

## Prof. Serdal TERZİ

### Personal Information

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### Education Information

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

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

Undergraduate, 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

Postgraduate, 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

### Academic and Administrative Experience

Suleyman Demirel University, Mühendislik Fakültesi, 2015 - 2019

Suleyman Demirel University, Teknik Eğitim Fakültesi, 2007 - 2008

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, Postgraduate, Ö.DEMİRKAYA(Student), 2016
- TERZİ S., Zeolit ve pomzanın asfalt betonunda atık malzeme ve agrega olarak kullanımı, Postgraduate, 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, Postgraduate, 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)
- II. **Evaluating mechanical properties of bitumen and hot mix asphalt modified with nano ferric oxide**  
KARAHANÇER S., ENİEB 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, no.3, 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, no.1, 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, no.4, 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, no.1, 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, no.1, 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, no.4, 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, no.5, 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, no.3, 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, no.3, 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, no.7, 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, no.3, 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, no.3, 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, no.1, 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, no.1, 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. **Highway geometric design using bézier curve approximation**  
Erişkin E., Karahançer Ş., Terzi S., Saltan M.  
Journal of Innovative Transportation, vol.1, no.1, pp.1104, 2020 (Refereed Journals of Other Institutions)
- III. **The effect of big data analysis for sustainable transportation**  
TERZİ S., ERTEN K. M.  
Journal of Innovative Transportation, vol.1, no.1, 2020 (Refereed Journals of Other Institutions)
- IV. **Effect of Active Filler Ratio on Indirect Tensile Strength of Foam Bituminous Mixtures**  
ERTEN K. M. , TERZİ S., AKBULUT H.  
International scientific and vocational studies journal, vol.4, no.1, pp.60-67, 2020 (Refereed Journals of Other Institutions)
- V. **Effect of Bitumen Grade, Bitumen Percentage and Mineral Binders on Mixture Properties in Foam Bitumen-Stabilized RAP Materials**  
ERTEN K. M. , TERZİ S., AKBULUT H.  
Journal of Innovations in Civil Engineering and Technology, vol.2, no.1, pp.1-11, 2020 (Refereed Journals of Other Institutions)
- VI. **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, no.1, pp.51-58, 2020 (Refereed Journals of Other Institutions)
- VII. **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, no.1, 2020 (Refereed Journals of Other Institutions)
- VIII. **Mathematical modelling of airport pavement layer thickness**  
ERİŞKİN E., TERZİ S., KÜÇÜKÇAPRAZ B.  
Journal of Innovations in Civil Engineering and Technology, vol.1, no.2, pp.57-63, 2019 (Refereed Journals of Other Institutions)
- IX. **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, no.4, pp.906-912, 2019 (Other Refereed National Journals)
- X. **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)

- XI. **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, no.1, pp.139-147, 2018 (Refereed Journals of Other Institutions)
- XII. **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, no.1, pp.118-123, 2018 (Refereed Journals of Other Institutions)
- XIII. **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, no.3, pp.157-162, 2017 (Refereed Journals of Other Institutions)
- XIV. **Karbon Liflerin Bitümlü Sıcak Karışımlarda Kullanımının Araştırılması**  
DEMİRKAYA Ö., TERZİ S.  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, no.2, pp.542, 2017 (Refereed Journals of Other Institutions)
- XV. **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, no.2, pp.161-164, 2017 (Refereed Journals of Other Institutions)
- XVI. **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, no.3, pp.399, 2016 (Refereed Journals of Other Institutions)
- XVII. **Pavement Management Systems Application with Geographic Information System Method**  
MOROVA N., TERZİ S., GÖKOVA S., KARASHAHİN M.  
SDÜ Fen Bilimleri Enstitüsü Dergisi, vol.20, no.1, 2016 (Refereed Journals of Other Institutions)
- XVIII. **EVALUATION OF COLEMANITE WASTE AS AGGREGATE HOT MIX ASPHALT CONCRETE**  
MOROVA N., TERZİ S.  
SDÜ Fen Bilimleri Enstitüsü Dergisi, vol.19, no.2, pp.8-15, 2015 (Refereed Journals of Other Institutions)
- XIX. **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)
- XX. **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, no.2, pp.1-6, 2013 (Refereed Journals of Other Institutions)
- XXI. **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, no.1, pp.12-25, 2013 (Other Refereed National Journals)
- XXII. **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, no.1, pp.219-227, 2011 (International Refereed University Journal)
- XXIII. **Betonarme Kirişlerin Mantolama Sistemi İle Güçlendirilmesi**  
ALKAN ÇAKIROĞLU M., TERZİ S.  
NWSA Technological Applied Sciences, vol.5, no.4, pp.658-670, 2010 (International Refereed University Journal)
- XXIV. **Süleyman Demirel Üniversitesi Yerleşkesinin Gürültü Haritalarının Coğrafi Bilgi Sistemleri ile**

## Hazırlanması

Morova N., Şener E., Terzi S., Beyhan M., Harman B. İ.

SDÜ, Fen Bilimleri Enstitüsü Dergisi, vol.14, no.3, pp.271-278, 2010 (Other Refereed National Journals)

- XXV. **Püskürtme Beton Uygulamasında Dikkat Edilmesi Gerekenler**  
ALKAN ÇAKIROĞLU M., TERZİ S., ÇAKIROĞLU M. G.  
Dünya İnşaat Dergisi, no.26, pp.1, 2010 (Other Refereed National Journals)
- XXVI. **Püskürtme Betonda Yüzey Hazırlığının Önemi**  
ALKAN ÇAKIROĞLU M., TERZİ S.  
SDU International Technologic Sciences, no.2, pp.85-92, 2010 (National Refreed University Journal)
- XXVII. **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)
- XXVIII. **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, no.14, pp.300-306, 2010 (International Refereed University Journal)
- XXIX. **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, no.6, pp.1-8, 2010 (Other Refereed National Journals)
- XXX. **Beton Basınç Dayanımının Bulanık Mantık Yöntemiyle Tahmin Edilmesi**  
ALKAN ÇAKIROĞLU M., TERZİ S., KASAP S., ÇAKIROĞLU M. G.  
Yapı Teknolojileri Elektronik Dergisi, vol.6, pp.1-8, 2010 (National Refreed University Journal)
- XXXI. **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, no.7, pp.36-39, 2009 (Other Refereed National Journals)
- XXXII. **Püskürtme Betonda Görülen Problemler**  
ALKAN ÇAKIROĞLU M., TERZİ S., ÇAKIROĞLU M. G.  
Yapı Teknolojileri Elektronik Dergisi, vol.5, no.2, pp.43-49, 2009 (National Refreed University Journal)
- XXXIII. **Modeling the pavement present serviceability index of flexible highway pavements using data mining**  
TERZİ S.  
Journal of Applied Sciences, vol.6, no.1, pp.193-197, 2006 (Refereed Journals of Other Institutions)
- XXXIV. **Modeling the Deflection Basin of Flexible Highway Pavements by Gene Expression Programming**  
TERZİ S.  
JOURNAL OF APPLIED SCIENCES, vol.5, no.2, pp.309-314, 2005 (Refereed Journals of Other Institutions)
- XXXV. **Coğrafi Bilgi Sistemi Yardımıyla Karayolu Üstyapı Bakım Yönetim Modeli Geliştirilmesi**  
TERZİ S.  
SDÜ Fen Bilimleri Enstitüsü Dergisi, 2004 (Refereed Journals of Other Institutions)
- XXXVI. **DETERMINATION OF HAZARODUS LOCATIONS ON ISPARTA ANTALYA BURDUR HIGHWAYS THROUGH GIS**  
KARASHAHİN M., TERZİ S.  
Pamukkale Üniv. Mühendislik Bilimleri Dergisi, vol.9, no.3, pp.304-311, 2003 (Other Refereed National Journals)
- XXXVII. **Mermer Toz Atıklarının Asfalt Betonu Karışımında Filler Malzemesi Olarak Kullanımı**  
TERZİ S., KARASHAHİN M.  
Teknik Dergi, vol.1, no.193, pp.2903-2922, 2003 (Refereed Journals of Other Institutions)
- XXXVIII. **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**  
KARŞAHİN 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., KARAHANÇER Ş., ÇAPALI B.  
in: Computational Techniques for Civil and Structural Engineering, J. Kruijs, Y. Tsompanakis, B.H.V. Topping, Editor, Saxe-Coburg Publications,, PRAGUE, pp.417-437, 2015
- III. **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, Kruijs J, Tsompanakis Y, Topping B H V, Editor, Saxe-Coburg Publications, PRAGUE, pp.417-437, 2015
- IV. **Cold-in Place and Full Depth Reclamation with Foamed Asphalt**  
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- V. **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. Kruijs, Y. Tsompanakis, B. H. V. Topping, Editor, Sage, London/New Delhi , London, pp.417-437, 2015
- VI. **Backcalculation of Pavement Layer Thickness and Moduli Using Adaptive Neuro-fuzzy Inference System,**  
SALTAN M., TERZİ S.  
in: Intelligent and Soft Computing in Infrastructure Systems Engineering Studies in Computational Intelligence, , Editor, Springer Berlin / Heidelberg, pp.177-204, 2009
- VII. **Backcalculation of Pavement Layer Thickness and Moduli Using Adaptive Neuro-fuzzy Inference System**  
SALTAN M., TERZİ S.  
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## 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. **COĞRAFİ BİLGİ SİSTEMLERİ İLE YAYA YOLU GÜZERGAH SEÇİMİ: SÜLEYMAN DEMİREL ÜNİVERSİTESİ ÖRNEĞİ**  
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MAS Int.European Conf. on Math-Eng-Nat-Med Sci-XI, 13 - 15 March 2020, pp.73-84
- III. **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
- IV. **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

- V. **Nano Cu<sub>2</sub>O ve SiO<sub>2</sub> 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
- VI. **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.  
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- VII. **Estimated Dynamic Elasticity Modules Comparison of Mechanistic Empirical Design Method for a Konya State Sample**  
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- VIII. **Moisture Susceptibility of Nano-Al<sub>2</sub>O<sub>3</sub> and SiO<sub>2</sub> Modified Asphalt Mixtures**  
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- IX. **SÜRDÜRÜLEBİLİR ULAŞTIRMA İÇİN KÖPÜK ASFALT ÜRETİMİ**  
TERZİ S., AKBULUT H., ERTEN K. M. , MUHAMMET K., SAĞLIK A., NEDİM SAVAŞ T., ÇALIŞKAN K.  
SÜRDÜRÜLEBİLİR ULAŞTIRMA İÇİN KÖPÜK ASFALT ÜRETİMİ, Ankara, Turkey, 28 - 29 November 2018
- X. **Utility of Aramid, Polyolefin and Polyprepene Combination in Hot Mix Asphalt as a Fiber Material**  
KARAHANÇER B., MOROVA N., KARAHANÇER Ş., ERİŞKİN E., TERZİ S., SALTAN M.  
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- XI. **Expanded Glass Usability in Hot Mix Asphalt as Fine Aggregate**  
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- XIII. **Investigation the Usability of Garnet as Filler Material in Hot Mix Asphalt**  
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- XIV. **Experimental Investigation of the Stabilization Performance Trends of Two Geogrids Constructed on Low Bearing Capacity Subgrade**  
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- XVII. **A Review for The Usability of Self-Healing Methods in HMA as Maintenance Policy**  
ARMAĞAN K., MALKOÇ G., TERZİ S., SALTAN M.



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- XVIII. The investigation of Polyamide fiber as an additive in HMA**  
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- XIX. Usability of Hemp Fiber in Dense Graded Hot Mix Asphalt Mixture**  
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- 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.  
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- XXI. Predicting of Traffic Loads by the Help of Climate Data Using Data Mining**  
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- XXII. Bitümlü Sıcak Karışım Uygulamalarında Asfaltın Kendini İyileştirme Yöntemleri ve Faydaları**  
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- XXIII. ASFALT GERİ DÖNÜŞÜMÜ SÜRDÜRÜLEBİLİRLİK İLİŞKİSİ**  
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- XXIV. Karayollarında Zemin Penetrasyon Radarı (GPR) İle Kalite Kontrol Uygulaması**  
SERİN S., SALTAN M., TERZİ S.  
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- XXV. Modeling the Pavement Serviceability Ratio of Flexible Highway Pavements by Hybrid Machine Learning**  
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- XXVI. Dynamic Elasticity Modulus Assignment According To Mechanical Empirical Pavement Design Method On Isparta State Highways**  
ARMAĞAN K., SALTAN M., TERZİ S., KIRAÇ N.  
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- XXXI. Mekanistik Ampirik Kaplama Dizayn Metodu Uygulanmasının Sürdürülebilir Kalkınma Açısından Önemi**  
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- XXXV. **Optimization of Traffic Signal Timing at Oversaturated Intersections Using Elimination Pairing System**  
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- XXXVI. **Examination of the Effect of Superhydrophobic Coated Pavement under Wet Conditions**  
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- XXXVII. **Karayolu U styapısında Dolaylı C ekme Yorulma Deformasyon Deg erlerinin Tahribatsız Elektromanyetik Yog unluk O lc er Verileriyle Tahmini ic in YSA Modeli**  
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- XLI. **Marshall Stability Estimating Using Artificial Neural Network with Polyparaphenylene Terephthalamide Fibre Rate**  
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- XLIV. **The Effect of Lane Discipline to Intersection Capacity A Sample Study of Isparta**

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- XLVIII. **Kevlar in Fiber Olarak Sıcak Asfalt Karışımlarda Kullanılabilirliği**  
MOROVA N., TERZİ S., SALTAN M., ÖZDEMİR KÜÇÜKÇAPRAZ D., SERİN S., SARGIN Ş., AKSAKAL E.  
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- XLIX. **Kısa Süreli, Yoğun Kontrollerin Emniyet Kemer ve Kask Kullanımına Etkilerinin Araştırılması: Isparta Örneği**  
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- L. **Modeling Marshall stability of light asphalt concretes fabricated using expanded clay aggregate with artificial neural networks**  
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- LII. **Forecasting with Fuzzy Logic Ductility of Reinforced Concrete Jacketing Methods and Spraying of Beam Elements**  
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- LIII. **Birden fazla tabakalı sathi kaplamaların fiziksel özelliklerinin araştırılması**  
TERZİ S., KARAŞAHİN M., SALTAN M., SAPLIOĞLU M., Ertem S., YILMAZ A., Varış M., TACİROĞLU M. V.  
5.Ulusal asfalt sempozyumu, Ankara, Turkey, 18 - 19 November 2009, pp.163-172
- LIV. **Hemzemin Geçitler İçin Bir Kaza Tahmin Modeli Geliştirilmesi, Uluslararası Demiryolu Sempozyumu**  
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## 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

POLAT E., TERZİ S., MOROVA N., ŞENER E., Project Supported by Higher Education Institutions, Kentiçi Ulaşım Planlamasında CBS Kullanımı; Isparta Kenti Örnekleme, 2011 - 2013

SELYER R., KAYACAN M., TERZİ S., ALBAYRAK M., ÇOLAK O., İNAN S. A. , KOYUN A., Project Supported by Higher Education Institutions, Biyometrik Özelliklerden IRIS Tarama Yöntemi Kullanılarak Öğrenci Güvenlik ve Tanımlama Sistemi Tasarımı ve Uygulaması, 2003 - 2005

## 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

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## Citations

Total Citations (WOS):490

h-index (WOS):13

## Non Academic Experience

Business Establishment Private, Göller Bölgesi Teknokenti

State Economic Enterprise SEE, Göller Bölgesi Teknokenti