K., SALTAN M., TERZİ S., KIRAÇ N.
The International Aluminium-Themed Engineering And Natural Sciences Conference, Seydişehir, Turkey, 4 - 06 October 2019
- VII. **Moisture Susceptibility of Nano-Al₂O₃ and SiO₂ Modified Asphalt Mixtures**
Karahancer S., Eriskin E., SALTAN M., TERZİ S., Akbas M., CENGİZHAN A.
International Airfield and Highway Pavements Conference 2019: Testing and Characterization of Pavement Materials, Illinois, United States Of America, 21 - 24 July 2019, pp.127-135
- VIII. **SÜRDÜRÜLEBİLİR ULAŞTIRMA İÇİN KÖPÜK ASFALT ÜRETİMİ**
TERZİ S., AKBULUT H., ERTEN K. M. , MUHAMMET K., SAĞLIK A., NEDİM SAVAŞ T., ÇALIŞKAN K.
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- IX. **Investigation the Usability of Garnet as Filler Material in Hot Mix Asphalt**
KARAHANÇER Ş., ERİŞKİN E., ARMAĞAN K., MOROVA N., KAÇAROĞLU G., KARADAĞ Ö., SALTAN M., TERZİ S.
THE 8TH INTERNATIONAL SYMPOSIUM ON ENVIRONMENTAL VIBRATION AND TRANSPORTATION GEODYNAMICS, 26 - 28 October 2018
- X. **Expanded Glass Usability in Hot Mix Asphalt as Fine Aggregate**
KARAHANÇER Ş., MOROVA N., ERİŞKİN E., ARMAĞAN K., GİZEM K., ÖZNUR K., SALTAN M., TERZİ S.
THE 8TH INTERNATIONAL SYMPOSIUM ON ENVIRONMENTAL VIBRATION AND TRANSPORTATION GEODYNAMICS, 26 - 28 October 2018
- XI. **Utility of Aramid, Polyolefin and Polypropene Combination in Hot Mix Asphalt as a Fiber Material**

KARAHANÇER B., MOROVA N., KARAHANÇER Ş., ERİŞKİN E., TERZİ S., SALTAN M.
THE 8TH INTERNATIONAL SYMPOSIUM ON ENVIRONMENTAL VIBRATION AND TRANSPORTATION
GEODYNAMICS, 26 - 28 October 2018

- XII. **Comparison of Dynamic Modulus Assignments for Isparta State Highways According to Mechanistic Empirical Pavement Design Method**
ARMAĞAN K., SALTAN M., TERZİ S., KIRAÇ N.
THE 8TH INTERNATIONAL SYMPOSIUM ON ENVIRONMENTAL VIBRATION AND TRANSPORTATION
GEODYNAMICS, 26 - 28 October 2018
- XIII. **Experimental Investigation of the Stabilization Performance Trends of Two Geogrids Constructed on Low Bearing Capacity Subgrade**
GÖKOVA S., SALTAN M., TERZİ S., TUTUMLUER E., UZ V. E. , KARAŞAHİN M.
11th International Conference on Geosynthetics, Seoul, South Korea, 16 - 21 September 2018
- XIV. **Variables Which Affect The Bitumen Characteristics of the Foamed Asphalt Production**
AKBULUT H., GÜRER C., TERZİ S., ERTEN K. M.
3rd International Conference on Engineering Technology and Applied Sciences, üsküp, Macedonia, 17 - 21 July 2018
- XV. **Sulphur Factory Waste Usability in Hot Mix Asphalt as Filler Material**
KARAHANÇER Ş., ERİŞKİN E., ARMAĞAN K., CENGİZHAN A., SALTAN M., TERZİ S.
Advances in Materials and Pavement Performance Prediction, 16 - 18 April 2018
- XVI. **A Review for The Usability of Self-Healing Methods in HMA as Maintenance Policy**
ARMAĞAN K., MALKOÇ G., TERZİ S., SALTAN M.
4th MESAT Conference, 4 - 06 July 2018
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KARAHANÇER Ş., ERİŞKİN E., ARMAĞAN K., MOROVA N., SALTAN M., TERZİ S.
5th International Conference on Road and Rail Infrastructure, 17 - 19 May 2018, pp.433-437
- XVIII. **The investigation of Polyamide fiber as an additive in HMA**
ERİŞKİN E., KARAHANÇER Ş., ARMAĞAN K., SİVRİ Ç., TERZİ S., SALTAN M.
5th International Conference on Road and Rail Infrastructure, 17 - 19 May 2018
- XIX. **Predicting of Traffic Loads by the Help of Climate Data Using Data Mining**
ERİŞKİN E., MOROVA N., KARAHANÇER Ş., TERZİ S., SALTAN M., KÜÇÜKSİLLE E. U.
8th International Advanced Technologies Symposium IATS 17, 19 - 21 October 2017, pp.302-307
- XX. **Pavement Performance Assessment by ANFIS approach Using Marine Corps Air Station Cherry Point, North Carolina Data**
KARAHANÇER Ş., ERİŞKİN E., MOROVA N., SALTAN M., TERZİ S.
8th International Advanced Technologies Symposium IATS 17, 19 - 21 October 2017, pp.328-335
- XXI. **ASFALT GERİ DÖNÜŞÜMÜ SÜRDÜRÜLEBİLİRLİK İLİŞKİSİ**
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7. Ulusal asfalt sempozyumu ve sergisi, Ankara, Turkey, 29 - 30 November 2017
- XXII. **Bitümlü Sıcak Karışım Uygulamalarında Asfaltın Kendini İyileştirme Yöntemleri ve Faydaları**
ARMAĞAN K., MALKOÇ G., SALTAN M., TERZİ S.
7. Ulusal Asfalt Sempozyumu ve Sergisi, Turkey, 29 - 30 November 2017
- XXIII. **Karayollarında Zemin Penetrasyon Radarı (GPR) İle Kalite Kontrol Uygulaması**
SERİN S., SALTAN M., TERZİ S.
7. Ulusal Asfalt Sempozyumu ve Sergisi, Ankara, Turkey, 29 - 30 November 2017, pp.203-210
- XXIV. **Modeling the Pavement Serviceability Ratio of Flexible Highway Pavements by Hybrid Machine Learning**
BİNGÖL O., TERZİ S., YARMATOV B.
4th International Conference on Computational and Experimental Science and Engineering (ICCESSEN 2017), Antalya, Turkey, 4 - 08 October 2017, pp.487
- XXV. **Mechanistic Empirical Design Method Analysis Of HMA With Self Healing Material**
ARMAĞAN K., MALKOÇ G., TERZİ S., SALTAN M.

- 4th International Conference On Computational And Experimental Science And Engineering, 4 - 08 October 2017
- XXVI. **Dynamic Elasticity Modulus Assignment According To Mechanical Empirical Pavement Design Method On Isparta State Highways**
ARMAĞAN K., SALTAN M., TERZİ S., KIRAÇ N.
4th International Conference On Computational And Experimental Science And Engineering, 4 - 08 October 2017
- XXVII. **Modelling Marshall Stability of fiber reinforced asphalt mixtures with ANFIS**
Morova N., Erişkin E., TERZİ S., KARAHANÇER S., SERİN S., SALTAN M., Usta P.
2017 IEEE International Conference on INnovations in Intelligent SysTems and Applications, INISTA 2017, Gdynia, Poland, 3 - 05 July 2017, pp.174-179
- XXVIII. **Comparing CBR values obtained from field with laboratory test results**
KARAHANÇER Ş., ERİŞKİN E., SARIOĞLU O., SALTAN M., TERZİ S.
10th International Conference on Bearing Capacity of Roads, Railways and Airfields, Athens, Greece, 28 - 30 June 2017, pp.779-782
- XXIX. **Evaluation of Concrete Waste as Filler Material in Hot Mix Asphalt**
SERİN S., MOROVA N., SALTAN M., TERZİ S.
3rd INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, Budapest, Hungary, 3 - 07 May 2017, pp.212
- XXX. **Mekanistik Ampirik Kaplama Dizayn Metodu Uygulanmasının Sürdürülebilir Kalkınma Açısından Önemi**
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12.Ulaştırma Kongresi Ulaştırma Politikaları, Turkey, 24 - 26 May 2017, pp.171-180
- XXXI. **Specific Gravity Estimating Using Artificial Neural Network with Penetration and Penetration Index Parameters**
SERİN S., KARAHANÇER Ş., ERİŞKİN E., MOROVA N., SALTAN M., TERZİ S.
III International Conference on Engineering and Natural Sciences, 3 - 07 May 2017
- XXXII. **MUZ AĞACININ GÖVDE LİFLERİNİ KULLANILARAK ASFALT KARIŞIMIN DAYANIMININ İYİLEŞTİRİLMESİ**
SİVRİ Ç., KARAHANÇER Ş., ERİŞKİN E., SALTAN M., TERZİ S.
UTIB Türkiye Tekstil ve Konfeksiyon Sektöründe 9. Uluslararası Ar-Ge Proje Pazarı, Bursa, Turkey, 27 - 28 April 2017
- XXXIII. **PTFE VE NAYLON ATIK LİF KULLANILARAK ASFALT KARIŞIMIN NEME KARŞI HASSASİYETİNİN AZALTILMASI**
SİVRİ Ç., KARAHANÇER Ş., ERİŞKİN E., SALTAN M., TERZİ S.
UTIB Türkiye Tekstil ve Konfeksiyon Sektöründe 9. Uluslararası Ar-Ge Proje Pazarı, Bursa, Turkey, 27 - 28 April 2017
- XXXIV. **Examination of the Effect of Superhydrophobic Coated Pavement under Wet Conditions**
Erişkin E., KARAHANÇER S., TERZİ S., SALTAN M.
10th International Scientific Conference on Transportation Science and Technology (TRANSBALTICA), Vilnius, Lithuania, 4 - 05 May 2017, vol.187, pp.532-537
- XXXV. **Optimization of Traffic Signal Timing at Oversaturated Intersections Using Elimination Pairing System**
Erişkin E., KARAHANÇER S., TERZİ S., SALTAN M.
10th International Scientific Conference on Transportation Science and Technology (TRANSBALTICA), Vilnius, Lithuania, 4 - 05 May 2017, vol.187, pp.295-300
- XXXVI. **Karayolu U styapısında Dolaylı C ekme Yorulma Deformasyon Deg erlerinin Tahribatsız Elektromanyetik Yog unluk O lc er Verileriyle Tahmini ic in YSA Modeli**
SERİN S., SALTAN M., TERZİ S., MOROVA N., KARAHANÇER Ş.
ASYU 2016, 29 September - 01 October 2016
- XXXVII. **IRI Estimation of Route 93 Arizona by Least Squares Method and Fuzzy Logic**
KARAHANÇER Ş., ERİŞKİN E., ÇAPALI B., TERZİ S., SALTAN M.
6TH WORLD CONFERENCE ON INNOVATION AND COMPUTER SCIENCE, 12 - 14 May 2016

- XXXVIII. **Marshall Stability Estimating Using Artificial Neural Network with Polyparaphenylene Terephthalamide Fibre Rate**
Karahancer S., ÇAPALI B., Eriskin E., Morova N., Serin S., SALTAN M., TERZİ S., KUCUKCAPRAZ D. O.
International Symposium on Innovations in Intelligent Systems and Applications (INISTA), Sinaia, Romania, 2 - 05 August 2016
- XXXIX. **Backcalculation of Pavement Layer Thickness and Moduli by the Wavelet-Neuro Approach**
Salton M., TERZİ S., Terzi O.
International Conference on Transportation and Development, Texas, United States Of America, 26 - 29 June 2016, pp.718-727
- XL. **Modeling the present serviceability ratio PSR of flexible highway pavements by wavelet neuro approach**
TERZİ S., SALTAN M., TERZİ Ö.
The Fourth International Conference on Soft Computing Technology in Civil, Structural and Environmental Engineering Prague, 1 - 04 September 2015
- XLI. **PLASMA EMPOWERED LIMESTONE MINERAL FILLER FOR ASPHALT PERFORMANCE APPLICATIONS**
KARAHANÇER Ş., KIRIŞTI M., TERZİ S., SALTAN M., ÖKSÜZ A., ÖKSÜZ L.
The 42nd IEEE International Conference on Plasma Science ICOPS 2015, 24 - 28 May 2015
- XLII. **The Effect of Lane Discipline to Intersection Capacity A Sample Study of Isparta**
ERİŞKİN E., ÇAPALI B., KARAHANÇER Ş., GÖKOVA S., BAYRAK M. Ç. , TERZİ S., SALTAN M.
International Conference on Civil and Environmental Engineering, 20 - 23 May 2015
- XLIII. **Plasma Empowered Limestone Composite Structures for Asphalt Performance Applications**
Karahancer S. S. , KIRIŞTI M., TERZİ S., SALTAN M., ÖKSÜZ A., ÖKSÜZ L.
International Airfield and Highway Pavements Conference, Florida, United States Of America, 7 - 10 June 2015, pp.155-166
- XLIV. **Pavement performance prediction through fuzzy logic using Marine Corps air station cherry point, North Carolina measurements**
Terzi S., Sargin Ş., Saltan M.
2013 Airfield and Highway Pavement Conference: Sustainable and Efficient Pavements, Los Angeles, CA, United States Of America, 9 - 12 June 2013, pp.650-661
- XLV. **Modeling Marshall stability of light asphalt concretes fabricated using expanded clay aggregate with artificial neural networks**
Morova N., Sargin Ş., TERZİ S., SALTAN M., SERIN S.
International Symposium on INnovations in Intelligent SysTems and Applications, INISTA 2012, Trabzon, Turkey, 2 - 04 July 2012
- XLVI. **Determining amount of bituminous effects on asphalt concrete strength with artificial intelligence and statistical analysis methods**
SERIN S., Morova N., TERZİ S., Sargin Ş.
2011 International Symposium on INnovations in Intelligent SysTems and Applications, INISTA 2011, Istanbul-Kadikoy, Turkey, 15 - 18 June 2011, pp.329-334
- XLVII. **Forecasting with Fuzzy Logic Ductility of Reinforced Concrete Jacketing Methods and Spraying of Beam Elements**
ALKAN ÇAKIROĞLU M., TERZİ S., KASAP S., ÇAKIROĞLU M. G.
The Fifth International Symposium on Wawelets Applications to World Problems, İstanbul, Turkey, 01 January 2010, pp.1
- XLVIII. **Hemzemin Geçitler İçin Bir Kaza Tahmin Modeli Geliştirilmesi, Uluslararası Demiryolu Sempozyumu**
SAPLIOĞLU M., TERZİ S., KARAŞAHİN M.
Uluslararası Demiryolu Sempozyumu, Ankara, Turkey, 13 - 16 December 2006, pp.997

Supported Projects

AYYILDIZ N., TERZİ S., SALTAN M., SEZGİN A., Project Supported by Higher Education Institutions, Yükseköğretim Mekanlarının Metrik ve İç Ortam Kalitesi Ölçümlerinin Gerçekleştirilmesi Projesi, 2018 - 2019

ÇARIKÇI İ. H. , TERZİ S., ERBAŞ S., Project Supported by Higher Education Institutions, Isparta Yerel Ekonomik Kalkınma Vizyonu 2018:Kent Ulaşımı YEKvizyon 2018, 2018 - 2019

TERZİ S., TUBITAK Project, Süleyman Demirel Üniversitesi Ar-Ge Strateji Belgesi (Ulaştırma), 2016 - 2017

TERZİ S., TUBITAK Project, Karayolu Üstyapılarında Farklı Geogiridlerin Kullanımının Üstyapı Yapısal Performansına Etkisinin Deneysel Olarak Araştırılması, 2014 - 2017

Activities in Scientific Journals

Mühendislik Bilimleri ve Tasarım Dergisi, First Editor, 2015 - 2019

Memberships / Tasks in Scientific Organizations

Yükseköğretim Kurulu, Member, 2017 - Continues

Süleyman Demirel Üniversitesi, Member, 2017 - Continues

Süleyman Demirel Üniversitesi, Member, 2017 - Continues

Süleyman Demirel Üniversitesi, Member, 2016 - Continues

Citations

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h-index (WOS):11