

# EKİNHAN ERİŞKİN

## ASST. PROF.

Email : [ekinhaneriskin@sdu.edu.tr](mailto:ekinhaneriskin@sdu.edu.tr)

Office Phone : [+90 246 211 4649](tel:+902462114649)

Fax Phone : [+90 0246 211 4510](tel:+9002462114510)

Address : Süleyman Demirel Üniversitesi, Sağlık Hizmetleri MYO Binası, Zemin Kat Oda No:135

### Learning Knowledge

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Doctorate 2014 - 2019	Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, Turkey
Post Graduate 2011 - 2014	Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, Turkey
Under Graduate 2007 - 2011	Suleyman Demirel University, Mühendislik-Mimarlık Fakültesi, İnşaat Mühendisliği , Turkey

### Foreign Languages

German, B1 Intermediate

### Dissertations

Doctorate, Delay modelling at signalized intersections, Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, 2019

Post Graduate, Optimization of urban signalized intersections with rolling horizon approach, Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, 2014

### Academic Titles / Tasks

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Assistant Professor 2020 - Continues	Suleyman Demirel University, Isparta Sağlık Hizmetleri Meslek Yüksekokulu, Department of Property Protection and Security
Research Assistant 2012 - 2019	Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı

### Supported Projects

1. TERZİ S., SALTAN M., KARAHANÇER Ş., ERİŞKİN E., Project Supported by Higher Education Institutions, Atik Gül Posasının Bio-Bağlayıcı Olarak Kullanımının Araştırılması, 2018 - Continues

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

- 1. 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)
- 2. 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)
- 3. 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)
- 4. 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)
- 5. 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)
- 6. 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)

## Articles Published in Other Journals

- 1. 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)
- 2. 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)
- 3. 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)
- 4. 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)
- 5. 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)
- 6. 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)
- 7. 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)
- 8. 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)

9. **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)
10. **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)
11. **Investigation of the Skid Resistance at Accident Occurred at Urban Intersections**  
SAPLIOĞLU M., YÜZER E., AKTAŞ B., ERİŞKİN E.  
Journal of Traffic and Transportation Engineering, vol.1, no.12, pp.19-29, 2013 (Refereed Journals of Other Institutions)
12. **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)

## Books & Book Chapters

1. **Isparta İli Kentiçi Ulaşım Sorunları Ve Çözüm Önerileri Analizi**  
KARASHAHİN 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
2. **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. Kruis, Y. Tsompanakis, B.H.V. Topping, Editor, Saxe-Coburg Publications, PRAGUE, pp.417-437, 2015
3. **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

## Refereed Congress / Symposium Publications in Proceedings

1. **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
2. **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
3. **Moisture Susceptibility of Nano-Al<sub>2</sub>O<sub>3</sub> and SiO<sub>2</sub> 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
4. **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

5. **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
6. **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.  
THE 8TH INTERNATIONAL SYMPOSIUM ON ENVIRONMENTAL VIBRATION AND TRANSPORTATION  
GEODYNAMICS, 26 - 28 October 2018
7. **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
8. **The investigation of Polyamide fiber as an additive in HMA**  
ERİŞKİN E., KARAHANÇER Ş., ARMAĞAN K., SIVRİ Ç., TERZİ S., SALTAN M.  
5th International Conference on Road and Rail Infrastructure, 17 - 19 May 2018
9. **Usability of Hemp Fiber in Dense Graded Hot Mix Asphalt Mixture**  
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
10. **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
11. **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
12. **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
13. **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
14. **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
15. **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
16. **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
17. **Marshall Stability Estimating Using Artificial Neural Network with Polyparaphenylene Terephthalamide Fibre Rate**  
Karahancer S., ÇAPALI B., Erişkin 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
18. **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

19. **Examining the Effect of Sustainable Traffic Control of the Safety Belt and Helmet use A Sample Study in Isparta**

ÇAPALI B., ERİŞKİN E., KARAHANÇER Ş., GÖKOVA S., BAYRAK M. Ç. , TERZİ S., SALTAN M.

International Conference on Civil and Environmental Engineering, 20 - 23 May 2015

20. **Investigation Skid Resistance Effects On Traffic Safety At Urban Intersections**

SAPLIOĞLU M., Eriskin E., YÜZER E., AKTAŞ B.

10th International Congress on Advances in Civil Engineering, ACE2012, 17 - 19 October 2012, vol.1, pp.997

21. **SIKIŞTIRILMIŞ KİLİN ŞİŞME BASINCINA MERMER KIRIĞI ATIKLARININ ETKİSİ**

ÇİMEN Ö., KESKİN S. N. , seven s., ERİŞKİN E., güllü d.

4. Geoteknik Sempozyumu, Turkey, 22 - 24 December 2011

22. **The effect of waste marble fracture on swelling pressure of compressed clay**

ÇİMEN Ö., KESKİN S. N. , SEVEN S., ERİŞKİN E., GÜLLÜ D.

4th Geotechnical Symposium, 1 - 02 December 2011

## Activities in Scientific Journals

Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Editor, 2020 - Continues

## Citations

Total Citations (WOS):33

h-index (WOS):4

## Research Areas

Civil Engineering, Transportation Engineering, Transportation Engineering, Traffic Engineering, Engineering and Technology