

Asst. Prof. YASİN SARIKAVAK

Personal Information

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Turkey 2009 - 2017

Postgraduate, University of York, Çevre Bilimi ve Yönetim, England 2014 - 2016

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Turkey 2006 - 2009

Undergraduate, Gazi University, Mühendislik-Mimarlık Fakültesi, Turkey 2001 - 2006

Certificates, Courses and Trainings

Vocational Training, Tahribatsız Muayene (NDT), Ultrasonik Muayene, Amerikan Tahribatsız Muayene Cemiyeti Standartlarına göre Sertifikasyon (ASNT), NDT Consulting Co. Ltd. Japonya, 2013

Vocational Training, Uzun Ömürlü Yapılarda Tahribatsız Muayene Odaklı Bakım Yönetimi, Japon Hükümeti Uluslararası İşbirliği Programı, Japon Uluslararası İşbirliği Ajansı (JICA), Japonya, 2013

Vocational Training, Tahribatsız Muayene (NDT), Manyetik Parçacıkla Muayene, Avrupa Standartlarına göre sertifikasyon (ISO 9712, EN 473), SECTOR Cert, Gesellschaft für Zertifizierung mbH, Köln, Almanya, 2012

Vocational Training, CAF Yüksek Hızlı Tren Dinamik Muayene Sistemi, Mermec Group, Railway Industry and Trading Ltd. Co., 2010

Vocational Training, Avrupa Tren Kontrol Sistemi (ETCS), Araç Üstü Sistem Eğitimi, Thales Transport Signaling and Security Solutions & Alcatel – Lucent, 2010

Vocational Training, Tahribatsız Muayene (NDT), Sıvı Penetrant ile Muayene, Türk Standartları Enstitüsü (TSE), 2009

Vocational Training, Tahribatsız Muayene (NDT), Görsel Muayene, Türk Standartları Enstitüsü (TSE), 2009

Vocational Training, Tahribatsız Muayene (NDT), Girdap Akımları ile Muayene, Türk Standartları Enstitüsü (TSE), 2009

Vocational Training, Leonardo Da Vinci Programı, Avrupa İş Akademisi gGmbH, Berlin, Almanya, 2008

Research Areas

Mechanical Engineering, Construction and Manufacturing, Predictive and Preventive Maintenance, NDT Engineering, Welding Methods, Material, Testing and Control of Materials, Mechanical Properties, Thermal Treatment, Material Characterization, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Ankara Yıldırım Beyazıt Üniversitesi, Mühendislik ve Doğa Bilimleri Fakültesi, Makine Mühendisliği Bölümü, 2017 - Continues

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

1. An advanced modelling to improve the prediction of thermal distribution in friction stir welding

(FSW) for difficult to weld materials

SARIKAVAK Y.

Journal of the Brazilian Society of Mechanical Sciences and Engineering, vol.43, no.1, 2021 (Journal Indexed in SCI Expanded)

II. Influence of welding on microstructure and strength of rail steel

Sarıkavak Y., Turkbaz O. S. , Cogun C.

Construction And Building Materials, vol.243, pp.1-8, 2020 (Journal Indexed in SCI Expanded)

III. The Impacts of Pollution for New High-Speed Railways: the Case of Noise in Turkey

Sarıkavak Y., Boxall A.

ACOUSTICS AUSTRALIA, vol.47, no.2, pp.141-151, 2019 (Journal Indexed in SCI)

IV. Single discharge thermo-electrical modeling of micromachining mechanism in electric discharge machining

Sarıkavak Y., Cogun C.

Journal Of Mechanical Science And Technology, vol.26, pp.1591-1597, 2012 (Journal Indexed in SCI Expanded)

V. ELEKTRO EROZYON İLE İŞLEMEDE İŞLEME MEKANİZMASININ ISIL MODELLENMESİ

Sarıkavak Y., Cogun C.

Journal Of The Faculty Of Engineering And Architecture Of Gazi University, vol.25, no.3, pp.517-531, 2010 (Journal Indexed in SCI Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. Fatigue Failure Assessment of Draw Hook - Manufactured By Forging - Used In Freight Transport in Railways

Sarıkavak Y.

4th International Symposium on Railway Systems Engineering (ISERSE'18), Karabük, Turkey, 10 - 12 October 2018, pp.1-10

II. Akıllı Ulaşım Sistemlerinde Raylı Sistemlerin Önemi ve Dünyada Gelişimi

SARIKAVAK Y.

Intelligent Transport Systems Workshop, Turkey, 11 February 2017

III. Failure Analysis of Traction Hook Used in Rail Coaches After the Maintenance

Keskin A., Sarıkavak Y., Tugyanoglu M.

3rd International Symposium on Railway Systems Engineering Proceeding Book (ISERSE'16), Karabük, Turkey, 13 - 15 October 2016, pp.1-6

IV. An Experimental Investigation on Metallurgical and Mechanical Aspects of Flash Butt Welded Rails of High Speed Train Lines

SARIKAVAK Y., ÇOĞUN C., TÜRKBAŞ O. S.

III. International Conference on Innovative Materials and Structures Technologies in Metallurgical Engineering, 27 - 29 November 2015

V. Dynamic Behavior of High Speed Train Unit on Continuous Welded Rail Lines

SARIKAVAK Y.

Reliability Symposium 28th, Society of Materials Science, Japan, 18 - 20 December 2014

VI. Non-Destructive Inspection Techniques in Railway Industry: A Comparison of European and Japanese Approach

SARIKAVAK Y.

2nd International Workshop on Railway Systems Engineering, 9 - 11 October 2013

VII. Detecting the propagation of the kidney shaped fatigue failure analysis of rail on the train line

keskin a., SARIKAVAK Y., tugyanoglu m., dilektasli c.

1th International Workshop on Railway Systems Engineering, 11 - 13 October 2012

Awards

Sarıkavak Y., En İyi Sözlü Sunum Ödülü, The 2019 International Conference On Metals And Alloys, Pekin, Çin, August 2019

Sarıkavak Y., Eylem Planı Ödülü, Japon Uluslararası İşbirliği Ajansı (Jica) , January 2017

Sarıkavak Y., Chevening Burs Ödülü , Birleşik Krallık Hükümeti Dışişleri Bakanlığı, January 2014

Sarıkavak Y., Uluslararası Yayınları Teşvik Ödülü, Türkiye Bilimsel Ve Teknolojik Araştırma Kurumu (Tübitak), July 2010

Sarıkavak Y., Teşekkür Belgesi (Türkiye'de yüksek hızlı tren işletmeciliğine başlanılmasındaki katkılarından ötürü verilmiştir), Türkiye Cumhuriyeti Devlet Demiryolları İşletmesi Genel Müdürlüğü (Tcdd), January 2010

Non Academic Experience

Public Corporation, Diğer (Kurumlar,hastaneler Vb.), Demiryolu Araştırma ve Teknoloji Merkezi (DATEM)

Professional Association, Komite Üyesi, Orta Doğu Bölgesi Temsilcisi

Public Corporation, Diğer (Kurumlar,hastaneler Vb.), Yüksek Hızlı Tren Araç Bakım Müdürlüğü

Public Corporation, Diğer (Kurumlar,hastaneler Vb.), Ankara Demiryolu Fabrikası