

**Curriculum Vitae**  
Mustafa KARAŞAHİN, Prof.Dr.

**1.Education**

- a. BSc:** Akdeniz University, Civil Engineering, 1985
- b. MSc:** İstanbul Technical University, Civil Engineering, 1988
- c. PhD:** Nottingham University (UK), Civil Engineering, 1993

**2. Academic Experience**

- a.** Research assistant: Akdeniz University, Civil Engineering, 1986-1992
- b.** Research assistant: Süleyman Demirel University, Civil Engineering, 1992-1993
- c.** Assistant Prof.Dr.: Süleyman Demirel University, Civil Engineering, 1993-1995
- d.** Assoc.Prof.Dr.: Süleyman Demirel University, Civil Engineering, 1995- 2001
- e.** Prof.Dr.: Süleyman Demirel University, Civil Engineering, 2001-2010
- f.** Prof.Dr.: İstanbul University, Civil Engineering Department, 2010-2017
- g.** Prof.Dr.: İstanbul Gelişim University, Civil Engineering Department, 2017-

**3. Non-Academic Experience**

- a.** Consultant to Transportation Ministry, 2005-2012
- b.** Consultant to Turkish State Railways, 2009-2013
- c.** Head of Transportation, Communication and Logistics Sector, Ministry of Labour and Social Security, Vocational Qualifications Authority, 2009- 2018
- d.** Member of Transportation, Communication and Logistics Sector, Ministry of Labour and Social Security, Vocational Qualifications Authority, 2018-
- e.** Member of Accident Investigation and Research Board, Ministry of Transportation, Maritime and Communication, 2013-2018
- f.** Chair of Railway Regulation Section, 9th Transportation Forum, Ministry of Transport, İstanbul, 2009
- g.** Chair of Highway R&D Section, 10th Transportation Forum, Ministry of Transport, İstanbul, 2009
- h.** Chair of Highway R&D Section, 10th Transportation Forum, Ministry of Transport, İstanbul, 2013.
- i.** Moderator of Railway Session, 11th Transportation Forum, Ministry of Transport, İstanbul, 2013.
- İj.** Consultant to Trakya Railway Line Track Renewal Project, 2012- 2014
- k.** Consultant to Dinar- Bozkurt Railway Line Track Renewal Project, 2014
- İ.** Consultant to Torbalı- Selçuk Railway Rehabilitation Project, 2015
- m.** Consultant to Marmaray Railway Project, 2017

**4. Current Membership in Professional organizations**

- a.** Member of Civil Engineering Chamber, 1985-
- b.** Member of National Roads Committee, 1994-

**5. Honors and awards**

- a.** Honorary Doctor, Todor Kableskov University of Transport , 2007
- b.** Best paper reward, National Roads Committee (Yollar Türk Milli Komitesi), 2000
- c.** Best paper reward, National Roads Committee (Yollar Türk Milli Komitesi), 2016

## **6. Service activities**

- a.** Head of Transportation Division-S.Demirel University, 1993-2010
- b.** Vice Head of Civil Engineering Department-S.Demirel University, 1993-1995
- c.** Vice Dean of Engineering&Architectiral Faculty-S.Demirel University, 1995-1997
- d.** Head of Architectiral Department -S.Demirel University, 1996-1998
- e.** Member of Faculy Committee -S.Demirel University (Representative of Assoc.Prof), 1995-1998
- f.** Member of Faculty Executive Committee -S.Demirel University, 1995-1998
- g.** Member of Faculty Committee (-S.Demirel University Representative of Prof.), 2002-2010
- h.** Head of Civil Engineering Department -S.Demirel University, 2007-2010
- i.** Head of Transportation Division – İstanbul University, 2012- 2017
- j.** Head of Civil Engineering Department, İstanbul University, 2013-2016
- k.** Head of Civil Engineering Deaprtment, İstanbul Gelişim University, 2018-2021
- l.** Member of Faculty Committee- İstanbul Gelişim University, Engineering and Architectural Faculty, 2018-2021
- m.** Member of Faculty Executive Committee- İstanbul Gelişim University, Engineering and Architectural Faculty, 2018-2021
- n.** Member of Senate- İstanbul Gelişim University, 2020-

## **7. Recent Journal Publications**

- a.** Yıldırım Mehmet Sinan, Karaşahin Mustafa, Gökkuş Ümit (2021). Scheduling of the Shuttle Freight Train Services for Dry Ports Using Multimethod Simulation-Optimization Approach. International Journal of Civil Engineering, 19(1), 67-83
- b.** Taciroğlu Murat Vergi, Karaşahin, Mustafa, Tığdemir Mesut, Işiker Hakan (2020). Fractal Analysis of High Speed Rail Geometry Data: A case Study of Ankara-Eskisehir High Speed Rail. Measurement, 165(108120), 1-15
- c.** Karaşahin Mustafa (2019). An Anisotropic Model of Unbound Granular Material under Repeated Loading. Thermal Science, 23(1), 295-302
- d.** Karaşahin Mustafa, Keskin Erdiñç, Şahinoğlu İlker (2019). Effect of Lime on Unconfined Compressive Strength of a Low Plasticity Clayey Soil. Eurasian Journal of Civil Engineering and Architecture, 3(2), 32-40.
- e.** Kırbaş Ufuk, Karaşahin Mustafa (2019). Determination of Pavement Performance Thresholds for Comfortable Riding on Urban Roads. Journal of Testing and Evaluation, 47(1), 57-77
- f.** Karaşahin Mustafa, Gürer Cahit, Saltan Mehmet, Murat Vergi Taciroğlu, Volkan Emre Uz (2016) "Investigation of Chip Seal Performance under Cold Climate Conditions". Science and Engieering of Composite Materials, Volume 23(6), pp 649-658.
- g** Kırbaş Ufuk, Karaşahin Mustafa (2016), "Performance Models for Hot Mix Asphalt Pavements in Urban Roads". Construction and Building Materials, Volume: 116, pp 281-288.
- h.** Karaşahin Mustafa, Saltan Mehmet, Çetin Sedat (2014), "Determination of Seal Coat Deterioration Using Image Processing". Construction and Building Materials, Volume: 53, pp273-283.
- i.** Karaşahin Mustafa, Terzi Serdal (2014), "Performance model for Asphalt Concrete Pavement Based on the Fuzzy Logic Approach". Transport, Volume:29(1), pp 18-27

j. Karaşahin Mustafa, Terzi Serdal (2007), "Evaluation Of Marble Waste Dust In The Mixture Of Asphaltic Concrete". Construction & Building Materials, Volume: 21, pp.616 – 620.

## **8. Project activities**

**a.** Researcher: Effects of Cooperative Vehicle Dynamics on Traffic Flow Modelling: Simulation and Control, TÜBİTAK Project no: 120M476, 2021- continuing

**b.** Researcher: Investigation of methods for using geogrids on highways and preparing specification, Suported by Highway General Directorate (Turkey), 2014- continuing

**c.** Researcher: Developing of Warm Asphalt Mix Additives, Supported by TÜBİTAK, Proje no: 110G135, 2015 (Completed)

**d.** Researcher: Experimental investigation of ffect of different geogrids on structural performace of highway pavement, Supported by TÜBİTAK Project No: 213M533, 2017 (Completed)

**d.**Project Manager: Investigation of Pavement Distress on driving comfort at Urban Highway By pass, Supported by Highway General Directorate (Turkey), 2016 (Completed)

**e.** Researcher: Design of light weight freight wagon and prototype manufactore, Sıpported by TÜBİTAK, Project no: 110G055, 2015 (Completed)