

Prof. SEDAT ÖZDEN

Personal Information

Office Phone: [+90 352 207 6666](tel:+903522076666) Extension: 32151

Office Phone: [+90 352 207 6666](tel:+903522076666) Extension: 14511

Email: ozden@erciyes.edu.tr

Web: <https://avesis.erciyes.edu.tr/ozden/>

Address: Erciyes Üniversitesi, Mühendislik Fakültesi, Makina Bölümü, Melikgazi, Kayseri

International Researcher IDs

ORCID: 0000-0002-8299-0858

ScopusID: 7005349349

Yoksis Researcher ID: 168630

Education Information

Doctorate, University of Ulster, Mühendislik, Makina, United Kingdom 1989 - 1994

Undergraduate, Middle East Technical University, Faculty Of Engineering, Makina, Turkey 1979 - 1985

Foreign Languages

English, C1 Advanced

Dissertations

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

Research Areas

Technical Sciences, Mechanical Engineering, Construction and Manufacturing, Machine Elements, Metallurgical and Materials Engineering, Material science and engineering, Polymeric Materials

Academic Titles / Tasks

Professor, Erciyes University, Mühendislik Fakültesi, --, 2009 - Continues

Associate Professor, Erciyes University, Mühendislik Fakültesi, --, 2004 - 2009

Assistant Professor, Erciyes University, Mühendislik Fakültesi, --, 1995 - 2004

Published journal articles indexed by SCI, SSCI, and AHCI

- I. 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, vol.37, no.1, pp.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, vol.17, no.2, pp.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, vol.116, no.3, pp.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, vol.111, no.4, pp.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, vol.23, no.3, pp.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, vol.107, no.4, pp.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, vol.16, no.6, pp.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, vol.104, no.6, pp.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, vol.38, pp.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, vol.38, no.1, pp.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, vol.85, no.3, pp.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, vol.10, no.3, pp.249-255, 2002 (SCI-Expanded)

XIII. High impact thermally stable block copolyethers

Ozden S., CHARAYEV A., SHAOV A.

JOURNAL OF MATERIALS SCIENCE, vol.36, no.18, pp.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, vol.80, no.11, pp.2113-2119, 2001 (SCI-Expanded)

XV. Aromatic flock copolymers stabilised with metallic salts of phosphinic acid

- Ozden S., SHAOV A., CHARAYEV A., MIKITAEV A., BEDANOKOV A.
 POLYMERS & POLYMER COMPOSITES, vol.9, no.3, pp.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, vol.29, no.5, pp.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, vol.34, no.11, pp.2741-2744, 1999 (SCI-Expanded)
- XVIII. **Synthesis and assessment of the properties of polyetherketones (PEK) based on oligoketonephenolphthaleines (OKPP)-polyester block copolymers**
 Ozden S., CHARAYEV A., SHAOV A., SHUSTOV G.
 JOURNAL OF APPLIED POLYMER SCIENCE, vol.68, no.6, pp.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, vol.13, no.1, pp.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, vol.6, no.2, pp.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, vol.25, no.3, pp.145-151, 1996 (SCI-Expanded)
- XXII. **An assessment of thermal stresses in injection moulded ABS copolymer**
 AKAY M., Ozden S.
 INTERNATIONAL POLYMER PROCESSING, vol.11, no.2, pp.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, vol.36, no.13, pp.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, vol.30, no.13, pp.3358-3368, 1995 (SCI-Expanded)
- XXV. **MEASUREMENT OF RESIDUAL-STRESSES IN INJECTION-MOLDED THERMOPLASTICS**
 AKAY M., OZDEN S.
 POLYMER TESTING, vol.13, no.4, pp.323-354, 1994 (SCI-Expanded)

Articles Published in Other Journals

- 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, vol.25, no.3, pp.138-144, 1996 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **The Importance of the Taguchi Experimental Desingne on The Determination of the Affective Factors of teh Journal Bearing**
 CANBULUT F., ÖZDEN S., SİNANOĞLU C.
 The First Mediterranean Tribology Conference, Jerusalem, Israel, 8 - 09 November 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 November 2000, vol.1

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

Sinanoğlu C., CANBULUT F., Özden S.

The First Mediterranean Tribology Conference, Jurusalem, Israel, 12 June 2000 - 14 June 0200, vol.1, pp.12-16

Supported Projects

CANBULUT F., SİNANOĞLU C., ÖZDEN S., Project Supported by Higher Education Institutions, YÜKSEK HIZ VE DÜŞÜK YÜKLERDE YAĞLAYICI OLARAK KULLANILAN GAZLARIN YATAK PERFORMANSINA ETKİLERİNİN DENEYSEL OALARAK ARAŞTIRILMASI, 2005 - 2007

ÖZDEN S., ÖZARSLAN B., Project Supported by Higher Education Institutions, KOMPOZİT MALZEMELERİN MEKANİK DAVRANIŞLARININ İYİLEŞTİRİLMESİ, 2004 - 2005

ÖZDEN S., Project Supported by Higher Education Institutions, KARBON FİBER DESTEKLİ KOMPOZİT MALZEMELERİN ÜRETİMİ SIRASINDA DİKİŞLE DİKİLMESİ İLE MEKANİK ÖZELLİKLERİNİN GELİŞTİRİLMESİ, 2002 - 2005

Metrics

Publication: 30

Citation (WoS): 352

Citation (Scopus): 239

H-Index (WoS): 7

H-Index (Scopus): 7