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### Eğitim Bilgileri

Bütünleşik Doktora, University of Ulster, Mühendislik, Makina, Birleşik Krallık 1989 - 1994

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Makina, Türkiye 1979 - 1985

### Yabancı Diller

İngilizce, C1 İleri

### Yaptığı Tezler

Doktora, INFLUENCE OF PROCESS-INDUCED STRESSES ON THE MECHANICAL BEHAVIOUR AND DIMENSIONAL STABILITY OF THERMOPLASTIC INJECTION MOULDINGS, University Of Ulster, Mühendislik Fakültesi, Makina Bölümü, 1994

### Araştırma Alanları

Teknik Bilimler, Makina Mühendisliği, Konstrüksiyon ve İmalat, Makina Elemanları, Metalurji ve Malzeme Mühendisliği, Malzeme Bilimi ve Mühendisliği, Polimerik Malzemeler

### Akademik Unvanlar / Görevler

Prof. Dr., Erciyes Üniversitesi, Mühendislik Fakültesi, --, 2009 - Devam Ediyor

Doç. Dr., Erciyes Üniversitesi, Mühendislik Fakültesi, --, 2004 - 2009

Yrd. Doç. Dr., Erciyes Üniversitesi, Mühendislik Fakültesi, --, 1995 - 2004

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. Investigation of the mechanical properties of the diffusion welded copper wires stacked in the same

**direction**

YASAN Ö. B., ÖZDEN S., NAİR F.

Journal of Mechanical Science and Technology, cilt.37, sa.1, ss.127-137, 2023 (SCI-Expanded)

- II. **INVESTIGATION OF THE WEAR BEHAVIOUR OF CRANKSHAFT JOURNAL BEARINGS AND BUSHING WITH RESPECT TO PROCESS PARAMETERS**  
ÖZDEN S., NAİR F., Kara K.  
JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION, cilt.17, sa.2, ss.192-205, 2011 (SCI-Expanded)
- III. **The Stabilization of Bisphenol-A Based Polycarbonate by Phosphine Oxide**  
ÖZDEN S., SHAOV A. K., CHARAEV A. M.  
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.116, sa.3, ss.1475-1482, 2010 (SCI-Expanded)
- IV. **Synthesis and Modification of Aromatic Polyesters with Chloroacetyl 3,5-Dibromo-p-hydroxybenzoic Acid**  
ÖZDEN S., CHARAYEV A. M., BAZHEVA R. C.  
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.111, sa.4, ss.1755-1762, 2009 (SCI-Expanded)
- V. **Inhibition of thermal oxidation destruction of PBT/HDPE blends by organic compounds of five-valent phosphorus**  
ÖZDEN S., BORUKAYEV T. A., SHAOV A. K.  
INTERNATIONAL POLYMER PROCESSING, cilt.23, sa.3, ss.339-344, 2008 (SCI-Expanded)
- VI. **The synthesis of block copolyetherketones based on 4,4 '-dichlorodiphenylketone, phenolphthaleine, and bisphenol A and investigation of their properties**  
ÖZDEN S., CHARAYEV A. M., SHAOV A. H., BAZHEVA R. C.  
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.107, sa.4, ss.2459-2465, 2008 (SCI-Expanded)
- VII. **The Influence of Fe/FeO Mixture on the Molecular Fluctuation Networks of Polybutyleneterephthalate**  
ÖZDEN S., BORUKAYEV T. A.  
POLYMERS & POLYMER COMPOSITES, cilt.16, sa.6, ss.389-394, 2008 (SCI-Expanded)
- VIII. **Compositions based on aromatic polycarbonate and metallic phosphinic acids**  
Ozden S., SHAOV A. H., CHARAYEV A.  
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.104, sa.6, ss.3628-3636, 2007 (SCI-Expanded)
- IX. **Investigation of impact behaviour of aluminium based SiC particle reinforced metal-matrix composites**  
Ozden S., Ekici R., Nair F.  
COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING, cilt.38, ss.484-494, 2007 (SCI-Expanded)
- X. **The conditions of minimum potential energy and Castigliano's functional in a non-linear media**  
Oshhkunov M., Ozden S.  
INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS, cilt.38, sa.1, ss.71-77, 2003 (SCI-Expanded)
- XI. **Synthesis of block copolyetherether ketones and investigations of their properties**  
Ozden S., CHARAYEV A., SHAOV A.  
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.85, sa.3, ss.485-490, 2002 (SCI-Expanded)
- XII. **The improvement of the fracture behaviour of polybutyleneterephthalate modified by highly dispersed metals**  
Ozden S., BORUKAYEV T., MASHUKOV N., MIKITAYEV A.  
POLYMERS & POLYMER COMPOSITES, cilt.10, sa.3, ss.249-255, 2002 (SCI-Expanded)
- XIII. **High impact thermally stable block copolyethers**  
Ozden S., CHARAYEV A., SHAOV A.  
JOURNAL OF MATERIALS SCIENCE, cilt.36, sa.18, ss.4479-4484, 2001 (SCI-Expanded)
- XIV. **The effects of p-butoxyphenylcyclohexyl-phosphinic acid on the properties of PC based on bisphenol A**  
Ozden S., SHAOV A., CHARAYEV A., GURDALIYEV X.  
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.80, sa.11, ss.2113-2119, 2001 (SCI-Expanded)
- XV. **Aromatic flock copolyesters stabilised with metallic salts of phosphinic acid**

- Ozden S., SHAOV A., CHARAYEV A., MIKITAEV A., BEDANOKOV A.  
POLYMERS & POLYMER COMPOSITES, cilt.9, sa.3, ss.213-219, 2001 (SCI-Expanded)
- XVI. **Mechanisms of stabilisation of high density polyethylene against oxidation using highly dispersed Fe-FeO mixtures**  
Ozden S., HATSUKOVA M., MASHUKOV H., KOZLOV G.  
PLASTICS RUBBER AND COMPOSITES, cilt.29, sa.5, ss.212-215, 2000 (SCI-Expanded)
- XVII. **The synthesis of polyetheretherketones and investigations of their properties**  
Ozden S., CHARAYEV A., SHAOV A.  
JOURNAL OF MATERIALS SCIENCE, cilt.34, sa.11, ss.2741-2744, 1999 (SCI-Expanded)
- XVIII. **Synthesis and assessment of the properties of polyetherketones (PEK) based on olygoketonephenolphthaleines (OKPP)-polyester block copolymers**  
Ozden S., CHARAYEV A., SHAOV A., SHUSTOV G.  
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.68, sa.6, ss.1013-1017, 1998 (SCI-Expanded)
- XIX. **Stabilising the structure of HDPE by the use of highly-dispersed mixture of Fe/FeO**  
Ozden S.  
INTERNATIONAL POLYMER PROCESSING, cilt.13, sa.1, ss.23-26, 1998 (SCI-Expanded)
- XX. **Compositions based on aromatic block copolyester and p-butoxyphenyl cyclohexyl phosphinic acid**  
Ozden S., SHAOV A., CHARAYEV A., BIDANIKOV A.  
POLYMERS & POLYMER COMPOSITES, cilt.6, sa.2, ss.103-107, 1998 (SCI-Expanded)
- XXI. **Assessment of thermal stresses in injection moulded polycarbonate**  
Akay M., Ozden S.  
Plastics, Rubber and Composites Processing and Applications, cilt.25, sa.3, ss.145-151, 1996 (SCI-Expanded)
- XXII. **An assessment of thermal stresses in injection moulded ABS copolymer**  
AKAY M., Ozden S.  
INTERNATIONAL POLYMER PROCESSING, cilt.11, sa.2, ss.179-187, 1996 (SCI-Expanded)
- XXIII. **Prediction of process-induced warpage in injection molded thermoplastics**  
AKAY M., Ozden S., TANSEY T.  
POLYMER ENGINEERING AND SCIENCE, cilt.36, sa.13, ss.1839-1846, 1996 (SCI-Expanded)
- XXIV. **THE INFLUENCE OF RESIDUAL-STRESSES ON THE MECHANICAL AND THERMAL-PROPERTIES OF INJECTION-MOLDED ABS COPOLYMER**  
AKAY M., OZDEN S.  
JOURNAL OF MATERIALS SCIENCE, cilt.30, sa.13, ss.3358-3368, 1995 (SCI-Expanded)
- XXV. **MEASUREMENT OF RESIDUAL-STRESSES IN INJECTION-MOLDED THERMOPLASTICS**  
AKAY M., OZDEN S.  
POLYMER TESTING, cilt.13, sa.4, ss.323-354, 1994 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Influence of residual stresses on mechanical and thermal properties of injection moulded polycarbonate**  
AKAY M., Ozden S.  
Plastics, Rubber and Composites Processing and Applications, cilt.25, sa.3, ss.138-144, 1996 (Scopus)

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **The Importance of the Taguchi Experimental Design on The Determination of the Affective Factors of the Journal Bearing**  
CANBULUT F., ÖZDEN S., SİNANOĞLU C.  
The First Mediterranean Tribology Conference, Jerusalem, İsrail, 8 - 09 Kasım 2000

**II. The effects of lubricating oil on the internal combustion engine**

SİNANOĞLU C., CANBULUT F., ÖZDEN S.

The first mediterranean tribology conference, 8 - 09 Kasım 2000, cilt.1

**III. The Effects of Lubricating oil on the Internal Combustion Engine**

Sinanoğlu C., CANBULUT F., Özden S.

The First Mediterranean Tribology Conference, Jerusalem, İsrail, 12 Haziran 2000 - 14 Haziran 2000, cilt.1, ss.12-16

## **Desteklenen Projeler**

CANBULUT F., SİNANOĞLU C., ÖZDEN S., Yükseköğretim Kurumları Destekli Proje, YÜKSEK HIZ VE DÜŞÜK YÜKLERDE YAĞLAYICI OLARAK KULLANILAN GAZLARIN YATAK PERFORMANSINA ETKİLERİNİN DENEYSEL OLARAK ARAŞTIRILMASI, 2005 - 2007

ÖZDEN S., ÖZARSLAN B., Yükseköğretim Kurumları Destekli Proje, KOMPOZİT MALZEMELERİN MEKANİK DAVRANIŞLARININ İYİLEŞTİRİLMESİ, 2004 - 2005

ÖZDEN S., Yükseköğretim Kurumları Destekli Proje, KARBON FİBER DESTEKLİ KOMPOZİT MALZEMELERİN ÜRETİMİ SIRASINDA DİKİŞLE DİKİLMESİ İLE MEKANİK ÖZELLİKLERİNİN GELİŞTİRİLMESİ, 2002 - 2005

## **Metrikler**

Yayın: 31

Atıf (WoS): 359

Atıf (Scopus): 240

H-İndeks (WoS): 7

H-İndeks (Scopus): 7