

## Prof. MUHAMMET VEFA AKPINAR

### Personal Information

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**Address:** Karadeniz Teknik Üniversitesi İnşaat Mühendisliği Bölümü 61080 Trabzon, Türkiye

### International Researcher IDs

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Publons / Web Of Science ResearcherID: J-2830-2017

ScopusID: 24398356200

Yoksis Researcher ID: 151394

### Biography

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Prof.Dr. Akpınar has worked as a professional engineer in Houston, Texas. He was involved in QC/QA issues on geotechnical and pavement fields. Prof.Dr. Akpınar worked as a Post Doctoral Research Associate at Kansas State University. He is a licensed Professional Engineer in Ohio and Texas states.

Prof.Dr. Akpınar's teaching and research interests focus primarily on pavement mechanics and advanced modeling, pavement interlayer systems, and nondestructive evaluation. He has been working on transportation infrastructure instrumentation, full-scale accelerated testing, modeling of concrete and asphalt pavement response to tire loading, pavement fracture and modeling of pavement interface systems, accelerated pavement testing, and improvement of weak base layers with geocell cells.

Prof.Dr. Akpınar has taught graduate and undergraduate courses in Transportation and Geotechnical Engineering fields. He has thought about soil mechanics, transportation I-II, computer-aided pavement road design, and statistics undergraduate courses and pavement design, stress-strain analyses in pavement roads, pavement drainage, soil mechanics for pavement roads, pavement friction graduate courses.

He has been a principal investigator on several major pavement instrumentation projects, including projects completed for the Turkish National Science Foundation, TÜBİTAK, 106M423 where he developed a new device that can be used as a pullout and as a full-scale direct shear box, especially for geogrid performance under pavement evaluation.

Prof.Dr. has a solid working relationship with the Turkish Highway General Office, TCK, and has completed several major forensic investigations to identify the causes of pavement failure. By combining advanced non-destructive testing results he has successfully identified problems with flexible pavements in Trabzon. He is currently assisting TCK with the implementation of the APT procedure into their project-level pavement design system.

Prof.Dr. Akpınar's more recent research has been involved with the design and development of the full-scale Accelerated Pavement Testing Facility at KTÜ. Currently, he is the principal investigator of the Accelerated Pavement Testing Program which is the only program available in Turkey and one of the most comprehensive programs in Europe. As part of this effort, he is building pavement deterioration curves based on information stored in the Flexible Pavement DataBase. One important aspect of this system is the development and implementation of a mechanistic pavement design procedure for Turkish highways. Prof.Dr. Akpınar has broad experience in implementing improved systems, developing the necessary training materials, and conducting training schools.

Another major area of research is in the development and implementation of Geocell technology. He has established a pressure gage, strain gage, and plate loading system that evaluates the bearing capacity of pavement layers reinforced with geocells. By performing bearing capacity tests combining advanced non-destructive testing results he has successfully identified problems with flexible pavements in Trabzon.

## **Education Information**

Doctorate, Kansas State University, Civil Engineering, United States Of America 1999 - 2001

Postgraduate, University of Wisconsin-Madison, Civil Engineering and Environmental , Environmental And Civil Engineering, United States Of America 1996 - 1998

## **Foreign Languages**

English, B2 Upper Intermediate

## **Certificates, Courses and Trainings**

Occupational Health and Safety, İSG Occupational Health and Safety, Karadeniz Teknik Üniversitesi, 2015

Quality Management, Superpave Certificate, Kansas Department of Transportation-KSU Amerika, 2000

## **Dissertations**

Doctorate, Defining Roller Compactor Position and Slope OF tapered Surface in a Longitudinal Joint Construction Using 2-D Finite Element Model , Kansas State University, Civil Engineering, Transportation, 2001

Postgraduate, interface shear strength between geosynthetics at different temperatures., University of Wisconsin-Madison, Graduate School, Environmental And Civil Engineering, 1998

## **Research Areas**

Civil Engineering, Transportation Engineering, Airport Construction, Highways, Geotechnical, Soil Mechanics, Building materials, Concrete Technology, Engineering and Technology

## **Academic Titles / Tasks**

Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2018 - Continues

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat, 2012 - 2018  
Researcher, Kansas State University, Civil Engineering, Civil Engineering, 2004 - 2005  
Research Assistant, Kansas State University, Mühendislik Fakültesi, İnşaat Ve Çevre Mühendisliği, 1999 - 1999  
Other, University of Wisconsin-Madison, Graduate School, Environmental And Civil Engineering, 1996 - 1998  
Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 1992 - 1995

## Academic and Administrative Experience

Mustafa Kemal Üniversitesi, Geotechnic, İnşaat, 2001 - 2005

## Courses

YOL TABAKALARINDA GERİLME ANALİZLERİ, Doctorate, 2017 - 2018  
Hızlandırılmış Yol Testi, Doctorate, 2017 - 2018  
INSL7521 Geosentetiklerle Yolların Güçlendirilme.İng., Postgraduate, 2017 - 2018, 2015 - 2016  
QUALİTY CONTROL IN HOGHWAY CONSTRUCTION, Postgraduate, 2017 - 2018  
Railroad, Undergraduate, 2017 - 2018  
SEL 475 -A CONCRETE ROAD DESİGN AND APPLİCATION-A, Undergraduate, 2017 - 2018  
SEL 475 - Concrete Road Desing And Aplication [Teknik(Bölüm)Seçmeli] - B, Undergraduate, 2017 - 2018  
STABİLİTY OF ROAD AMBANKEMENTS, Postgraduate, 2016 - 2017  
Silindirle Sıkıştırıla,Beton Yollar, Doctorate, 2016 - 2017  
Accelerated Pavement Testing, Doctorate, 2015 - 2016  
Computer aided road design , Undergraduate, 2015 - 2016  
Transportation II, Undergraduate, 2015 - 2016

## Advising Theses

AKPINAR M. V., kent içi ulaşım mastır planı, Postgraduate, y.kırımoğlu(Student), Continues  
AKPINAR M. V., sİLİNDİRLE SIKIŞTILABİLEN BETON YOLLARDA FİBER KATKILARI, Doctorate, E.Avcı(Student), Continues  
AKPINAR M. V., polymer bazlı İfile güçlendirilmiş beton yolların performansı, Postgraduate, Ö.Faruk(Student), Continues  
AKPINAR M. V., RCC beton yollarda boylam derz çatlakların minimize edilmesi, Doctorate, M.Nas(Student), Continues  
AKPINAR M. V., beton yollarda sılı genleşmeye bağlı gerilmelerin tespiti, Postgraduate, M.Tan(Student), Continues  
AKPINAR M. V., Beton Yollarda Albedo etkisinin azaltılması ve derzsiz yol inşaati, Doctorate, S.sevin(Student), Continues  
AKPINAR M. V., Geri düşünüm asfalt malzmelerin temel malzmesi olarak kullanımının arşatrılması, Doctorate, A.Güneş(Student), Continues  
AKPINAR M. V., Beton yollarda derz aralağın belirlenmesi, Postgraduate, İ.Doğan(Student), Continues  
AKPINAR M. V., BETON YOLLARDA ÇATLAKLARIN MİNİMİZE EDİLMESİ, Postgraduate, T.KADIOĞLU(Student), Continues  
AKPINAR M. V., dersiz beton yol kaplama, Doctorate, M.seferoğlu(Student), Continues  
AKPINAR M. V., beton bariyerler ve trafik, Doctorate, s.özcanan(Student), Continues  
AKPINAR M. V., Beton yol üstü asfalt kaplama, Doctorate, M.çelik(Student), Continues  
AKPINAR M. V., Geri dönüşüm agregasının beton yol kaplamasında kullanılabilirliği, Postgraduate, E.Süme(Student), 2016  
AKPINAR M. V., Bozulmuş asfalt kaplamaların geri dönüşüm maliyet analizi ve optimum geri kazanım mesafesinin araştırılması, Postgraduate, A.Selinoğlu(Student), 2015  
AKPINAR M. V., Karadeniz Bölgesi köy yolları için rijit ve esnek kaplamanın mekanistik ve maliyet açısından karşılaştırılması, Postgraduate, m.çelik(Student), 2014  
AKPINAR M. V., Havaalanı rijit kaplamalarında farklı beton sınıfları için sıcaklık değişiminin sonlu elemanlar ve deneysel

çalışmalarla belirlenmesi, Postgraduate, m.tevfik(Student), 2014  
AKPINAR M. V., beton yol plakaların matematiksel modeli, Postgraduate, ü.yaşar(Student), 2013  
AKPINAR M. V., Beton yol kaplamaların sayısal tasarımında bilgi sistemleri ve yapay zeka yaklaşımı, Doctorate, E.Burak(Student), 2012  
AKPINAR M. V., Karayolu tabakalarında plaka yükleme deneyinin uygulanabilirliğinin araştırılması, Postgraduate, A.GÜNEŞ(Student), 2011  
AKPINAR M. V., Karayolu Alttemel Tabakası Taban Zemini Arasında Farklı Göz Açıklıklarındaki Geogridlerin Performanslarının Araştırılması, Doctorate, T.Sert(Student), 2010

## Jury Memberships

Post Graduate, 100.YIL ÜNİVERSİTESİ MASTIR TEZ SAVUNMASI, 100.YIL ÜNİVERSİTESİ İNŞAAT MÜHENDİSLİĞİ BÖLÜMÜ, December, 2017  
Doctorate, doktora savunması , karadeniz teknik üniversitesi, November, 2017  
Post Graduate, mastır tez, karadeniz teknik üniversitesi, May, 2017  
Doctorate, doktora tez, karadeniz teknik üniversitesi, March, 2016  
Post Graduate, juri, 19 Mayıs Üniversitesi, December, 2015  
Appointment to Academic Staff-Assistant Professorship, juri, artvin üniversitesi, March, 2015  
Post Graduate, juri, Recep Tayyip Erdoğan Üniversitesi, March, 2015  
Post Graduate, Mastır tez savunma:Trabzon Bölünmüş Sahil Yolu Üzerinde Coğrafi Bilgi Sistemleri İle Trafik Kazalarının Analiz, karadeniz teknik üniversitesi, February, 2015  
Post Graduate, tez, KTÜ, July, 2014  
Academic Staff Examination, juri, artvin üniversitesi, February, 2014  
Academic Staff Examination, juri, artvin üniversitesi, February, 2014  
Post Graduate, juri, KTÜ, March, 2013  
Post Graduate, yüksek lisans meatlurji, karadeniz teknik üniversitesi, January, 2013  
Post Graduate, mastır tez savunma metalurji, karadeniz teknik üniversitesi, February, 2012  
Doctorate, doktora tez savunma, karadeniz teknik üniversitesi, January, 2010

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigating the Influence of Joint Reinforcements of Portland Cement Concrete Slabs Under Asphalt Concrete Overlays on Vertical Deflections Using Accelerated Pavement Testing**  
Seferoglu M. T., Seferoglu A. G., Celik M., AKPINAR M. V.  
TRANSPORTATION RESEARCH RECORD, vol.2676, no.11, pp.296-305, 2022 (SCI-Expanded)
- II. **Strength properties of roller compacted concrete pavement (RCCP) under different curing methods**  
KELEŞ Ö. F., AKPINAR M. V.  
CONSTRUCTION AND BUILDING MATERIALS, vol.324, 2022 (SCI-Expanded)
- III. **Evaluation of Load-Transfer Efficiency of Steel Mesh Reinforced Contraction Joints in Concrete Pavement: Accelerated Pavement Test and FE Analysis**  
Celik M., Seferoglu M. T., AKPINAR M. V., Nasery M. M., Seferoglu A. G.  
TEKNİK DERGI, vol.32, no.6, pp.11337-11359, 2021 (SCI-Expanded)
- IV. **Performance of AC overlays using geogrids on PCC contraction joints**  
Celik M., Seferoglu M. T., AKPINAR M. V.  
GEOTEXTILES AND GEOMEMBRANES, vol.49, no.4, pp.1058-1065, 2021 (SCI-Expanded)
- V. **MECHANISTIC RESPONSES OF ASPHALT CONCRETE OVERLAY OVER JOINTED PLAIN CONCRETE PAVEMENT USING FINITE ELEMENT METHOD**  
Diallo A. O., AKPINAR M. V.  
BALTIC JOURNAL OF ROAD AND BRIDGE ENGINEERING, vol.15, no.5, pp.80-93, 2020 (SCI-Expanded)

- VI. **Investigating the Mechanical Behavior of Reclaimed Asphalt Pavement (RAP) Bases in Large Scale Test Box**  
SEFEROĞLU A. G., Seferoglu M. T., AKPINAR M. V.  
TEKNIK DERGI, vol.30, no.6, pp.9581-9596, 2019 (SCI-Expanded)
- VII. **Experimental study on cement-treated and untreated RAP blended bases: Cyclic plate loading test**  
Seferoğlu A. G., SEFEROĞLU M. T., AKPINAR M. V.  
Construction and Building Materials, vol.182, pp.580-587, 2018 (SCI-Expanded)
- VIII. **Pavement subgrade stabilization with lime and cellular confinement system**  
AKPINAR M. V., Pancar E. B., Şengül E., Aslan H.  
Baltic Journal of Road and Bridge Engineering, vol.13, no.2, pp.87-93, 2018 (SCI-Expanded)
- IX. **Investigation of the Effect of Recycled Asphalt Pavement Material on Permeability and Bearing Capacity in the Base Layer**  
Seferoglu A. G., SEFEROĞLU M. T., AKPINAR M. V.  
ADVANCES IN CIVIL ENGINEERING, vol.2018, 2018 (SCI-Expanded)
- X. **Effects of fine aggregate abrasion resistance and its fineness module on wear resistance of Portland cement concrete pavements**  
Karpuz O., AKPINAR M. V., Aydin M. M.  
Revista de la Construcción, vol.16, no.1, pp.126-132, 2017 (SCI-Expanded)
- XI. **Temperature Reduction of Concrete Pavement Using Glass Bead Materials**  
Pancar E. B., AKPINAR M. V.  
INTERNATIONAL JOURNAL OF CONCRETE STRUCTURES AND MATERIALS, vol.10, no.1, pp.39-46, 2016 (SCI-Expanded)
- XII. **Comparison of Effects of Using Geosynthetics and Lime Stabilization to Increase Bearing Capacity of Unpaved Road Subgrade**  
Pancar E. B., AKPINAR M. V.  
ADVANCES IN MATERIALS SCIENCE AND ENGINEERING, vol.2016, 2016 (SCI-Expanded)
- XIII. **Determining the Critical Tire and Axle Configuration for Flexible Pavements Based on Mechanistic Analysis**  
Ozcanan S., AKPINAR M. V.  
TEKNIK DERGI, vol.25, no.1, pp.6625-6654, 2014 (SCI-Expanded)
- XIV. **Evaluation of Internal Resistance in Asphalt Concretes**  
ZANDI Y., AKPINAR M. V.  
INTERNATIONAL JOURNAL OF CONCRETE STRUCTURES AND MATERIALS, vol.6, no.4, pp.247-250, 2012 (SCI-Expanded)
- XV. **INVESTIGATION OF GEOGRID APERTURE SIZE EFFECTS ON SUBBASE-SUBGRADE STABILIZATION OF ASPHALT PAVEMENTS**  
SERT T., AKPINAR M. V.  
BALTIC JOURNAL OF ROAD AND BRIDGE ENGINEERING, vol.7, no.2, pp.160-168, 2012 (SCI-Expanded)
- XVI. **Chemical composition of building materials used in Turkey**  
ÇEVİK U., Damla N., Van Grieken R., AKPINAR M. V.  
CONSTRUCTION AND BUILDING MATERIALS, vol.25, no.4, pp.1546-1552, 2011 (SCI-Expanded)
- XVII. **Investigation of geogrid performance on highway subbase by using the pullout test device, Pullout test aleti ile karayolu alttemelinde geogrid performansinin araştırılması**  
Sert T., Akpinar M. V.  
Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers, vol.22, pp.5285-5304, 2011 (SCI-Expanded)
- XVIII. **Investigation of Geogrid Performance on Highway Subbase By Using The Pullout Test Device**  
SERT T., AKPINAR M. V.  
TEKNIK DERGI, vol.22, no.1, pp.5285-5304, 2011 (SCI-Expanded)
- XIX. **Effects of truck load position on longitudinal joint deterioration**  
Akpınar M. V.  
INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, vol.15, no.1, pp.36-40, 2008 (SCI-Expanded)

- XX. **Effect of cement on emulsified asphalt mixtures**  
Oruc S., Celik F., Akpinar M. V.  
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.16, no.5, pp.578-583, 2007 (SCI-Expanded)
- XXI. **Effect of temperature on shear strength of two geomembrane-geotextile interfaces**  
AKPINAR M. V., Benson C.  
GEOTEXTILES AND GEOMEMBRANES, vol.23, no.5, pp.443-453, 2005 (SCI-Expanded)
- XXII. **Textured Surface and Strain Rate Effects on Geomembrane and Geotextile Interface Shear Strength at Different Temperatures**  
AKPINAR M. V., Benson C.  
GEOTEXTILES AND GEOMEMBRANES, vol.23, pp.443-453, 2005 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Investigation of fatigue behavior of fiber reinforced concrete pavements under dynamic load**  
kanbak c., Ozcanan S., akpinar m., Atahan A.  
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.13, no.4, pp.1009-1018, 2023 (Peer-Reviewed Journal)
- II. **Friction Loss of Concrete Pavement Surface**  
KARPUZ O., ÇELİK M., AKPINAR M. V., ASLAN H., ÇİÇEK E.  
Journal of Innovative Engineering and Natural Science, vol.2, no.2, pp.66-75, 2022 (Peer-Reviewed Journal)
- III. **Effect of filler percentage of recycled asphalt pavement (RAP) materials on CBR performance and cost analysis**  
Seferoglu A. G., Seferoglu M. T., AKPINAR M. V., Celik M.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.26, no.6, pp.1023-1029, 2020 (ESCI)
- IV. **Economic Analysis of the Use of Reclaimed Asphalt Pavement (RAP) Materials in Plant-Mix Base Courses**  
Seferoglu A. G., Seferoglu M. T., AKPINAR M. V., Celik M.  
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, no.4, pp.1327-1338, 2020 (ESCI)
- V. **Kazınmış Asfalt Kaplama (RAP) Malzemelerinin Filler Oranının CBR Performansına Etkisi ve Maliyet Analizi**  
seferoğlu a. g., SEFEROĞLU M. T., AKPINAR M. V., ÇELİK M.  
Pamukkale Univ Muh Bilim Derg., no.3333, pp.9581-9596, 2020 (Peer-Reviewed Journal)
- VI. **An investigation on vertical displacement formations with respect to the types of joints in concrete road applications and cost analysis: An example from trabzon-rize Beton yol uygulamalarında derz türlerine göre düşey deplasman oluşumlarının incelenmesi ve maliyet analizi: Trabzon-rize örneği**  
Çelik M., Seferoğlu M. T., AKPINAR M. V., Güneş Seferoğlu A.  
El-Cezeri Journal of Science and Engineering, vol.7, no.2, pp.474-486, 2020 (Scopus)
- VII. **Trabzon Uzungöl Sit Alanı için Kaya Islahı Projelendirmesinde Karşılaşılan Zorluklar ve Çözüm Önerileri**  
ÇELİK M., SEFEROĞLU M. T., SEFEROĞLU A. G., AKPINAR M. V.  
Journal of Investigations on Engineering and Technology, vol.1, no.1, pp.1-6, 2018 (Peer-Reviewed Journal)
- VIII. **Hızlandırılmış Yol Testleri**  
AKPINAR M. V.  
Türkiye Mühendislik Haberleri, TMMOB, İnşaat Mühendisleri Odası, vol.2, no.1, pp.9-19, 2017 (Peer-Reviewed Journal)
- IX. **Türkiye'de Geri Dönüşüm Asfalt Kaplamaların (RAP) Bağlayıcısız Temel Tabakalarında Kullanılabilirliği ve Şartname Gereksinimleri**  
seferoğlu a. g., SEFEROĞLU M. T., AKPINAR M. V.  
Yapı Dünyası, pp.21-26, 2017 (Peer-Reviewed Journal)
- X. **Heavy lead (Pb) mobility in compacted clay soils under landfill liners**

AKBULUT ÖZEN S., AKPINAR M. V., ÇEVİK U.

International Journal of Application or Innovation in Engineering Management, vol.6, no.5, pp.65-71, 2017 (Peer-Reviewed Journal)

- XI. **EFFECT OF GLASS BEAD AND ZEOLITE IN CONCRETE UNDER HIGH TEMPERATURE**  
AKPINAR M. V.  
International Journal of Research –Granthaalayah, vol.4, no.12, pp.12-19, 2016 (Peer-Reviewed Journal)
- XII. **Field and Loading Unit Analysis of Vertical Pressure Distribution on Highway Sublayers**  
Kütük T., Gürbüz A., AKPINAR M. V.  
American Academic & Scholarly Research Journal, vol.8, no.6, pp.2-12, 2016 (Peer-Reviewed Journal)
- XIII. **Karayolu ve Havayolu Kaplamalarında Kullanılan Kar ve Buzla Mücadele Yöntemlerinin Mali Analizi**  
Seferoglu G., Seferoglu M. T., AKPINAR M. V.  
GAZİ ÜNİVERSİTESİ FEN BİLİMLERİ DERGİSİ PART: C TASARIM VE TEKNOLOJİ, vol.1, no.3, pp.407-416, 2015 (Peer-Reviewed Journal)
- XIV. **EFFECT OF GROOVE WIDTH AND SHAPE ON CONCRETE PAVEMENT SKID RESISTANCE Vol 4 No 3 pp 081 086 March 2015**  
PANCAR E. B., KARACA Z., AKPINAR M. V.  
International Journal of Innovation Sciences and Research, vol.4, no.3, pp.81-86, 2015 (Peer-Reviewed Journal)
- XV. **EFFECT OF GROOVE WIDTH AND SHAPE ON CONCRETE PAVEMENT SKID RESISTANCE**  
pancar e. b., karaca z., AKPINAR M. V.  
International Journal of Innovation Sciences and Research, vol.4, no.3, pp.81-86, 2015 (Peer-Reviewed Journal)
- XVI. **Information systems and artificial intelligence technology applied in concrete road design**  
Pancar E. B., AKPINAR M. V.  
Advances in Intelligent Systems and Computing, vol.343, pp.559-568, 2015 (Scopus)
- XVII. **KARAYOLLARINDA REAKSİYON MODÜLÜNÜN BELİRLENMESİNDE UYGUN PLAKA YÜK VE BOYUTLARININ SONLU ELEMANLAR YÖNTEMİYLE TESPİTİ**  
SEFEROĞLU A. G., SEFEROĞLU M. T., AKPINAR M. V.  
Yapı Dünyası Dergisi, vol.3, no.1, pp.407-416, 2014 (Peer-Reviewed Journal)
- XVIII. **Assessing Permenant Deformation of Asphalt Mixtures Using Digital Imaging**  
Zandi Y., AKPINAR M. V., Mehdizadeh M.  
Journal of Basic and Applied scientific research, vol.2, no.5, pp.5292-4304, 2012 (Peer-Reviewed Journal)
- XIX. **research on feasibility of plate loading testing on highway pavement layers**  
seferoğlu a. g., AKPINAR M. V.  
e-journal of new world sicence academy, vol.6, no.4, pp.1190-1199, 2011 (Peer-Reviewed Journal)
- XX. **Hızlandırılmış Yol Testi**  
AKPINAR M. V.  
Hazır Beton, THBB, no.97, pp.63-65, 2010 (Peer-Reviewed Journal)
- XXI. **İnce Agrega Türünün Kaplama Betonunun Aşınma Direncine Etkisi**  
KARPUZ O., AKPINAR M. V.  
Electronic Journal of Construction Technologie, vol.5, no.2, pp.1-8, 2009 (Peer-Reviewed Journal)
- XXII. **Identification of interfacial stress pattern on dentin post interface**  
AKPINAR M. V., Akpınar Y.  
Journal of Dental Clinics and Research, vol.5, no.2, pp.103-110, 2009 (Peer-Reviewed Journal)
- XXIII. **Beton yollarda karışım incelik modülünün sürtünme kaybına etkisi**  
Karpuz O., AKPINAR M. V., Sert T.  
ÇUKUROVA ÜNİVERSİTESİ MÜHENDİSLİK MİMARLIK FAKÜLTESİ DERGİSİ, vol.23, pp.137-146, 2008 (Peer-Reviewed Journal)
- XXIV. **Guidlines in Production of Two Step Anaerobic Digestion for Turkish Army**  
AKPINAR M. V.  
SCIENCE JOURNAL OF THE TURKISH MILITARY ACADEMY, vol.15, pp.20-30, 2005 (Peer-Reviewed Journal)
- XXV. **The Effect of Fine Aggregate Type on Wear Resistance of Pavement Concrete**  
Karpuz O., AKPINAR M. V.

Yapı Teknolojileri Elektronik Dergisi, vol.5, pp.1-8, 2004 (Peer-Reviewed Journal)

- XXVI. **Analysis of Intercity Transportation Mode Choice From Banjarmasin City Disaggregate Logit Model**  
Radam I. F., AKPINAR M. V., Örnak M.  
Çukurova Univ. Journal of Faculty of Engineering, vol.19, pp.112-132, 2004 (Peer-Reviewed Journal)

## **Books & Book Chapters**

- I. **Comparison of asphalt and concrete pavement solar reflectance**  
AKPINAR M. V., sevinç s.  
in: Green Energy and Technology, Sandro Nizetic Agis Papadopoulos, Editor, Springer, London/Berlin , Londra, pp.42-49, 2018
- II. **Energy Analysis and Energy Storage Technologies. Comparison of concrete and asphalt pavement roads**  
AKPINAR M. V., SEVİN S.  
in: Green Energy and Technology, Sandro Nizetic Agis Papadopoulos, Editor, SPRINGER, pp.51-59, 2018
- III. **karayolu tasarımı**  
AKPINAR M. V.  
Birsen Yayınevi, İstanbul, 2017
- IV. **GUIDE TO CONCRETE OVERLAYS**  
AKPINAR M. V.  
Türkiye Çimento Müstahsiller Birliği, Ankara, 2016
- V. **Roller compacted concrete pavement guide**  
AKPINAR M. V.  
Tçmb, Ankara, 2015
- VI. **Chapter 57 Intelligent Computing and Applications Volume 343 of the series Advances in Intelligent Systems and Computing**  
Burak e., AKPINAR M. V.  
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## Activities in Scientific Journals

Engineering Science and Technology, an International Journal , Committee Member, 2018 - Continues

international journal of advanced research, Committee Member, 2017 - Continues

American Journal of Geophysics, Geochemistry and Geosystems, Committee Member, 2017 - Continues

Niğde üniversitesi mühendislik bilimler dergisi , Committee Member, 2016 - Continues

Çimento ve Beton Dünyası , Advisory Committee Member, 2016 - Continues

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, Editor, 2011 - Continues

## Memberships / Tasks in Scientific Organizations

Ministry of Transport and Infrastructure, Republic of Turkey, Member, 2018 - Continues, Turkey

Chamber of Civil Engineers, Ankara, Member of Science Committee, 2016 - Continues, Turkey

Chamber of Civil Engineers, Trabzon, Member of Science Committee, 2016 - Continues, Turkey

Türkiye Çimento Müstahsiller Birliği, Member, 2013 - Continues

Yollar Türk Mli Komitesi, Member, 2009 - Continues

Professional Engineer, P.E. Texas, Member, 2001 - Continues, United States Of America

Ohio Professional Engineering, USA, Member, 2000 - Continues, United States Of America

Geosynthetics , Member, 2011 - 2013, Turkey

## Scientific Refereeing

International Journal of Transportation Engineering and Technology, Other Indexed Journal, July 2017

G7 yedinci ulusal geosentetikler konfreansı, Other Journals, May 2017

İMO teknik dergi (sci expanded), National Scientific Refreed Journal, May 2017

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji , National Scientific Refreed Journal, April 2017

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji , National Scientific Refreed Journal, February 2017

imo teknik dergi (sci index), SCI Journal, January 2017

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, National Scientific Refreed Journal, January 2017

accident analysis and preventation , SCI Journal, November 2016

American Journal of Geopyhsics, Geochmeistry and Geosyncience, Other Indexed Journal, November 2016

gazi university journal of science par A: engineering and innovation, SCI Journal, July 2016

19 th EURO Working Group on Transportation meeting, Other Journals, July 2016

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji , National Scientific Refreed Journal, May 2016

AFRİCAN JOURNAL OF ENGINEERİNG RESEARCH, SCI Journal, April 2016

american journal of physiscs, geochmeistry, and geosystems, Other Indexed Journal, April 2016

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji , National Scientific Refreed Journal, February 2016

yrđ doç.atama, Other Journals, September 2015

MİLLÎ EĞİTİM BAKANLIĞI YURTDIŞI LİSANSÜSTÜ , Other Journals, August 2015

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji , National Scientific Refreed Journal, April 2015

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, National Scientific Refreed Journal, March 2015

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, National Scientific Refreed Journal, February 2015

Advances in materials research, SCI Journal, June 2014

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji , National Scientific Refreed Journal, May 2014

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, National Scientific Refreed Journal, March 2014

TÜBİTAK Proje , Other Journals, December 2012

10 th international congress on advances in civil engineering, Other journals, November 2012

Fırat üniversitesi fen bilimler dergisi, National Scientific Refreed Journal, August 2011

International journal of pavement research and technology , Other Indexed Journal, January 2011

TUBİTAK Project, November 2010

5.ulusal asfalt sempozyumu, Other Journals, November 2009

## Scientific Consultations

Ulaştırma Bakanlığı AYGM, Scientific Consultancy, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey, 2022 - Continues

AKÇANSA, Other, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat, Turkey, 2015 - Continues

Türkiye Çimento müstahsiller birliği, Scientific Consultancy, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat, Turkey, 2013 - Continues

Ulaştırma Bakanlığı, Scientific Consultancy, Turkey, 2009 - 2009

## Metrics

Publication: 131

Citation (WoS): 293

Citation (Scopus): 368

H-Index (WoS): 8

H-Index (Scopus): 8

## Congress and Symposium Activities

2.ulusal tüneller ve altyapılar kongresi, Invited Speaker, Ankara, Turkey, 2019

Ulaştırma lojistik, Attendee, Sakarya, Turkey, 2018

SSB Ağrı uygulaması, Invited Speaker, Ağrı, Turkey, 2018

Beton yol, Invited Speaker, Ankara, Turkey, 2018

Daily Temperature Change in Concrete Pavements, Albedo effect and Stress Analysis by 3D Finite Element Method., Attendee, Bayburt, Turkey, 2017

Thermal Stress Analysis of Concrete Pavement under Different Albedo Values., Attendee, Bayburt, Turkey, 2017

Comparison of the Cost, Construction and Benefit of the Innovative Steel Barriers and Embankment Walls in Trabzon, Attendee, Bayburt, Turkey, 2017

IEEEES-9, 9 th International Exery, Energy and Environment Symposium, University of Split, Croatia, May 14-17, 2017., Attendee, Split, Croatia, 2017

IEEEES-9, 9 th International Exery, Energy and Environment Symposium, University of Split, Croatia, May 14-17, 2017., Attendee, Split, Croatia, 2017

samsun beton yol sempozyumu, Invited Speaker, Samsun, Turkey, 2017

samsun beton yol, Attendee, Samsun, Turkey, 2017



International Black Sea Mining and Tunnelling Symposium 2016, Attendee, Trabzon, Turkey, 2016  
AASRC MULTILINGUAL INTERNATIONAL CONFERENCE, Attendee, Ankara, Turkey, 2016  
12 th international congress on advances in civil engineering, Attendee, İstanbul, Turkey, 2016  
beton yol toplantısı, Attendee, Trabzon, Turkey, 2016  
ulusal beton kongresi, Attendee, Antalya, Turkey, 2016  
7.kentsel altyapı sempozyumu, Panelists, Trabzon, Turkey, 2015  
7.kentsel altyapı sempozyumu, Attendee, Trabzon, Turkey, 2015  
13th TÇMB Intenational technical seminar and exhibition, Attendee, Antalya, Turkey, 2015  
13.uluslararası teknik seminer, Panelists, Antalya, Turkey, 2015  
ace 2016, Attendee, Trabzon, Turkey, 2015  
XIX ULUSAL MEKANİK KONGRE, Attendee, Trabzon, Turkey, 2015  
ace 2015, Session Moderator, Trabzon, Turkey, 2015  
beton yol toplantısı, Attendee, Elazığ, Turkey, 2015  
Trabzon kamu kuruluşları için beton yol uygulamaları, Attendee, Trabzon, Turkey, 2014  
3. Orman İnşaat Transportu ve teknolojileri, Attendee, Trabzon, Turkey, 2014  
Beton yol ve uygulamaları, Attendee, Elazığ, Turkey, 2014  
Tebriz, Invited Speaker, Tabriz, Iran, 2014  
hazır beton kongresi, Attendee, İstanbul, Turkey, 2013  
1.uluslararası raylı sistemler mühendisliği çalıştayı IWRSE 12, Attendee, Karabük, Turkey, 2012  
conference ICCT 09 perpetual office of international conferences on seismic retrofitting 2012, Attendee, Tabrîz, Iran, 2012  
İnternational Participated contruction congress, Attendee, Elazığ, Turkey, 2011  
1 st International conference on advanced comuting and communication technolgy, Attendee, Kochi, India, 2011  
International Conference on Concrete Technology, Invited Speaker, Tabriz, Iran, 2010  
9 th international congress on advances in civil engineering, Attendee, Trabzon, Turkey, 2010  
International Conference on Concrete Technology, Session Moderator, Tabriz, Iran, 2009

## Scholarships

NATO B2 BURSU, DOKTORA SONRASI ARAŞTIRMA, TUBITAK, 2004 - Continues  
Yurtdışı Doktora, Ministry of Education, 1997 - Continues  
YURTDIŞI MASTIR EĞİTİM, Ministry of Education, 1994 - Continues

## Awards

AKPINAR M. V., beton yol uygulaması, Giresun üniversitesi, August 2018  
AKPINAR M. V., BETON YOL ARAŞTIRMALARI, AKÇANSA ÇİMENTO SANAYİ VE TİCARET A.Ş., October 2015  
Honor Student, Karadeniz Teknik Üniversitesi, May 1991

## Visual Activities

AKPINAR M. V., TV / Radio Training Program in Corporate Studios, 2018 - Continues  
AKPINAR M. V., TV Show, 2019 - 2019  
AKPINAR M. V., TV Show, 2018 - 2018  
AKPINAR M. V., TV Show, 2018 - 2018  
AKPINAR M. V., TV Show, 2016 - 2016  
AKPINAR M. V., TV / Radio Training Program in Corporate Studios, 2016 - 2016  
AKPINAR M. V., TV / Radio Training Program in Corporate Studios, 2009 - 2009

## **Non Academic Experience**

Business Establishment Private, 1. Tümaş A.Ş. Avrupa Birliđi Hibe Programı, Samsun Tekkeköy Lojistik Üssü

Business Establishment Private, Türkiye Çimento Müstahsiller Birliđi, Beton

alanya keykubat üniversitesi

Türkiye çimento müstahsille birliđi

avrupa lefke üniversitesi

ground technolgy

Business Organization (private), Ground Technolgy, Houston Tx, Beton Yol Ve Geotechnic