

Assoc. Prof. BEKİR AKTAŞ

Personal Information

Birthyear: 1980

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İnşaat Mühendisliği Bölümü



Education Information

Doctorate, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, Turkey 2007 - 2012

Post Doctorate, University of Oklahoma, Engineering Faculty, Construction Science Divison, Civil Engineering, United States Of America 2009 - 2010

Post Graduate, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, Turkey 2003 - 2006

Under Graduate, Erciyes Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 1998 - 2003

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Koruyucu Amaçlı Sathi Kaplamaların Performansına Etki Eden Parametrelerin İncelenmesi, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, 2012

Post Graduate, Çelik Lifli Hafif Beton İle İmal Edilmiş Betonarme Kirişlerin Mekanik Özelliklerinin İncelenmesi, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, 2007

Research Areas

Civil Engineering, Transportation Engineering, Highways, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Erciyes Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği , 2017 - Continues

Assistant Professor, Erciyes Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2012 - 2017

Research Assistant, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, 2007 - 2012

Research Assistant, Erciyes Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2006 - 2007

Professional Experience

Deputy Head of Department, Erciyes Üniversitesi, İnşaat Mühendisliği Bölümü, 2013 - 2017

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

- **EVALUATION OF TYPICAL WMA ADDITIVES ON DESIGN PARAMETERS OF SMA MIXTURES**
Aktaş B., Aytakin Ş., Aslan Ş.
Revista De La Construcción, vol.18, pp.409-417, 2019 (Journal Indexed in SCI)
- **Use of diatomite and pumice as stabilizers in stone mastic asphalt mixtures**
Aslan Ş., Aktaş B.
REVISTA DE LA CONSTRUCCION, vol.17, pp.531-541, 2018 (Journal Indexed in SCI)
- **Evaluation of waste slags produced by zinc industry in bituminous hot mixtures**
AKTAŞ B., Bozdemir S.
JOURNAL OF MATERIAL CYCLES AND WASTE MANAGEMENT, vol.19, pp.192-200, 2017 (Journal Indexed in SCI)
- **Laboratory and in situ investigation of chip seal surface condition improvement**
Karasahin M., AKTAŞ B., Gungor A., ORHAN F., Gurer C.
Journal of Performance of Constructed Facilities, vol.29, 2015 (Journal Indexed in SCI)
- **Artificial neural networks-based backcalculation of the structural properties of a typical flexible pavement**
SALTAN M., Uz V. E. , AKTAŞ B.
NEURAL COMPUTING & APPLICATIONS, vol.23, pp.1703-1710, 2013 (Journal Indexed in SCI)
- **Effect of aggregate surface properties on chip seal retention performance**
AKTAŞ B., Karasahin M., SALTAN M., Gurer C., Uz V. E.
CONSTRUCTION AND BUILDING MATERIALS, vol.44, pp.639-644, 2013 (Journal Indexed in SCI)
- **Developing a macrotexture prediction model for chip seals**
AKTAŞ B., Karasahin M., TIĞDEMİR M.
CONSTRUCTION AND BUILDING MATERIALS, vol.41, pp.784-789, 2013 (Journal Indexed in SCI)
- **Chip Seal Adhesion Performance with Modified Binder in Cold Climates Experimental Investigation**
AKTAŞ B., Karasahin M.
TRANSPORTATION RESEARCH RECORD, pp.63-68, 2013 (Journal Indexed in SCI)
- **Investigation of reinforced concrete beams behavior of steel fiber added lightweight concrete**
ALTUN F., AKTAŞ B.
CONSTRUCTION AND BUILDING MATERIALS, vol.38, pp.575-581, 2013 (Journal Indexed in SCI)
- **Effects of construction-related factors on chip seal performance**
Gurer C., Karasahin M., Cetin S., AKTAŞ B.
CONSTRUCTION AND BUILDING MATERIALS, vol.35, pp.605-613, 2012 (Journal Indexed in SCI)
- **Comparative Analysis of Macrotexture Measurement Tests for Pavement Preservation Treatments**
Aktas B., Gransberg D. D. , Riemer C., Pittenger D.
TRANSPORTATION RESEARCH RECORD, pp.34-40, 2011 (Journal Indexed in SCI)

Articles Published in Other Journals

- **COMPARATIVE EVALUATION OF REPLACEMENT FOUNDRY SAND WITH MINERAL FINE AGGREGATES ON HMA PROPERTIES**
AKTAŞ B., ASLAN Ş.
The Online Journal of Science and Technology, vol.7, pp.19-23, 2017 (Refereed Journals of Other Institutions)
- **ASSESSMENT OF THE USE OF DIATOMITE AND PUMICE IN STONE MASTIC ASPHALT AS STABILIZER**
Aktaş B., Aslan Ş.
The Online Journal of Science and Technology, vol.6, pp.22-25, 2016 (Refereed Journals of Other Institutions)
- **INVESTIGATION OF USING WASTE ROOFING SHINGLE IN HMA**
AKTAŞ B., Karasahin M., Akkoç E., Gürer C., Uz V. E.
E-Journal of New World Sciences Academy, vol.6, pp.1337-1343, 2011 (Refereed Journals of Other Institutions)
- **Çelik Tel Katkılı Hafif Betonun Eğilme Tokluğunun İncelenmesi**
ALTUN F., AKTAŞ B.
Kahramanmaraş Sütçü İmam Üniversitesi Mühendislik Bilimleri Dergisi, vol.14, pp.27-33, 2011 (National Refreed University Journal)

Refereed Congress / Symposium Publications in Proceedings

- **Effects Of Selected Warm Mix Asphalt Additives On Viscosity Properties Of Binder**
AKTAŞ B., Aytakin Ş., ASLAN Ş.
6th International Symposium On Innovative Technologies In Engineering And Science, Antalya, Turkey, 9 - 11 November 2018
- **Determining the Consistency Values of Slurry Seal Mixtures Having Different Amounts of Water, Emulsion and Mineral Filler**
ASLAN Ş., AKTAŞ B.
13th International Congress on Advances in Civil Engineering, İzmir, Turkey, 12 - 14 September 2018
- **A COMPARATIVE EVALUATION OF CAR PARKING LAYOUT DESIGN OF URBAN AREAS**
AKTAŞ B., ASLAN Ş.
International Congress On Fundamental and Applied Sciences, Üsküp, Macedonia, 18 - 22 June 2018
- **IMPORTANCE OF HIGHWAY SURFACE MACROTEXTURE AND CURRENT TEST METHODS**
AKTAŞ B., ASLAN Ş.
International Congress On Fundamental and Applied Sciences, Üsküp, Macedonia, 18 - 22 June 2018
- **Surface Characteristics and Skid Resistance Testing of Road Pavements**
AKTAŞ B., ASLAN Ş.
International Congress On Engineering And Life Science, Kastamonu, Turkey, 26 - 29 April 2018
- **Test Methods of Determining Slurry Surfacing Performance for Highways**
ASLAN Ş., AKTAŞ B.
International Congress On Engineering And Life Science, Kastamonu, Turkey, 26 - 29 April 2018
- **Pedestrian and Vehicle Safety in Light Rail Systems**
AKTAŞ B., ASLAN Ş.
International Conference on Civil and Environmental Engineering, 8 - 10 May 2017
- **Laboratory Evaluation On Waste Slag Produced Zinc Industry As Mineral Filler In Stone Mastic Asphalt**
ASLAN Ş., AKTAŞ B.
6th Eurasphalt & Eurobitume Congress, Prag, Czech Republic, 1 - 03 June 2016
- **Karayollarında Bitüm Emülsiyonlu Harç Tipi Kaplamalar ve Performans Özellikleri**
AKTAŞ B., ASLAN Ş.
7. Kentsel Altyapı Sempozyumu, Trabzon, Turkey, 13 - 14 November 2015, pp.607-614
- **CBR Behavior Of Zinc Factory Slag For Highway Embankment**
AKTAŞ B., Baydilli E., ASLAN Ş.
1st IRF Europe & Central Asia Regional Congress, İstanbul, Turkey, 15 - 18 September 2015
- **Assesment Of The Use Of Diatomite And Pumice In Stone Mastic Asphalt As Stabilizer**
AKTAŞ B., ASLAN Ş.
International Science and Technology Conference, St. Petersburg, Russia, 2 - 04 September 2015
- **Comparing Transportation Modes Of Intercity Passenger Surveys in Kayseri**
AKTAŞ B., ASLAN Ş.
11 th International Congress on Advances in Civil Engineering (ACE), İstanbul, Turkey, 21 October - 25 December 2014
- **Marshall Stability Performance Of Waste Zinc Slag In Hma**
AKTAŞ B., Bozdemir S.
2nd International Balkans Conference on Challenges of Civil Engineering, Albania, 1 - 04 May 2013, pp.690-697
- **Experimental Investigation of Chip Seal Adhesion Performance with Modified Binder in Cold Climate**
AKTAŞ B., Karaşahin M.
Transportation Research Board 92nd Annual Meeting, United States Of America, 1 - 04 January 2013
- **Investigation Of Performance Of Chip Seals Under Heavy Traffic With Nondestructive Tests**
Gürer C., Karaşahin M., Saltan M., AKTAŞ B., Çetin S., Uz V. E. , Taciroğlu M. V. , Tiğdemir M., Kalyoncuoğlu Ş. F.
2012 International Construction Congress, Turkey, 1 - 04 October 2012
- **Investigation Skid Resistance Effects On Traffic Safety At Urban Intersections**
Saplıoğlu M., Erişkin E., Yüzer E., AKTAŞ B.
10th International Congress on Civil Engineering, Turkey, 1 - 04 July 2012, pp.997
- **Usability of Waste Roofing Shingle, PVC and Plastic Glass in HMA**

AKTAŞ B., Karaşahin M., Akkoç E., Bayrak M. Ç.

5. Eurasphalt & Eurobitume Congress, Turkey, 1 - 04 June 2012

• **Investigation Surface Characteristics of Chip Seals Under Hot Climate with Nondestructive Tests**

Gürer C., Karaşahin M., AKTAŞ B., Çetin S., Uz V. E. , Güngör A. G. , Orhan F.

5. Eurasphalt & Eurobitume Congress, Turkey, 1 - 04 June 2012

• **Sathi Kaplama Dizayn Yöntemleri**

Gürer C., Karaşahin M., Saltan M., Çetin S., AKTAŞ B.

The Sixth International Advanced Technologies Symposium, Turkey, 1 - 04 May 2011

• **Determining of Precoated Aggregate Performance on Chip Seals Using Vialit Test**

Karaşahin M., AKTAŞ B., Gürer C.

90th Annual Meeting of Transportation Research Board, United States Of America, 1 - 04 January 2011, pp.11-1220

• **Determination of the Performance Of Chip seal, Applied With HSKSC (Accelerated Chip seal Simulation Device) on Unbound Base.**

Karaşahin M., Gürer C., Taciroğlu M. V. , AKTAŞ B.

90th Annual Meeting of Transportation Research Board, United States Of America, 1 - 04 January 2011, pp.11-1225

• **Seal Coat Practices in Turkey**

Karaşahin M., Gürer C., Güngör A. G. , AKTAŞ B., Uz V. E. , Çetin S.

6th ARCHENG International Architecture and Engineering Symposiums, Turkey, 1 - 04 November 2010, pp.40-44

• **Türkiye’de ve Dünya’da Sathi Kaplama Uygulamaları**

Karaşahin M., Saltan M., Gürer C., Çetin S., AKTAŞ B., Uz V. E.

5. Ulusal Asfalt Sempozyumu ve Sergisi, Ankara, Turkey, 1 - 04 November 2009

• **Sathi Kaplamalarda Agrega Bitüm Adezyonuna Etki Eden Parametrelerin Araştırılması**

Karaşahin M., Saltan M., Gürer C., AKTAŞ B., Uz V. E. , Çetin S., Taciroğlu M. V.

5. Ulusal Asfalt Sempozyumu ve Sergisi, Ankara, Turkey, 1 - 04 October 2009

• **Yol Üstyapısında Poisson Oranının Sugeno Bulanık Çıkarım Yöntemiyle Belirlenmesi**

Yılmaz A., Karaşahin M., AKTAŞ B.

Bilimde Modern Yöntemler Sempozyumu (BMYS 2008), Eskişehir, Turkey, 1 - 04 October 2008

• **Esnek Üstyaplarda Yorulma Ömrünün ANFIS İle Modellenmesi**

AKTAŞ B., Yılmaz A., Karaşahin M.

Akıllı Sistemlerde Yenilikler ve Uygulamaları (ASYU 2008), Isparta, Turkey, 1 - 04 June 2008

Supported Projects

AKTAŞ B., AYTEKİN Ş., Project Supported by Higher Education Institutions, İLİK ASFALT ÜRETİMİNDE KULLANILAN KATKILARIN PERFORMANS DEĞERLENDİRMELERİ VE BU KATKILARLA KGM ŞARTNAMELERİNE GÖRE ASFALT KAPLAMA DİZAYNLARI, 2018 - 2018

AKTAŞ B., ASLAN Ş., Project Supported by Higher Education Institutions, ENDÜSTRİYEL ATIKLARIN YOL ÜSTYAPI TABAKALARINDA VE DOLGULARINDA KULLANILABİLİRLİĞİNİN ARAŞTIRILMASI, 2015 - 2017

AKTAŞ B., BOZDEMİR S., Project Supported by Higher Education Institutions, KAYSERİ ÇİNKO-KURŞUN ÜRETİM TESİSİ ATIKLARININ BİTÜMLÜ SICAK KARIŞIMLARDA KULLANIMI, 2013 - 2014

AKTAŞ B., TUBİTAK Project, Karayollarında Sathi Kaplama Uygulamalarının İyileştirilmesi ve Performans Modeli Geliştirilmesi, 2008 - 2011

AKTAŞ B., Other Supported Projects, Performance Analysis of Aggregate/Binder Combinations Used for the ODOT Chip Seal Program, 2009 - 2010

AKTAŞ B., Other Supported Projects, Quantifying the Costs and Benefits of Pavement Retexturing as a Pavement Preservation Tool, 2008 - 2010

Scientific, Association Organizations and Organizations Membership / Tasks

Member, 2008 - Continues

Scientific Refereeing

Transportation Research Board, National Scientific Refreed Journal, July 2011

Invited Congress and Symposium Activities

92th Annual Meeting of Transportation Research Board, Attendee, Washington D.C, United States Of America, 2013 - 2013

5. Eurasphalt & Eurobitume Congress, Attendee, İstanbul, Turkey, 2012 - 2012

Demiryolu Taşımacılığı ve Lojistik Taşımacılığı Çalıştayı, Attendee, Isparta, Turkey, 2011 - 2011

90th Annual Meeting of Transportation Research Board, Attendee, Washington D.C., United States Of America, 2011 - 2011

Bilimde Modern Yöntemler Sempozyumu, Attendee, Eskişehir, Turkey, 2008 - 2008

2nd International Railway Symposium, Attendee, İstanbul, Turkey, 2008 - 2008

Akıllı Sistemlerde Yenilikler ve Uygulamaları (ASYU 2008), Attendee, Isparta, Turkey, 2008 - 2008

Citations

Total Citations (WOS):83

h-index (WOS):6

Awards

AKTAŞ B., Doktora Tezi Birincilik Ödülü, YTMK-Yollar Türk Milli Komitesi, December 2012