

Prof. Ertuğrul DURAK

Personal Information

Fax Phone: [+90 246 237 0859](tel:+902462370859)

Email: ertugruldurak@sdu.edu.tr

Web: <https://avesis.sdu.edu.tr/ertugruldurak>

Address: SDÜ Mühendislik Fakültesi Makina Mühendisliği Bölümü Isparta

Education Information

Doctorate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), Turkey Continues
Postgraduate, Akdeniz University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), Turkey Continues
Undergraduate, Akdeniz University, Isparta Mühendislik Fakültesi, Makina, Turkey Continues

Research Areas

Mechanical Engineering, Construction and Manufacturing, Tribology, Machine Elements, Machine Design, Predictive and Preventive Maintenance, Transport Technique, Engineering and Technology

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

- I. **Utilization of waste vegetable oil methyl esters as lubricant oil**
Oncu G., DURAK E.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF ENGINEERING TRIBOLOGY, 2021 (Journal Indexed in SCI)
- II. **Study of the tribological properties the mixture of soybean oil and used (waste) frying oil fatty acid methyl ester under boundary lubrication conditions**
Ameen N. H. A. , DURAK E.
RENEWABLE ENERGY, vol.145, pp.1730-1747, 2020 (Journal Indexed in SCI)
- III. **Study of the tribological properties of rolling element bearings under the effect of magnetic field**
KADIOĞLU M., DURAK E.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.71, no.10, pp.1200-1205, 2019 (Journal Indexed in SCI)
- IV. **Investigation of fretting wear in journal bearings**
SEVIK Y., DURAK E.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.68, no.4, pp.466-475, 2016 (Journal Indexed in SCI)
- V. **ADDITIVE EFFECTS ON WEAR AND FRICTION PERFORMANCE OF MICRO-ARC OXIDATIVE COATED JOURNAL BEARINGS**
Simsek M., Nteziyaremye O., DURAK E.
JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION, vol.22, no.1, pp.410-418, 2016 (Journal Indexed in SCI)
- VI. **Experimental study of the tribological properties of an elevator's brake linings**
DURAK E., YURTSEVEN H. A.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.68, no.6, pp.683-688, 2016 (Journal Indexed in SCI)
- VII. **Flexure behavior of composite cantilevers subjected to different environmental conditions**
ESEDEMİR Ü., DURAK E., TUNAY R. F. , USAL M. R.
MATERIALS TESTING, vol.57, no.3, pp.227-233, 2015 (Journal Indexed in SCI)

- VIII. **The investigation of relationship between lubricating oil and refrigerant in refrigerator compressors**
Karaosmanoğlu F., Yuzer S., Kerpicci H., DURAK E.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.65, no.6, pp.456-465, 2013 (Journal Indexed in SCI)
- IX. **Tribological and fatigue failure properties of porous P/M bearing**
DURAK E., Duran F.
INTERNATIONAL JOURNAL OF FATIGUE, vol.30, no.4, pp.745-755, 2008 (Journal Indexed in SCI)
- X. **Analysis of effects of oil additive into friction coefficient variations on journal bearing using artificial neural network**
DURAK E., Salman O., Kurbanoglu C.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.60, no.6, pp.309-316, 2008 (Journal Indexed in SCI)
- XI. **Experimental study of the effect of additive on the tribological properties journal bearing under running-in and start-up or shut-down stages**
DURAK E., Adatepe H., Biyiklioglu A.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.60, pp.138-146, 2008 (Journal Indexed in SCI)
- XII. **Experimental study of effects of oil additives into coefficient of friction in journal bearings at different temperatures**
DURAK E., KURBANOĞLU C., Fatih Tunay R.
Industrial Lubrication and Tribology, vol.58, no.6, pp.288-294, 2006 (Journal Indexed in SCI)
- XIII. **Friction and wear properties of Cu and Fe-based P/M bearing materials**
TÜFEKCI K., KURBANOĞLU C., DURAK E., TUNAY R. F.
Journal of Mechanical Science and Technology, vol.20, no.4, pp.513-521, 2006 (Journal Indexed in SCI)
- XIV. **A study on friction behavior of rapeseed oil as an environmentally friendly additive in lubricating oil**
Durak E.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.56, no.1, pp.23-37, 2004 (Journal Indexed in SCI)
- XV. **Experimental investigation of porous bearings under different lubricant and lubricating conditions**
Durak E.
KSME INTERNATIONAL JOURNAL, vol.17, no.9, pp.1276-1286, 2003 (Journal Indexed in SCI)
- XVI. **Measurement of friction force and effects of oil fortifier in engine journal bearings under dynamic loading conditions**
Durak E., Kurbanoglu C., Biyiklioglu A., Kaleli H.
TRIBOLOGY INTERNATIONAL, vol.36, no.8, pp.599-607, 2003 (Journal Indexed in SCI)
- XVII. **Effects of boron oil fortifier on friction and pressure distribution in engine journal bearings**
Kaleli H., Durak E.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.55, pp.121-127, 2003 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Manyetik alana maruz toz metalurjisiyle (T/M) üretilmiş bronz yatakların sürtünme özelliklerinin incelenmesi**
DABAN Z., DURAK E.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.23, no.1, pp.137-149, 2020 (Journal Indexed in ESCI)
- II. **BEŞ EKSENLİ KÖPRÜ TİPİ CNC MERMER İŞLEME MAKİNESİ TASARIMI VE İMALATI**
GÜLAÇTI S., DURAK E.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.7, no.2, pp.282-293, 2019 (Other Refereed National Journals)
- III. **Study Of Tribological Features Of AA6082 Material Coated With Micro Arc Oxidation (MAO) Method At Different Lubricating Conditions**
BAŞOĞUL Y., DURAK E., MALAYOĞLU U.
American Journal of Engineering Research (AJER), vol.7, no.8, pp.177-199, 2018 (Refereed Journals of Other Institutions)
- IV. **MİKRO ARK OKSİDASYON TEKNİĞİNİN ALÜMİNYUM ESASLI MALZEMELERE UYGULANMASI**

BAŞOĞUL Y., ŞİMŞEK M., DURAK E., MALAYOĞLU U.

C B Ü Soma Meslek Yüksekokulu Teknik Bilimler Dergisi, vol.19, no.4, pp.7-20, 2014 (Other Refereed National Journals)

V. Measurement of Friction Force and Wear of Based Journal Bearings Manufactured With Powder Metallurgy (P/M)

DURAK E., KURBANOĞLU C., KALELİ H., TUNAY R. F.

JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION, vol.4, no.10, pp.509-517, 2004 (Refereed Journals of Other Institutions)

VI. Effects Of Sunflower Oil Addition To Base Oil On The Friction Coefficient Of Statically Loaded Journal Bearings

DURAK E., ÇETİNKAYA M., BEĞÜM Y., KARAOSMANOĞLU F.

Journal of The Synthetic Lubrication, vol.21, no.3, pp.207-222, 2004 (Refereed Journals of Other Institutions)

VII. Rekabete Dayalı İşletme Organizasyonlarında Toplam Kalite Yönetimi TKY

KORUCA H. İ. , KURBANOĞLU C., DURAK E.

Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü Dergisi, vol.2, no.1, pp.83-90, 1997 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

I. Noktasal Odaklı Sıcaklık Kontrollü Mikrodalga Sistemi Geliştirilmesi ve Üzüm Bioaktiflerinin Ekstraksiyonunda Kullanımı

KARACABEY E., AKBAYRAK S., GEÇİN M., DURAK E.

Türkiye 12. Gıda Kongresi, Edirne, Turkey, 5 - 07 October 2016

II. Investigation of Friction Performance of Commercial Oil Additive Using in The Vehicles

ŞİMŞEK M., SALMAN Ö., KALELİ E. H. , TUNAY R. F. , DURAK E.

TURKEYTRIB'15 1st International Conference on Tribology, 7 - 09 October 2015

III. Friction Behaviour of Some Engineering Plastics.

SALMAN NTEZİYAREMYE Ö., DURAK E., TUNAY R. F. , ŞİMŞEK M.

TURKEYTRIB'15 1st International Conference on Tribology, İstanbul, Turkey, 7 - 09 October 2015, pp.1-5

IV. INVESTIGATION OF FRETTING WEAR IN JOURNAL BEARINGS

ŞEVİK Y., DURAK E.

URKEYTRIB'15 1st INTERNATIONAL CONFERENCE ON TRIBOLOGY, İstanbul, Turkey, 7 - 09 October 2015

V. Manufacturing and Design of the Test Rig for Examination of Fretting Wear in the Journal Bearing

ŞEVİK Y., DURAK E.

The Proceedings of Second International Iron and Steel Symposium (IISS'15), Karabük, Turkey, 1 - 03 April 2015, vol.1, pp.263-269

VI. Effect of the Lubricant Additives on Friction Coefficient Using with Micro Arc Oxidative Coated Journal Bearings

ŞİMŞEK M., SALMAN Ö., DURAK E.

8th INTERNATIONAL CONFERENCE ON TRIBOLOGY, 30 October - 01 November 2014

VII. The Friction Behavior of the Vegetable Based Methyl Esters as Lubricating Additives

SALMAN Ö., DURAK E.

8th INTERNATIONAL CONFERENCE ON TRIBOLOGY, 30 October - 01 November 2014

VIII. Design and Manufactured of the Reciprocating Piston Test Rig

DURAK E., TUNAY R. F. , SALMAN NTEZİYAREMYE Ö.

International Symposium on Advances in Applied Mechanics and Modern Information Technology(ISAAM&MIT'11, Baku, Azerbaijan, 16 - 18 October 2011, pp.146-150

IX. "Experimental Study of the Boron Oil Additive on Friction Coefficient at the Reciprocating Wear Test Rig

TUNAY R. F. , DURAK E.

International Symposium on Advances in Applied Mechanics and Modern Information Technology(ISAAM&MIT'11), Baku, Azerbaijan, 16 - 18 October 2011, pp.325-329

- X. **Manyetik Alana Maruz Kalan T/M Esaslı Yatakların Tribolojik Özellikleri**
TUNAY R. F. , DURAK E.
VI. Makina Tasarım ve İmalat Teknolojileri Kongresi, Konya, Turkey, 11 - 13 September 2011, pp.341-350
- XI. **Yağ Katkı Maddelerinin Kaymalı Yataklardaki Sürtünme Katsayısına ve Aşınmaya Etkilerinin Deneysel İncelenmesi**
TUNAY R. F. , TÜFEKCI K., DURAK E., KURBANOĞLU C.
11th. International Conference On Machine Design And Production, Antalya, Turkey, 9 - 11 June 2004, pp.989-1005
- XII. **Farklı Yağlama Şartlarında ve Yağlarda T/M Esaslı Yatakların Tribolojik Özelliklerinin İncelenmesi**
DURAK E., KURBANOĞLU C., TÜFEKCI K., TUNAY R. F.
3th International Powder Metallurgy Conference, Ankara, Turkey, 22 - 24 September 2002, pp.1132-1143
- XIII. **Dinamik Yüklü Gözenekli Yatakların Deneysel, İncelenmesi**
KURBANOĞLU C., DURAK E., TUNAY R. F. , TÜFEKCI K.
3th International Powder Metallurgy Conference, Ankara, Turkey, 22 - 24 September 2002, pp.1121-1132
- XIV. **Measurement of Friction Force and Wear of Base Sintered Journal Bearings Manufactured With Powder Metallurgy(P/M)**
DURAK E., KURBANOĞLU C., KALELİ E. H. , TUNAY R. F.
4th International Conference On Tribology, Kayseri, Turkey, 14 - 15 March 2002, pp.399-405
- XV. **Lubricating Oil Additives and Their Functions**
DURAK E., KURBANOĞLU C., AYDIN B., KARAOSMANOĞLU F.
International Conference on Lubrication Techniques Techniques, İstanbul, Turkey, 27 - 28 October 1999, vol.1

Activities in Scientific Journals

Industrial Lubrication and Tribology, Committee Member, 2005 - Continues

Citations

Total Citations (WOS):83

h-index (WOS):6