

## Prof. MUHAMMET VEFA AKPINAR

### Personal Information

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### Biography

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

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.

Dr. Akpınar has taught graduate and undergraduate courses in Transportation and Geotechnical Engineering fields. He has taught 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 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 which can be used as pullout and as an full scale direct shear box especially for geogrid performans under pavement evaluation.

He has a solid working relationship with the Turkish Highway General Office, TCK and has completed several major forensic investigation to identify 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.

MR. 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 principal investigator on the Accelerated Pavement Testing Program which is the only program available in Turkey and one of the most comprehensive program in Europe. As part of this effort he is building pavement deterioration curves based on information stored in the Flexible Pavement Data Base. One important aspect of this system is the development and implementation of a mechanistic pavement design procedure for Turkish highways. Mr. 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. He has been actively performing research to determine how aggregate gradation, nominal max. size of aggregate, temperature, frost action, and moisture influence

the load carrying capabilities of Geocell geosynthetic materials with varying thickness. He try to incorporate the research findings into the design, construction, behavior, and performance of pavement systems.

## **Education Information**

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

Post Graduate, University of Wisconsin-Madison, Graduate School, Environmental And Civil Engineering, United States Of America 1996 - 1998

## **Foreign Languages**

English, C1 Advanced

## **Certificates, Courses and Trainings**

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

Occupational Health and Safety, UZEM, Karadeniz Teknik Üniversitesi, 2014

Other, Kamuşatırma, İnşaat Mühendisler Odası-Trabzon, 2007

Quality Management, Superpave, 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

Post Graduate, 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**

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat, 2012 - Continues

Medical Doctor, 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, 1992 - 1995

## **Academic and Administrative Experience**

## Courses

YOL TABAKALARINDA GERİLME ANALİZLERİ, Doctorate, 2017 - 2018  
ULAŞIM I-B, Under Graduate, 2016 - 2017, 2017 - 2018  
Hızlandırılmış Yol Testi, Doctorate, 2017 - 2018  
INSL7521 Geosentetiklerle Yolların Güçlendirilme.İng., Post Graduate, 2015 - 2016, 2017 - 2018  
QUALİTY CONTROL IN HOGHWAY CONSTRUCTION, Post Graduate, 2017 - 2018  
iş makinaları , Under Graduate, 2016 - 2017  
DEMİRYOLU, Under Graduate, 2017 - 2018  
SEL 475 -A CONCRETE ROAD DESIGN AND APPLİCATION-A, Under Graduate, 2017 - 2018  
SEL 475 - Concrete Road Desing And Aplication [Teknik(Bölüm)Seçmeli] - B, Under Graduate, 2017 - 2018  
STABİLİTY OF ROAD AMBANKEMENTS, Post Graduate, 2016 - 2017  
Silindirle Sıkıştırırla.Beton Yollar, Doctorate, 2016 - 2017

## Advising Theses

AKPINAR M. V. , kent içi ulaşım mastır planı, Post Graduate, y.kırımoğlu(Student), Continues  
AKPINAR M. V. , SİLİNDİRLE SIKIŞTILABİLEN BETON YOLLARDA FİBER KATKILARI, Doctorate, E.Avcı(Student), Continues  
AKPINAR M. V. , polymer bazlı ifile güçlendirilmiş beton yolların performansı, Post Graduate, 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, Post Graduate, M.Tan(Student), Continues  
AKPINAR M. V. , Beton Yollarda Albedo etkisinin azaltılması ve derzsiz yol inşaatı, Doctorate, S.sevin(Student), Continues  
AKPINAR M. V. , Geri düşüm asfalt malzemelerin temel malzmesi olarak kullanımının araştırılması, Doctorate, A.Güneş(Student), Continues  
AKPINAR M. V. , Beton yollarda derz aralağın belirlenmesi, Post Graduate, İ.Doğan(Student), Continues  
AKPINAR M. V. , BETON YOLLARDA ÇATLAKLARIN MİNİMİZE EDİLMESİ, Post Graduate, 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, Post Graduate, E.Süme(Student), 2016  
AKPINAR M. V. , Bozulmuş asfalt kaplamaların geri dönüşüm maliyet analizi ve optimum geri kazanım mesafesinin araştırılması, Post Graduate, A.Selinoğlu(Student), 2015  
AKPINAR M. V. , Karadeniz Bölgesi köy yolları için rijit ve esnek kaplamanın mekanistik ve maliyet açısından karşılaştırılması, Post Graduate, m.çelik(Student), 2014  
AKPINAR M. V. , Havaalanı rijit kaplamalarında farklı beton sınıfları için sıcaklık değişiminin sonlu elemanlar ve deneysel çalışmalarla belirlenmesi, Post Graduate, m.tevfik(Student), 2014  
AKPINAR M. V. , beton yol plakaların matematiksel modeli, Post Graduate, 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, Post Graduate, 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, mastir tez, karadeniz teknik üniversitesi, May, 2017  
Doctorate, doktora tez, karadeniz teknik üniversitesi, March, 2016  
Post Graduate, juri, 19 Mayıs Üniversitesi, December, 2015  
Post Graduate, juri, Recep Tayyip Erdoğan Üniversitesi, March, 2015  
Appointment Academic Staff, juri, artvin üniversitesi, March, 2015  
Post Graduate, Mastir 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 meaturji, karadeniz teknik üniversitesi, January, 2013  
Post Graduate, mastir tez savunma metalurji, karadeniz teknik üniversitesi, February, 2012  
Doctorate, doktora tez savunma, karadeniz teknik üniversitesi, January, 2010

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

- I. **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 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **Effects of fine aggregate abrasion resistance and its fineness module on wear resistance of Portland cement concrete pavements**  
Karpuz O., AKPINAR M. V. , Aydın M. M.  
Revista de la Construcción, vol.16, no.1, pp.126-132, 2017 (Journal Indexed in SCI)
- VI. **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 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)
- VIII. **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 (Journal Indexed in SCI)
- IX. **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 (Journal Indexed in SCI)
- X. **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 (Journal Indexed in SCI)
- XI. **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 (Journal Indexed in SCI)
- XII. **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 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **Effect of cement on emulsified asphalt mixtures**  
Oruc S., Celik F., Akpınar M. V.  
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.16, no.5, pp.578-583, 2007 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **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 (Journal Indexed in ESCI)
- II. **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 (Refereed Journals of Other Institutions)
- III. **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 (Other Refereed National Journals)
- IV. **Hızlandırılmış Yol Testleri**  
AKPINAR M. V.  
Türkiye Mühendislik Haberleri, TMMOB, İnşaat Mühendisleri Odası, vol.2, no.1, pp.9-19, 2017 (Other Refereed National Journals)

- V. **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 (Other Refereed National Journals)
- VI. **Heavy lead (Pb) mobility in compacted clay soils under landfill liners**  
Akbulut S., AKPINAR M. V. , CEVIK U.  
International Journal of Application or Innovation in Engineering & Management (IJAEM), vol.6, no.5, pp.12-22, 2017 (Journal Indexed in ESCI)
- VII. **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 (International Refereed University Journal)
- VIII. **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 (Journal Indexed in ESCI)
- IX. **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 (Refereed Journals of Other Institutions)
- X. **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 (Refereed Journals of Other Institutions)
- XI. **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 (Other Refereed National Journals)
- XII. **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 (Other Refereed National Journals)
- XIII. **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 (Refereed Journals of Other Institutions)
- XIV. **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 (Refereed Journals of Other Institutions)
- XV. **Hızlandırılmış Yol Testi**  
AKPINAR M. V.  
Hazır Beton, THBB, no.97, pp.63-65, 2010 (Other Refereed National Journals)
- XVI. **İnce Agregada Türünün Kaplama Betonunun Aşınma Direncine Etkisi**  
KARPUZ O., AKPINAR M. V.  
Electronic Journal of Construction Technologie, vol.5, no.2, pp.1-8, 2009 (National Refreed University Journal)
- XVII. **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 (International Refereed University Journal)
- XVIII. **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 (National

Refreed University Journal)

- XIX. **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 (Other Refereed National Journals)
- XX. **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 (Other Refereed National Journals)
- XXI. **Analysis of Intercity Transportation Mode Choice From Banjarmasin City Disaaggregate Logit Model**  
Radam I. F. , AKPINAR M. V. , Örnak M.  
Çukurova Univ. Journal of Faculty of Engineering, vol.19, pp.112-132, 2004 (National Refreed University Journal)

## **Books & Book Chapters**

- I. **Comparison of asphalt and concrete pavement solar reflectance**  
AKPINAR M. V. , sevinç s.  
in: Green Energy and Technology, Sandro NizeticAgis 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 Nižetić Agis Papadopoulos, Editor, SPRINGER, pp.51-59, 2018
- III. **karayolu tasarımı**  
AKPINAR M. V.  
Birsen Yayınevi, İstanbul, 2017
- IV. **örneklerle karayolu tasarımı**  
AKPINAR M. V.  
Birsen Yayınevi, 2017
- V. **GUIDE TO CONCRETE OVERLAYS**  
AKPINAR M. V.  
Türkiye Çimento Müstahsiller Birliği, Ankara, 2016
- VI. **Roller compacted concrete pavement guide**  
AKPINAR M. V.  
Tçmb, Ankara, 2015
- VII. **Chapter 57 Intelligent Computing and Applications Volume 343 of the series Advances in Intelligent Systems and Computing**  
Burak e., AKPINAR M. V.  
in: Advances in Intelligent Systems and Computing, Durbadal M., Rajib K., Swagatam D., Bijaya K.P., Editor, Springer, London/Berlin , Almanya, pp.2012-2016, 2015
- VIII. **CHAPTER 57 Information Systems and Artificial Intelligence Technology Applied in Concrete Road Design**  
PANCAR E. B. , AKPINAR M. V.  
in: Intelligent Computing and Applications, Durbadal Mandal • Rajib Kar • Swagatam Das • Bijaya Ketan Panigrahi, Editor, springer, pp.559-568, 2015
- IX. **Evaluation of Geogrids Displacements on Subbase Reinforcement Using Special Designed Pullout**  
AKPINAR M. V. , Kütük T.  
in: Bearing Capacity of Roads, Railways and Airfields, Erol T., El İ.Q., Editor, Taylor , Illinois Urbana, Chicago, pp.100-120, 2009

## Refereed Congress / Symposium Publications in Proceedings

- I. **TÜNELLERDE LİFLİ BETONLARIN ENERJİ YUTMA GÖSTERGESİ TOKLUK İNDEKSİ TESTİNİN İRDELENMESİ**  
AKPINAR M. V.  
2. Ulusal Tünelcilik ve Yer Altı Yapıları Kongresi, Turkey, 4 - 05 December 2019
- II. **Doğu Karadeniz Bölgesindeki Beton Yollarının Düşey Deplasmanlarının Hızlandırılmış Yol Testinde İncelenmesi**  
SEFEROĞLU M. T. , AKPINAR M. V.  
1.beton yollar kongresi, Ankara, Turkey, 13 - 15 November 2019
- III. **Doğu Karadeniz Bölgesindeki Beton Yolların Düşey Deplasmanlarının Hızlandırılmış Yol Testinde İncelenmesi**  
ÇELİK M., SEFEROĞLU M. T. , AKPINAR M. V.  
1. Beton Yollar Kongresi ve Sergisi, Ankara, Turkey, 12 - 14 November 2019, vol.1, pp.229-240
- IV. **Hızlandırılmış Yol Testleriyle Uzun Dönemli Beton Yol Kaplama Performanslarının (LTPP) araştırılması: KTÜ Örneği**  
ÇELİK M., SEFEROĞLU M. T. , AKPINAR M. V.  
1. Beton Yollar Kongresi ve Sergisi, Ankara, Turkey, 12 - 14 November 2019, vol.2, pp.349-362
- V. **Improving the Strength And Drainage Characteristics of Recycled Asphalt Pavements**  
SEFEROĞLU A. G. , SEFEROĞLU M. T. , AKPINAR M. V.  
INTERNATIONAL CIVIL ENGINEERING AND ARCHITECTURE CONFERENCE 2019, Trabzon, Turkey, 17 - 20 April 2019
- VI. **IMPROVING THE STRENGTH AND DRAINAGE CHARACTERISTICS OF RECYCLED ASPHALT PAVEMENTS**  
SEFEROĞLU M. T. , seferoğlu a. g. , ÇELİK M., AKPINAR M. V.  
International Civil Engineering and Architecture Conference 2019, Trabzon, Turkey, 17 - 20 April 2019, pp.2704-2709
- VII. **KARADENİZ TECHNICAL UNIVERSITY ACCELERATED PAVEMENT TEST (KTU-APT) FACILITY STUDIES, PROBLEMS AND SOLUTION PROPOSALS**  
SEFEROĞLU M. T. , ÇELİK M., seferoğlu a. g. , AKPINAR M. V.  
International Civil Engineering and Architecture Conference 2019, Trabzon, Turkey, 17 - 20 April 2019, pp.2710-2718
- VIII. **Investigation of Concrete Roads in Eastern Black Sea Region in Accelerated Pavement Test**  
SEFEROĞLU M. T. , ÇELİK M., SEFEROĞLU A. G. , AKPINAR M. V.  
3. International Conference on Civil and Environmental Engineering, İzmir, Turkey, 24 - 27 April 2018
- IX. **Reduction of Waste and Ecological Damage on Roads with Reclaimed Asphalt Pavements**  
SEFEROĞLU A. G. , SEFEROĞLU M. T. , AKPINAR M. V.  
3. International Conference on Civil and Environmental Engineering, 24 - 27 April 2018
- X. **The Utilization of RAP as a Subbase/Base Course Material and The Effects on Material Cost**  
SEFEROĞLU A. G. , SEFEROĞLU M. T. , AKPINAR M. V. , ÇELİK M.  
3. International Conference on Civil and Environmental Engineering, İzmir, Turkey, 24 - 27 April 2018
- XI. **Properties Of Recycled Concrete Aggregate (RCA) Obtained From Concrete Pavement**  
KANDİL U., SEFEROĞLU M. T. , ÇELİK M., SEFEROĞLU A. G. , AKPINAR M. V. , ERDOĞDU Ş.  
3. International Conference on Civil and Environmental Engineering, İzmir, Turkey, 24 - 27 April 2018, pp.300
- XII. **Temperature Variations Within the Concrete Pavement Thickness After Heating for De-Icing**  
AKPINAR M. V. , SEFEROĞLU M. T.  
trb annual meeting, 1 - 02 January 2018
- XIII. **Urban Heat Island Effects of Concrete Road and Asphalt Pavement Roads**  
AKPINAR M. V. , Sevin S.  
9th International Exergy, Energy and Environment Symposium (IEEES), Split, Croatia, 14 - 17 May 2017, pp.51-59
- XIV. **Reducing Urban Heat Islands by Developing Cool Pavements**  
AKPINAR M. V. , Sevin S.



- 9th International Exergy, Energy and Environment Symposium (IEEES), Split, Croatia, 14 - 17 May 2017, pp.43-50
- XV. **Comparison of Asphalt and Concrete Pavement Solar Reflectance**  
AKPINAR M. V. , Sevin S.  
9th International Exergy, Energy and Environment Symposium (IEEES), Split, Croatia, 14 - 17 May 2017, pp.61-69
- XVI. **DEMİR YOLLARINDAKİ TRAVERSİLER ARASI OPTİMUM MESAFENİN ARAŞTIRILMASI**  
KARABULUT M., POLAT M., AKPINAR M. V.  
TRANSIST 2017, 2 - 04 November 2017
- XVII. **Demir Yollarındaki Traversler Arası Optimum Mesafenin Araştırılması**  
KARABULUT M., POLAT M., AKPINAR M. V.  
TRANSIST 2017 BİLDİRİ KİTABI, Turkey, 2 - 04 November 2017
- XVIII. **Financial Analysis of the Damage of the Flood Disaster to Transportation Structures: Trabzon Beşikdüzü Case of September 2016**  
ÇELİK M., SEFEROĞLU M. T. , seferoğlu a. g. , AKPINAR M. V.  
II. International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 September - 23 October 2017, pp.49-50
- XIX. **First Large Scale Accelerated Pavement Test Laboratory in Turkey**  
AKPINAR M. V. , SEFEROĞLU M. T. , ÇELİK M., seferoğlu a. g.  
II. International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.51-52
- XX. **Urban Heat Island Effects Of Concrete Road And Asphalt Pavement Roads (no figures no table)**  
AKPINAR M. V. , SEVİN S.  
9th International Exergy, Energy and Environment Symposium (IEEES-9), May 14-17, 2017, Split, Croatia, 14 - 17 May 2017
- XXI. **Investigating albedo's effect to develop cool pavement in urban areas**  
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- XXII. **Reducing Urban Heat Islands by Developing Cool Pavements**  
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9 th International Exergy, Energy and Environment Symposium (IEEES - 9), May 14 - 17, 2017, Split, Croatia, Split, Croatia, 14 - 17 May 2017, vol.1, no.1, pp.310-313
- XXIII. **The investigate of concrete pavements for energy saving in urban area**  
AKPINAR M. V. , SEVİN S.  
The 9th International Exergy, Energy and Environment Symposium (IEEES-9), Split, Croatia, 14 - 17 May 2017, vol.1, no.1, pp.15-25
- XXIV. **The investigation of concrete pavements for energy saving in urban area**  
AKPINAR M. V. , Sevin S.  
IEEES-9, 9 th International Exergy, Energy and Environment Symposium, University of Split, Split, Croatia, 14 - 17 May 2017, vol.1, pp.7-17
- XXV. **Urban heat island effects of concrete road and asphalt pavement roads**  
AKPINAR M. V. , Sevin s.  
", IEEES-9, 9 th International Exergy, Energy and Environment Symposium,, Split, Croatia, 14 - 17 May 2017, vol.1, no.1, pp.959-963
- XXVI. **Thermal Stress Analysis of Concrete Pavement under Different Albedo Values**  
AKPINAR M. V. , Sevin S., SEFEROĞLU M. T. , SEFEROĞLU A. G.  
International Conference on Advances and Innovations in Engineering (ICAIE), 10 - 12 May 2017, pp.365-370
- XXVII. **Comparison of the Cost, Construction and Benefit of the Innovative Steel Barriers and Embankment Walls in Trabzon**  
ÇELİK M., seferoğlu a. g. , SEFEROĞLU M. T. , AKPINAR M. V.  
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017, pp.359-364

- XXVIII. **B3. Sevin, S., Seferolu A.G., Seferođlu M.,T., Akpınar M.V., Thermal Stress Analysis of Concrete Pavement under Different Albedo Values, Fırat University, Faculty of Engineering in Elazıđ, Turkey, May 10-12, 2017.**  
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international Conference on Advances and Innovations in Engineering (ICAIE), Elazıđ, Turkey, 10 - 12 May 2017, vol.1, no.1, pp.1
- XXIX. **Daily Temperature Change in Concrete Pavements, Albedo effect and Stress Analysis by 3D Finite Element Method**  
AKPINAR M. V. , SEFEROĐLU M. T. , seferođlu a. g. , SEVİN S., ÇELİK M.  
International Conference on Advances and Innovations in Engineering (ICAIE), Elazıđ, Turkey, 9 - 12 May 2017, pp.352-358
- XXX. **Fieldand loading unit anaýsis of vertical pressure ditribution on highway sublayers**  
kütük t, gürübüz a., AKPINAR M. V.  
AASRC Multilingutual international conference, Ankara, Turkey, 18 - 19 November 2016, pp.40-47
- XXXI. **usibility of waste recyled aggregate in rigid pavement roads usingKTUÜ-Accelerated pavement test**  
AKPINAR M. V.  
international blacksea mining and tunnneing symposium, Trabzon, Turkey, 2 - 04 November 2016, pp.185-191
- XXXII. **usibility of waste recyled aggregate in rigidpavement roads using KTÜ Acclerated pavement test**  
AKPINAR M. V.  
internatonal blacksea mininng and tunneling symposium, Trabzon, Turkey, 2 - 04 October 2016
- XXXIII. **A Numerical Study on Rock Barriers in Uzungöl Region**  
SEFEROĐLU M. T. , COŞĐUN S. İ. , ÇELİK M., seferođlu a. g. , AKPINAR M. V.  
2nd International Conference on Engineering and Natural Science, Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, pp.1486-1490
- XXXIV. **Rehabilitation Methods, Challenges, Cost Benefit Analysis of Disaster Area Exposed due to Rockfalls in Trabzon Province**  
ÇELİK M., SEFEROĐLU M. T. , seferođlu a. g. , AKPINAR M. V.  
Uluslararası Dođal Afetler ve Afet Yönetimi Sempozyumu, Karabük, Turkey, 2 - 04 March 2016, pp.385-390
- XXXV. **In Order to Establish A Sustainable Transportation In The East Black Sea Region Investigating the Problems Caused by Floods**  
ÇELİK M., SEFEROĐLU M. T. , seferođlu a. g. , AKPINAR M. V.  
Uluslararası Dođal Afetler ve Afet Yönetimi Sempozyumu, Karabük, Turkey, 2 - 04 March 2016, pp.492-497
- XXXVI. **Investigating the Usability of Road Wearing Course as a Recycled Material in Highway Superstructure ANKARA TÜRKİYE 28 30 Mayıs 2015 pp 281 287**  
SEFEROĐLU M. T. , SEFEROĐLU A. G. , AKPINAR M. V.  
2nd International Sustainable Building Symposium, Ankara, Turkey, 28 - 30 May 2015, pp.281-287
- XXXVII. **BETON YOLLARDA GÜNLÜK MEYDANA GELEN SICAKLIK DEĐİŐİMİNİN OLUŐTURDUĐU GERİLMELERİN 3-D SONLU ELEMANLAR YARDIMIYLA MEKANİŐTİK AMPİRİK ANALİZİ**  
SEFEROĐLU M. T. , seferođlu a. g. , AKPINAR M. V.  
XIX. ULUSAL MEKANİK KONGRESİ, Trabzon, Turkey, 24 - 28 August 2015, pp.846-853
- XXXVIII. **Beton Yollarda Günlük Meydana Gelen Sıcaklık Deđişiminin OluŐturduđu Gerilmelerin 3D Sonlu Elemanlar Yardımıyla Mekanistik Ampirik Analizi**  
Seferoglu A., Seferoglu M. T. , AKPINAR M. V.  
19. Ulusal Mekanik Kongresi, Trabzon, Turkey, 2 - 04 July 2015, pp.3-13
- XXXIX. **Determination of Temperature Variation for Different Concrete Classes of Airport Rigid Pavements Using Laboratory Studies İSTANBUL TÜRKİYE 4 5 Haziran 2015 pp 260 268**  
SEFEROĐLU M. T. , AKPINAR M. V. , SEFEROĐLU A. G.  
EUROPEAN READY MIXED CONCRETE ORGANIZATION, İstanbul, Turkey, 4 - 05 June 2015, vol.1, pp.260-268
- XL. **Temel Tabakası Rijitliđine Bađlı Olarak Kaplama Kalınlıđının Mekanistik Analizle Tayini**  
OZCANAN S., AKPINAR M. V.  
6.Ulusal Asfalt Sempozyumu ve Sergisi, Ankara, Turkey, 27 - 28 November 2013, pp.23-33

- XLI. Beton Yolların Mekanistik Tasarımlarının Ve Performanslarının Sonlu Elemanlar Yöntemi Ve Hızlandırılmış Yol Testleriyle Belirlenmesi**  
AKPINAR M. V. , BAL Ü. Y. , OZCANAN S.  
Beton kongre, İstanbul, Turkey, 21 March 2013, pp.12-22
- XLII. The shape analysis of geogrids with different aperture structures used for road subgrade reinforcement**  
KÜTÜK T., AKPINAR M. V.  
28th International Baltic Road Conference, Vilnius, ..., 2013, 08 January 2013
- XLIII. accelerated pavement**  
AKPINAR M. V.  
Perpetual office of international conferences on seismic retrofitting, Tebriz, Iran, 2 - 04 May 2012, pp.1-5
- XLIV. Beton yollarda enine ve boyuna yivlerin idel boyutlarını belirlenmesi**  
Karaca Z., Pancar E., AKPINAR M. V.  
Hazır Beton kongresi, İstanbul, Turkey, 20 - 23 November 2011, pp.212-226
- XLV. Karayolu tabakalarında plaka yükleme deneylerinin uygulanabilirliğinin araştırılması**  
seferoğlu g., AKPINAR M. V.  
Intrnational participated construction congress, Elazığ, Turkey, 28 - 30 October 2011, pp.120-130
- XLVI. Beton yol yüzeylerinin buzlanmaya karşı elektrik verilerek ısıtılması**  
Pancar E., Karaca Z., AKPINAR M. V.  
Hazır beton kongresi, İstanbul, Turkey, 21 - 22 October 2011, pp.1-10
- XLVII. "Theoretical Investigation of Cross Tensioned Concrete Pavement"**  
AKPINAR M. V. , Hancock j., Hossain M.  
7th International Conference on Concrete Pavements, Orlando, Florida, Usa., United States Of America, 01 September 2011 - 03 September 2001, pp.11-21
- XLVIII. An Investigation on Pullout Test Device Dimensions**  
Sert T., AKPINAR M. V.  
9th International Congress on Advances in Civil Engineering,, Trabzon, Turkey, 27 - 30 September 2010, pp.15-25
- XLIX. Accelerated Pavement Testing Pit Dimension Effects on Pavement Stress Analysis", - , .**  
AKPINAR M. V. , KARPUZ O., OZCANAN S., ZANDI Y., Akpınar Y.  
09/2010, 9th International Congress on Advances in Civil Engineering,, Trabzon, Turkey, 27 - 30 September 2010, vol.2, no.2, pp.12-22
- L. Evaluation of Boron Waste in Hot Mix Asphalt Design**  
Sert T., AKPINAR M. V. , Çelik F., Mehdizade M.  
2nd International Conference on Concrete Technology, Tebriz, Iran, 6 - 07 November 2009, pp.33-40
- LI. Evaluation of Geogrids Displacements on Subbase Reinforcement Using Special Designed Pullout Test**  
AKPINAR M. V. , Sert T.  
8th International conference on the Bearing Capacity of Roads, Railways and Airfields, İllinois Urbana Champaign, United States Of America, 1 - 03 January 2009, pp.1113-1123
- LII. Determining Geogrid Performance in Railway Ballast by Using a New Pullout Device**  
Sert T., AKPINAR M. V.  
2nd International Railway Symposium, İstanbul, Turkey, 15 - 17 October 2008, pp.543-555
- LIII. The effect of Transverse Tining on Friction and Compression Strength at Concrete Roads**  
pancar e. b. , AKPINAR M. V.  
International Ready Mixed Concrete Congress Proceedings, İstanbul, Turkey, 19 June 2008, pp.240-249
- LIV. Demiryolu Balast Dolguların Güçlendirilmesinde Geogrid Açıklığının Ve Agrega Çapının Değerlendirilmesi**  
AKPINAR M. V. , s T.  
International Railway Symposium ,IRS, İstanbul, Turkey, 13 - 16 December 2006, pp.1034-1040
- LV. Yol Dolgu Malzemelerinde Zemin Sınıflandırması**  
Sert T., AKPINAR M. V.

Zemin Mekaniği ve Temel Mühendisliği Onbirinci Ulusal Kongresi, Trabzon, Turkey, 1 - 02 March 2006, pp.113-116

**LVI. Development of a Numerical Procedure to Evaluate the Influence of Aggregate Gradation on the Rutting of HMA**

AKPINAR M. V.

The International Conference on Civil Engineering, Browijaya, Indonesia, 1 - 03 September 2003, pp.11-21

## Other Publications

- I. **Ulaşım I**  
AKPINAR M. V.  
Lecture Note, pp.80, 2016
- II. **Ulaşım I**  
AKPINAR M. V.  
Lecture Note, pp.180, 2015
- III. **Cross Tensioned Concrete Pavement, Report No. KS-02-5, Final Report**  
AKPINAR M. V. , Hancock J., Hossain .  
Technical Report, pp.1-20, 2004
- IV. **Longitudinal Joint Construction for Hot Mix Asphalt Pavements. Report No. K-TRAN: KSU-98-4, Final Report**  
AKPINAR M. V. , Hossain .  
Technical Report, pp.52, 2004

## Expert Reports

- I. **Developing Charts for Stability Analysis of Cohesive Frictional Slopes by Using Horizontal Slices Method**  
AKPINAR M. V.  
2015
- II. **Longitudinal Joint Construction for Hot Mix Asphalt PavementsK TRAN KSU 98 4**  
AKPINAR M. V. , hossain m.  
Kansas, 1998

## Supported Projects

- AKPINAR M. V. , EU Supported Other Project, Tekke Köy Lojistik üssü Samsun, 2015 - 2018
- AKPINAR M. V. , Project Supported by Other Private Institutions, Hızlandırılmış Yol Test Otomasyon, 2017 - 2017
- AKPINAR M. V. , Project Supported by Other Official Institutions, Nükleer yoğunluk test cihazlarına karşın alternatif LWD deneyin geliştirilmesi, 2014 - 2017
- ALVER Ü., DUMAN M. S. , ÇUVALCI H., ÇANAKÇI A., ASLAN M., AKPINAR M. V. , OKUMUŞ H. İ. , YILDIRIM İ., DENİZ İ., BELDÜZ A. O. , et al., Project Supported by Higher Education Institutions, ZIRHLI YELEKLER İÇİN FONKSİYONEL DERECELENDİRİLMİŞ HİBRİT NANOKOMPOZİT MALZEMELERİN ÜRETİMİ VE ÖZELLİKLERİNİN İNCELENMESİ, 2015 - 2016
- AKPINAR M. V. , Project Supported by Other Official Institutions, Kazılmış Asfalt Kaplamaların Alttemel ve Temel Malzemesi Olarak Kullanım Şartlarının Araştırılması, 2012 - 2016
- AKPINAR M. V. , Project Supported by Other Official Institutions, Betona Yol Uygulamaları, 2014 - 2015
- AKPINAR M. V. , Project Supported by Other Official Institutions, Yüksek m modifiyeli Asfalt-Hima ile dayanıklı ve ekonomik yollar, 2013 - 2013
- AKPINAR M. V. , TUBITAK Project, Yol Kaplama Malzemelerinde düşük sıcaklık çatlak dayanımlarının belirlenmesi, 2007 -

2010

AKPINAR M. V. , Project Supported by Other Official Institutions, Geocellerin yol dolgu güçlendirilmelerinde kullanımları, 2008 - 2009

AKPINAR M. V. , EKİNCİ M., TUBITAK Project, Karayolu Alttemel dolguların güçlendirilmesinde optimum geogrid göz açıklığının ve agrega çapının araştırılması, 2007 - 2009

AKPINAR M. V. , TUBITAK Project, Hızlandırılmış Yol Testi, 2005 - 2006

AKPINAR M. V. , Other Supported Projects, Houston Tollway road, 2000 - 1999

## 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

karadeniz teknik üniversitesi, Member, 2016 - Continues

inşaat mühendisler odası, Ankara, Board Member, 2016 - Continues

Karayolu Trafik Güvenliği, Member, 2016 - Continues

inşaat mühendisler odası, Trabzon, Board Member, 2016 - Continues

Türkiye Çimento Müstahsiller Birliği, Member, 2013 - Continues

Yollar Türk Mli Komitesi, Member, 2009 - Continues

professional engineer, Member, 2001 - Continues

Ohio professional enigneering, Member, 2000 - Continues

Geosentetikler derneği, Member, 2011 - 2013

Ulaştırma bakanlığı ulaştırma şurası, Member, 2009 - 2010

Ulaştırma Bakanlığı, Member, 2009 - 2009

## Scientific Refereeing

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

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

G7 yedinci ulusal geosentetikler konfreansı, Other Journals, 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

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

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

accident analysis and prevention , 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

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

AFRİCAN JOURNAL OF ENGINEERİNG RESEARCH, SCI Journal, April 2016

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

Yrd. 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  
TUBITAK Project, November 2010  
5.ulusal asfalt sempozyumu, Other Journals, November 2009

## Scientific Consultations

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, Karadeniz Teknik Üniversitesi, Turkey, 2009 - 2009

## Edit 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  
Comparison of the Cost, Construction and Benefit of the Innovative Steel Barriers and Embankment Walls in Trabzon, Attendee, Bayburt, Turkey, 2017  
Thermal Stress Analysis of Concrete Pavement under Different Albedo Values., Attendee, Bayburt, Turkey, 2017  
Daily Temperature Change in Concrete Pavements, Albedo effect and Stress Analysis by 3D Finite Element Method., 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, Attendee, Samsun, Turkey, 2017  
Samsun beton yol sempozyumu, Invited Speaker, Samsun, Turkey, 2017  
International Black Sea Mining and Tunnelling Symposium 2016, Attendee, Trabzon, Turkey, 2016  
AASRC MULTİLİNGUAL 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 International 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

## Citations

Total Citations (WOS):165  
h-index (WOS):4

## Scholarships

NATO B2 BURSUSU, 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  
AKPINAR M. V. , Onur öğrencisi, 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 Birliği Hibe Programı, Samsun Tekkeköy Lojistik Üssü

Business Establishment Private, Türkiye Çimento Müstahsiller Birliđi, Beton  
Business Organization (private), Ground Technolgy, Houston Tx, Beton Yol Ve Geotechnic