

Prof. İLHAN ÖZEN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: H-1854-2011

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Biography

İlhan Özen did his undergraduate work and master thesis on Textile Engineering at Ege University. He received his PhD in Polymer Chemistry from the University of Stuttgart in 2006. He did his post-doctoral studies at Sabancı University, Materials Science and Engineering Department. Currently, he has been working at Erciyes University, Textile Engineering Department as associate professor. He works in the field of polymer blends, reactive extrusion, rheological properties of polymer blends, polymer/clay nanocomposites, breathable films, oil absorptive materials, and controlled release fertilizer.

Education Information

Post Doctorate, Deakin University, Institute for Frontier Materials, Carbon Nexus, Australia 2022 - 2023

Post Doctorate, Sabancı University, Faculty Of Engineering, Malzeme Bilimi Ve Mühendisliği , Turkey 2006 - 2009

Doctorate, Universitaet Stuttgart, Kimya, Polimer Kimyası, Germany 2002 - 2006

Postgraduate, Ege University, Fen Bilimleri, Tekstil Mühendisliği Abd, Turkey 1998 - 2001

Undergraduate, Ege University, Faculty Of Engineering, Tekstil Mühendisliği , Turkey 1993 - 1998

Foreign Languages

German, C1 Advanced

English, C1 Advanced

Dissertations

Doctorate, Polipropilen/Poliamid Çok Katmanlı Filmlerde Arayüzey Tutunmasının Yüzeyaktif Aditiflerle Değiştirilmesi , Universitaet Stuttgart, Kimya, Polimer Kimyası, 2006

Postgraduate, Elektrolit İlavasının Reaktif ve Direkt Boyarmaddelerle Boyamaya Etkisi Üzerine Bir Araştırma, Ege Üniversitesi, Fen Bilimleri, Tekstil Mühendisliği , 2001

Research Areas

Chemical Engineering and Technology, Chemical Technologies, Polymer Technology, Textile Engineering and Technology, Textile Materials, Textile Chemistry, Dye Finishing Technology, Metallurgical and Materials Engineering, Material science and engineering, Nanomaterials, Engineering and Technology

Academic Titles / Tasks

Professor, Erciyes University, Mühendislik Fakültesi, Tekstil Mühendisliği, 2019 - Continues
Associate Professor, Erciyes University, Mühendislik Fakültesi, Tekstil Mühendisliği, 2014 - 2019
Assistant Professor, Erciyes University, Mühendislik Fakültesi, Tekstil Mühendisliği, 2009 - 2013
Expert, Sabanci University, Faculty Of Engineering, Malzeme Bilimi Ve Mühendisliği, 2006 - 2009
Research Assistant, Universitaet Stuttgart, Kimya, Polimer Kimyası, 2002 - 2006
Research Assistant, Ege University, Faculty Of Engineering, Tekstil Mühendisliği , 1998 - 2002

Academic and Administrative Experience

Academic Performance D. Board Member, Erciyes University, Mühendislik Fakültesi, Tekstil Mühendisliği, 2019 - Continues
Erciyes Üniversitesi, Mühendislik Fakültesi, Tekstil Mühendisliği, 2009 - 2016
Erciyes University, 2009 - 2016
Erciyes University, 2010 - 2015
Erciyes Üniversitesi, Ernam Nanoteknoloji Araştırma Merkezi, 2011 - 2014
Erciyes University, 2011 - 2014

Courses

İş Hayatı için Yabancı Dil, Undergraduate, 2016 - 2017
Scientific Research and Ethic, Postgraduate, 2017 - 2018
Malzeme Karakterizasyon Teknikleri, Undergraduate, 2016 - 2017
Yabancı Dilde Okuma Konuşma, Undergraduate, 2017 - 2018
Mesleki İngilizce II, Undergraduate, 2016 - 2017
Technical English II, Undergraduate, 2016 - 2017
Technical English II, Undergraduate, 2016 - 2017
Malzeme Karakterizasyon Teknikleri, Undergraduate, 2016 - 2017
Seminar, Postgraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016
Mesleki Yabancı Dil-I, Undergraduate, 2016 - 2017
Polimer Bilimi ve Mühendisliği, Undergraduate, 2016 - 2017
Ar-Ge ve İnovasyon, Postgraduate, 2017 - 2018, 2015 - 2016
Tekstil Terbiyesinde Üretim ve Maliyet Hesapları , Undergraduate, 2017 - 2018, 2015 - 2016
İş Hayatı için Yabancı Dil, Undergraduate, 2016 - 2017
Nanobilimi, Nanoteknoloji ve Tekstildeki Uygulamaları, Postgraduate, 2016 - 2017
Scientific Research and Ethic, Doctorate, 2017 - 2018
Seminar, Doctorate, 2017 - 2018
Liflerin Mekanik ve Reolojik Özellikleri, Doctorate, 2015 - 2016
Yabancı Dilde Okuma ve Konuşma, Undergraduate, 2011 - 2012, 2010 - 2011
Mesleki Yabancı Dil-I, Undergraduate, 2010 - 2011, 2009 - 2010
İş Hayatı için Yabancı Dil, Undergraduate, 2010 - 2011, 2009 - 2010
Tekstil Terbiyesinde Üretim ve Maliyet Hesapları, Undergraduate, 2010 - 2011
Dokusuz Yüzeyler, Associate Degree, 2010 - 2011

Lif Bilimindeki Polimerlerin Karakteristiđi, Doctorate, 2009 - 2010
Liflerin Mekaniik ve Reolojik Özellikleri, Doctorate, 2009 - 2010
Tekstil Terbiyesinde Üretim ve Maliyet Hesapları, Undergraduate, 2009 - 2010
Dokusuz Yüzeyler, Associate Degree, 2009 - 2010

Advising Theses

Özen İ., Kontrollü gübre ve su salımı sađlayan çevreci agrotekstil dokusuz yüzeylerin geliştirilmesi, Doctorate, G.OKYAY(Student), 2019
ÖZEN I., Amorf Silika İçeren Polipropilen Dokusuz Yüzeylerin Boyanabilirlik Özelliklerinin İncelenmesi, Postgraduate, R.Şahin(Student), 2019
ÖZEN I., Kontrollü Salım Özelliđi Bulunan Katmanlı Yapıya Sahip Agrotekstil Dokusuz Yüzeylerin Geliştirilmesi, Postgraduate, S.Karagöz(Student), 2017
ÖZEN I., Yüksek Dolgulu Polietilen/Kalsiyum Karbonat Kompaundların Üretilerek Mikro Gözenekli Nefes Alabilen Tekstil Yüzeylerinin Oluşturulması, Doctorate, S.Şimşek(Student), 2015
ÖZEN I., Amorf Silika Yüzeyinin Modifiye Edilmesi ve Polipropilen/Amorf Silika Kompaund Üretim Şartlarının Optimizasyonu, Postgraduate, G.Okay(Student), 2015
ÖZEN I., Farklı Yađ Asitleriyle Sulu Kaplanmış Kalsiyum Karbonat Kullanılarak Polietilen/Kalsiyum Karbonat Kompozit Malzemelerin Üretilmesi ve Karakterizasyonu, Postgraduate, F.Eren(Student), 2014
ÖZEN I., Nefes Alabilen Yüzeylerde Kullanılan Kalsiyum Karbonatın Modifiye Edilmesi ve Polietilen/Kalsiyum Karbonat Kompaund Üretim Şartlarının Optimizasyonu, Postgraduate, Ş.Hasbülbul(Student), 2013
ÖZEN I., Poli(etilen tereftalat) (PET) Eriyiklerine Çeşitli Organik ve İnorganik Aditiflerin İlave Edilerek Boyanma Özelliklerinin İyileştirilmesi, Postgraduate, S.Güneş(Student), 2013
ÖZEN I., Konvansiyonel ve Nanoteknoloji Esaslı Su İtici Bitim Kimyasalları Kullanılarak Farklı Yapıdaki Tekstil Malzemelerinin Su Geçirmezlik Özelliklerinin Araştırılması, Postgraduate, A.Özsevinç(Student), 2012
ÖZEN I., PET/EVOH ve PETI/EVOH Karışımlarının Bariyer Özelliklerinin Araştırılması, Postgraduate, C.Dalgıçdir(Student), 2009
ÖZEN I., Ambalaj Sanayinde Kullanılan Polimerlerin Bariyer Özelliklerinin İyileştirilmesi - PET/N-MXD6 Karışımları, Postgraduate, G.Bozoklu(Student), 2008

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Erciyes Üniversitesi, December, 2019
Doctoral Examination, Doctoral Examination, Erciyes Üniversitesi, November, 2019
Doctorate, Doctorate, Erciyes Üniversitesi, November, 2019
Doctorate, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Malzeme Mühendisliđi Anabilim Dalı, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Malzeme Mühendisliđi Anabilim Dalı, January, 2019
Post Graduate, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliđi Anabilim Dalı, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliđi Anabilim Dalı, January, 2019
Doctoral Examination, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliđi Anabilim Dalı, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliđi Anabilim Dalı, May, 2018
Doctoral Examination, Abdullah Gül Üniversitesi Fen Bilimleri Enstitüsü Malzeme Bilimi ve Nanoteknoloji Mühendisliđi, Abdullah Gül Üniversitesi Fen Bilimleri Enstitüsü Malzeme Bilimi ve Nanoteknoloji Mühendisliđi, December, 2017
Doctoral Examination, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliđi Anabilim Dalı, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliđi Anabilim Dalı, November, 2017
Doctoral Examination, Abdullah Gül Üniversitesi Fen Bilimleri Enstitüsü Malzeme Bilimi ve Nanoteknoloji Mühendisliđi, Abdullah Gül Üniversitesi Fen Bilimleri Enstitüsü Malzeme Bilimi ve Nanoteknoloji Mühendisliđi, May, 2017
Doctorate, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliđi Anabilim Dalı, Erciyes Üniversitesi Fen

Bilimleri Enstitüsü Tekstil Mühendisliği Anabilim Dalı, October, 2016

Doctorate, Doktora Tez Savunma Jürisi, Dokuz Eylül Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliği Anabilim Dalı, September, 2016

Doctoral Examination, Dokuz Eylül Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliği Anabilim Dalı, Dokuz Eylül Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliği Anabilim Dalı, February, 2016

Doctorate, Tez Savunma Jürisi, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliği Anabilim Dalı, June, 2015

Post Graduate, Fen Bilimleri Enstitüsü Tez Savunması (Y. Lisans), Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliği Anabilim Dalı, January, 2015

Post Graduate, Tez Savunması (Y. Lisans), Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliği Anabilim Dalı, June, 2014

Doctorate, Erciyes Üniversitesi Fen Bilimleri Enstitüsü, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliği Anabilim Dalı, January, 2014

Post Graduate, Yüksek Lisans Tez Savunma Jürisi, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliği Anabilim Dalı, December, 2013

Doctorate, Doktora Tez Savunma Jürisi, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliği Anabilim Dalı, October, 2013

Doctorate, Doktora Tez Savunma Jürisi, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliği Anabilim Dalı, August, 2013

Post Graduate, Yüksek Lisans Tez Savunma Jürisi, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliği Anabilim Dalı, June, 2013

Doctorate, Doktora Tez Savunma Jürisi, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliği Anabilim Dalı, May, 2013

Post Graduate, Yüksek Lisans Tez Savunma Jürisi, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliği Anabilim Dalı, February, 2013

Post Graduate, Yüksek Lisans Tez Savunma Jürisi, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliği Anabilim Dalı, February, 2012

Post Graduate, Yüksek Lisans Tez Savunma Jürisi, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliği Anabilim Dalı, July, 2011

Post Graduate, Yüksek Lisans Tez Savunma Jürisi, Erciyes Üniversitesi Fen Bilimleri Enstitüsü Tekstil Mühendisliği Anabilim Dalı, November, 2009

Award, Lise Öğrencileri Deneysel Kimya Projeleri Değerlendirme Hakemliği, VKV Koç İlköğretim Okulu ve Lisesi Fen Fuarı, May, 2008

Award, Lise Öğrencileri Deneysel Kimya Projeleri Değerlendirme Hakemliği, VKV Koç İlköğretim Okulu ve Lisesi Fen Fuarı, May, 2007

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Sustainable bio-sourced nanoemulsions: Pectin-based delivery systems for vitex essential oil and its therapeutic potentials**
ÖZEN İ., DEMİRÜREK O., CEYLAN A., UĞUR KAPLAN A. B., ÇETİN M., Allardyce B., Ferdowsi M. R. G., Wu P., Shirvanimoghaddam K., Naebe M.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, 2024 (SCI-Expanded)
- II. **A facile synthesis of pectin/red clover extract nanoemulsions and nanofibers**
ÖZEN İ., Shirvanimoghaddam K., DEMİRÜREK O., Wu P., Naebe M.
JOURNAL OF THE TEXTILE INSTITUTE, 2024 (SCI-Expanded)
- III. **Surface Functionality through Periodical Patterning on Carbon Nanotubes**
Shirvanimoghaddam K., ÖZEN İ., Wu P., Jafarzadeh S., Yadav R., Naebe M.
Small Structures, vol.5, no.6, 2024 (SCI-Expanded)
- IV. **Reuse of waste dye bathes for sustainable wool dyeing by depletion of metal salts and plant-based dyes**

BENLİ H., BAHTİYARİ M. İ., Aydınhoğlu Ö., ÖZEN İ.

Journal of Cleaner Production, vol.450, 2024 (SCI-Expanded)

- V. **Properties of galactomannans and their textile-related applications—A concise review**
Özen İ., Bahtiyari M. İ., Haji A., Ul Islam S., Wang X.
International Journal of Biological Macromolecules, vol.227, pp.1001-1014, 2023 (SCI-Expanded)
- VI. **Biomedicine: electrospun nanofibrous hormonal therapies through skin/tissue-a review**
ÖZEN İ., Wang X.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.72, no.1, pp.21-39, 2023 (SCI-Expanded)
- VII. **Revisiting the sublimation printability of cellulose-based textiles in light of ever-increasing sustainability issues**
ÖZEN İ., Schneider R., Buchmeiser M. R., Wang X.
COLORATION TECHNOLOGY, vol.138, no.6, pp.581-589, 2022 (SCI-Expanded)
- VIII. **Identifying the function of dimethylpyrazole phosphate as nitrification inhibitor in lettuce growth trials by using an agrotexile material with controlled fertilizer release property**
Okay G., Ulaş A., Özen İ.
JOURNAL OF THE TEXTILE INSTITUTE, vol.112, no.6, pp.870-880, 2021 (SCI-Expanded)
- IX. **Efficiency of an agrotexile surface structure possessing fertilizer and water management coupled with mulching property in romaine lettuce growth trials**
Okay G., Karagöz S., Ulaş A., Özen İ.
JOURNAL OF THE TEXTILE INSTITUTE, vol.111, no.12, pp.1735-1744, 2020 (SCI-Expanded)
- X. **Achieving Dual-Functionality by Surface Coating of Zeolite with Stearic Acid: Combining Breathability and Odor Control Properties in Polyethylene/Zeolite Composite Films**
Soylemez C., Turkmen I., ÖZEN İ.
MACROMOLECULAR RESEARCH, vol.28, no.12, pp.1149-1159, 2020 (SCI-Expanded)
- XI. **ICONTEX and ICONWOOLF 2019 Special Issue**
ÖZEN İ.
COLORATION TECHNOLOGY, vol.136, no.2, pp.99-100, 2020 (SCI-Expanded)
- XII. **An Optimization Study on Sound Insulation Property of Ethylene Vinyl Acetate/Hematite Coated Nonwovens**
Özen I., Okay G., Demiryürek O.
POLYMER COMPOSITES, vol.40, no.5, pp.1890-1896, 2019 (SCI-Expanded)
- XIII. **Characterizing the thermal and mechanical properties and improvement in sound insulation performance of magnetite containing nonwovens depending on coating conditions**
Özen I., Haskan H., Okay G., Demiryürek O.
COMPOSITE STRUCTURES, vol.211, pp.254-263, 2019 (SCI-Expanded)
- XIV. **Controlled fertilizer release via tunable poly(vinyl alcohol)/ammonium sulfate-coated nonwoven materials**
Özen I., Okay G., Ulaş A.
JOURNAL OF COATINGS TECHNOLOGY AND RESEARCH, vol.16, pp.93-102, 2019 (SCI-Expanded)
- XV. **Eriyik Üfleme Tekniğiyle Üretilmiş, Farklı Tipte Diatomit İçeren Polipropilen Dokusuz Yüzeylerin Yağ Emicilik Özelliklerinin İncelenmesi**
ÖZEN İ.
Tekstil ve Mühendis, vol.25, no.110, pp.68-77, 2018 (SCI-Expanded)
- XVI. **Çok Tabakalı ZnO veya TiO₂ Kaplanmış %100 Pamuklu Kumaşların Dispers Boyarmaddelerle Transfer Baskı Yöntemine Göre Basılması**
ÖZEN İ., Uğur Ş. S., Sarıışık A. M.
Tekstil ve Mühendis, vol.25, no.109, pp.37-43, 2018 (SCI-Expanded)
- XVII. **Coating of nonwovens with potassium nitrate containing carboxymethyl cellulose for efficient water and fertilizer management**
Özen I., Okay G., Ulaş A.

- CELLULOSE, vol.25, pp.1527-1538, 2018 (SCI-Expanded)
- XVIII. **Antimicrobial cerium ion-chitosan crosslinked alginate biopolymer films: A novel and potential wound dressing**
Kaygusuz H., Torlak E., Akm-Evingur G., ÖZEN I., Von Klitzing R., Erim F. B.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.105, pp.1161-1165, 2017 (SCI-Expanded)
- XIX. **Antimicrobial and physical properties of chitosan films incorporated with turmeric extract**
Kalaycıoğlu Z., Torlak E., Akm-Evingür G., ÖZEN I., Erim F. B.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.101, pp.882-888, 2017 (SCI-Expanded)
- XX. **Changing Breathability of Polyethylene Composite Films with Different Porous Structures Depending on Stretching Processes**
Özen I., Simsek S.
ADVANCES IN POLYMER TECHNOLOGY, vol.36, pp.203-210, 2017 (SCI-Expanded)
- XXI. **Oil absorbency of diatomite-embedded polypropylene meltblown composite structures**
Özen I., Okyay G., Şimşek S., Duran D.
JOURNAL OF INDUSTRIAL TEXTILES, vol.46, pp.1552-1578, 2017 (SCI-Expanded)
- XXII. **Controlled Release Profile of Imidacloprid-β-Cyclodextrin Inclusion Complex Embedded Polypropylene Filament Yarns**
Turan A. C., ÖZEN I., Gürakın H. K., Fatarella E.
JOURNAL OF ENGINEERED FIBERS AND FABRICS, vol.12, no.1, pp.75-83, 2017 (SCI-Expanded)
- XXIII. **Effect of stretching temperature on breathability and waterproofness properties of polyethylene films containing different calcium carbonates**
Özen I., Simsek S.
JOURNAL OF PLASTIC FILM & SHEETING, vol.32, pp.380-401, 2016 (SCI-Expanded)
- XXIV. **Thermal comfort properties of simulated multilayered diaper structures in dry and wet conditions**
Özen I., Çinçik E., Simsek S.
JOURNAL OF INDUSTRIAL TEXTILES, vol.46, pp.256-278, 2016 (SCI-Expanded)
- XXV. **Enhanced dyeability of poly(ethylene terephthalate)/organoclay nanocomposite filaments**
Özen I.
COLORATION TECHNOLOGY, vol.131, pp.464-473, 2015 (SCI-Expanded)
- XXVI. **Manipulating surface wettability and oil absorbency of diatomite depending on processing and ambient conditions**
Özen I., Simsek S., Okyay G.
APPLIED SURFACE SCIENCE, vol.332, pp.22-31, 2015 (SCI-Expanded)
- XXVII. **Vital importance of moisture level in all stages of processing from calcium carbonate coating through polyethylene/calcium carbonate compounding to film generation**
Özen I., Simsek S.
POWDER TECHNOLOGY, vol.270, pp.320-328, 2015 (SCI-Expanded)
- XXVIII. **EFFECTS OF PRE- AND INTERMEDIATE CAUSTICISATION ON PATTERN FORMATION AND FASTNESS PROPERTIES OF THREE- AND TWO-BATH DYEINGS OF WOVEN POLYESTER/CATIONIC DYEABLE POLYESTER/RAYON FABRICS**
Özen I.
TEKSTİL VE KONFEKSİYON, vol.23, no.4, pp.369-373, 2013 (SCI-Expanded)
- XXIX. **Physical and dyeing properties of poly(ethylene terephthalate)/montmorillonite nanocomposite filament yarns**
Özen I., Güneş S.
POLYMER ENGINEERING AND SCIENCE, vol.53, pp.1031-1039, 2013 (SCI-Expanded)
- XXX. **Synthesis of Polyolefin-g-Poly(ethylene oxide) by Reacting Maleic Anhydride Modified Polypropylene or Poly(propylene-co-ethylene) with Hydroxy-terminated Poly(ethylene Oxide) in the Melt**
Özen I., Dirnberger K., Rustal C., Fritz H., Eisenbach C. D.
POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, vol.52, no.1, pp.101-106, 2013 (SCI-Expanded)

- XXXI. **Production and Characterization of Polyethylene/Calcium Carbonate Composite Materials by Using Calcium Carbonate Dry and Wet Coated With Different Fatty Acids**
Özen I., Simsek S., Eren F.
POLYMERS & POLYMER COMPOSITES, vol.21, pp.183-187, 2013 (SCI-Expanded)
- XXXII. **Morphological similarity of a tri-block copolymer processed at ambient and elevated temperatures**
Inceoglu S., Aytun T., Menceloglu Y. Z., Ozen İ., Acar M. H.
KOREA-AUSTRALIA RHEOLOGY JOURNAL, vol.24, no.4, pp.313-321, 2012 (SCI-Expanded)
- XXXIII. **An Investigation on Usage of Sodium Borohydride and Zinc Oxide as Oxygen Scavengers in Polyethylene Terephthalate Films**
Ozen I.
INTERNATIONAL POLYMER PROCESSING, vol.27, no.4, pp.493-497, 2012 (SCI-Expanded)
- XXXIV. **Comparison of melt extrusion and thermokinetic mixing methods in poly(ethylene terephthalate)/montmorillonite nanocomposites**
Ozen I., Inceoglu F., Acatay K., Menceloglu Y. Z.
POLYMER ENGINEERING AND SCIENCE, vol.52, no.7, pp.1537-1547, 2012 (SCI-Expanded)
- XXXV. **The quasi-yarn-dyed effect: triple dyeing of woven polyester/cationic dyeable polyester/viscose rayon blend fabrics by chemical treatments in the laboratory and on a pilot and an industrial scale**
ÖZEN I., Kurucu A., Türksever H.
COLORATION TECHNOLOGY, vol.128, no.2, pp.153-159, 2012 (SCI-Expanded)
- XXXVI. **Oxygen Gas and Water Vapor Permeability of Biaxially Stretched Poly(ethylene terephthalate)/Poly(ethylene-co-vinyl alcohol) and Poly(ethylene terephthalate-co-isophthalate)/Poly(ethylene-co-vinyl alcohol) Blend Films**
Ozen I., Dalgicdir C.
POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, vol.51, no.1, pp.97-104, 2012 (SCI-Expanded)
- XXXVII. **Modification of surface properties of polypropylene films by blending with poly(ethylene-b-ethylene oxide) and its application**
Oezen I., Rustal C., Dirnberger K., Fritz H., Eisenbach C. D.
POLYMER BULLETIN, vol.68, no.2, pp.575-595, 2012 (SCI-Expanded)
- XXXVIII. **Multi-layered Breathable Fabric Structures with Enhanced Water Resistance**
Ozen I.
JOURNAL OF ENGINEERED FIBERS AND FABRICS, vol.7, pp.63-69, 2012 (SCI-Expanded)
- XXXIX. **Flow induced surface enrichment of poly(ethylene-block-ethylene oxide) on polypropylene by capillary rheometer**
ÖZEN I., Rustal C., Dirnberger K., Fritz H., Eisenbach C. D.
KOREA-AUSTRALIA RHEOLOGY JOURNAL, vol.23, no.1, pp.33-40, 2011 (SCI-Expanded)
- XL. **BARRIER PROPERTIES OF POLYPROPYLENE/POLY(M-XYLENE ADIPAMIDE) AND POLYPROPYLENE/POLY(ETHYLENE-CO-VINYL ALCOHOL) BLEND FILMS**
ÖZEN I., Menceloglu Y. Z.
JOURNAL OF PLASTIC FILM & SHEETING, vol.26, no.4, pp.377-394, 2010 (SCI-Expanded)
- XLI. **Determination of thermorheological phase diagram of poly(propylene)/poly(ethylene-b-ethylene oxide) blends**
Oezen I., Rustal C., Dirnberger K., Fritz H., Eisenbach C. D.
E-POLYMERS, 2010 (SCI-Expanded)
- XLII. **Improvement in gas permeability of biaxially stretched PET films blended with high barrier polymers: The role of chemistry and processing conditions**
ÖZEN I., Bozoklu G., Dalgicdir C., Yucel O., Unsal E., Cakmak M., Menceloglu Y. Z.
EUROPEAN POLYMER JOURNAL, vol.46, no.2, pp.226-237, 2010 (SCI-Expanded)
- XLIII. **Morphology of Poly(ethylene terephthalate) Blends: An Analysis under Real Processing Conditions by Rheology and Microscopy**
ÖZEN I., Menceloglu Y. Z.
ADVANCES IN POLYMER TECHNOLOGY, vol.28, no.3, pp.173-184, 2009 (SCI-Expanded)

- XLIV. **Tekstil Terbiyesinde Çiklodekstrin Kullanımı**
Yurdakul A., ÖZEN İ.
TEKSTİL VE KONFEKSİYON, pp.30-34, 2000 (SCI-Expanded)

Articles Published in Other Journals

- I. **Multifaceted applications of thymol/carvacrol-containing polymeric fibrous structures**
Özen İ., Demir A., Bahtiyari M. İ., Wang X., Nilghaz A., Wu P., Shirvanimoghaddam K., Naebe M.
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ÖZEN I., TUBITAK Project, Reaktif Boyarmaddelerle Boyanmış Örme Mamullerin Yaş Sürütme Haslıklarının İncelenmesi, 1999 - 2001

Patent

Cevahir N. N., Menceloğlu Y. Z., Özen İ., Spinfinish material applied on the fiber and a production method thereof, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: US 9,388,527 B2 , 2016, 2017, 2018

Activities in Scientific Journals

Journal of Plastic Film and Sheeting, Evaluation Committee Member, 2015 - Continues
Coloration Technology, Evaluation Committee Member, 2013 - Continues
Science Publishing Group, Evaluation Committee Member, 2013 - Continues
Coloration Technology, Special Issue Editor, 2019 - 2020

Scientific Refereeing

Coloration Technology, SCI Journal, December 2017
Journal of Plastic and Film Sheeting, SCI Journal, December 2017
Bilim Sanayi ve Teknoloji Bakanlığı, Other Journals, November 2017
Journal of Plastic and Film Sheeting, SCI Journal, November 2017
Tekstil ve Mühendis, National Scientific Refreed Journal, November 2017
Coloration Technology, SCI Journal, November 2017
Journal of Industrial Textiles, SCI Journal, November 2017
Project Supported by Higher Education Institutions, November 2017
TUBITAK Project, November 2017
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Powder Technology, SCI Journal, October 2017
Bilim Sanayi ve Teknoloji Bakanlığı, Other Journals, October 2017
Textile Research Journal, SCI Journal, October 2017
Coloration Technology, SCI Journal, October 2017
Chemical Engineering Communications, SCI Journal, October 2017
Coloration Technology, SCI Journal, September 2017
Journal of Industrial Textiles, SCI Journal, September 2017
Journal of Plastic and Film Sheeting, SCI Journal, September 2017
Bilim Sanayi ve Teknoloji Bakanlığı, Other Journals, August 2017
Advances in Polymer Technology, SCI Journal, July 2017
Bilim Sanayi ve Teknoloji Bakanlığı, Other Journals, July 2017
Journal of Plastic and Film Sheeting, SCI Journal, July 2017
Tekstil ve mühendis, National Scientific Refreed Journal, June 2017
Journal of Industrial Textiles, SCI Journal, June 2017
Textile Research Journal, SCI Journal, May 2017
Coloration Technology, SCI Journal, April 2017
Coloration Technology, SCI Journal, March 2017
Bilim Sanayi ve Teknoloji Bakanlığı, Other Journals, March 2017
Journal of Plastic and Film Sheeting, SCI Journal, March 2017
Coloration Technology, SCI Journal, January 2017
Langmuir, SCI Journal, January 2017
Coloration Technology, SCI Journal, November 2016
Journal of Industrial Textiles, SCI Journal, October 2016
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Journal of Plastic Film and Sheeting, SCI Journal, May 2016
Coloration Technology, SCI Journal, May 2016
Project Supported by Higher Education Institutions, May 2016
Project Supported by Higher Education Institutions, May 2016
Uludağ Tekstil İhracatçıları Birliği Proje Pazarı, Other journals, April 2016
The Journal of the Textile Institute, SCI Journal, April 2016
Tekstil ve Mühendis, National Scientific Refreed Journal, April 2016
Tübitak TEYDEB, Other Journals, April 2016
TUBITAK Project, March 2016
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Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, February 2016
Coloration Technology, SCI Journal, February 2016
Coloration Technology, SCI Journal, January 2016
Powder Technology, SCI Journal, January 2016
Journal of the Textile Institute, SCI Journal, December 2015
Journal of Plastic Film and Sheeting, SCI Journal, December 2015
Tübitak BİDEB, Other Journals, December 2015
The Journal of Physical Chemistry B, SCI Journal, November 2015
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Journal of the Textile Institute, SCI Journal, June 2015
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TUBITAK Project, June 2015
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Journal of Plastic and Film Sheeting, SCI Journal, May 2015
Tübitak BİDEB, Other Journals, May 2015
VII. International R&D Brokerage Event In Turkish Textile And Clothing Sector, Bursa, Other journals, April 2015
Textile Research Journal, SCI Journal, April 2015
Coloration Technology, SCI Journal, April 2015
Coloration Technology, SCI Journal, March 2015
2015 Global Conference on Polymer and Composite Materials (PCM 2015), Other journals, March 2015
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, March 2015
Journal of Plastic and Film Sheeting, SCI Journal, February 2015
Journal of Plastic and Film Sheeting, SCI Journal, January 2015
Coloration Technology, SCI Journal, January 2015

Tekstil ve Konfeksiyon, SCI Journal, October 2014
Coloration Technology, SCI Journal, October 2014
Powder Technology, SCI Journal, August 2014
Coloration Technology, SCI Journal, August 2014
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Tübitak TEYDEB, Other Journals, April 2014
VI. International R&D Brokerage Event In Turkish Textile And Clothing Sector, Bursa, Other journals, April 2014
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Coloration Technology, SCI Journal, February 2014
Coloration Technology, SCI Journal, February 2014
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Journal of Polymer Science Part B: Polymer Physics, SCI Journal, January 2014
Coloration Technology, SCI Journal, January 2014
Tekstil ve Konfeksiyon, Journal Indexed in SSCI, December 2013
Tübitak TEYDEB, Other Journals, November 2013
Coloration Technology, SCI Journal, October 2013
Project Supported by Higher Education Institutions, July 2013
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Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, November 2012
Textile Research Journal, SCI Journal, November 2012
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TUBITAK Project, May 2011
Tekstil ve Konfeksiyon, SCI Journal, January 2011
TUBITAK Project, November 2010
TUBITAK Project, November 2010
TUBITAK Project, August 2010
Journal of Applied Polymer Science, SCI Journal, April 2010
Journal of Applied Polymer Science, SCI Journal, March 2010
Tekstil ve Konfeksiyon, SCI Journal, March 2010
TUBITAK Project, July 2009

Metrics

Publication: 119
Citation (WoS): 218
Citation (Scopus): 153
H-Index (WoS): 8
H-Index (Scopus): 6

Congress and Symposium Activities

Ecology Symposium 2017, Attendee, Kayseri, Turkey, 2017
6. Ulusal Polimer Bilim ve Teknolojisi Kongresi, Attendee, Ankara, Turkey, 2016
MACRO 2016 - 46th IUPAC World Polymer Congress, Attendee, İstanbul, Turkey, 2016
Turkish Nonwovens Symposium, Attendee, İstanbul, Turkey, 2015
AUTEX 15th World Textile Conference, Attendee, Bükreş, Romania, 2015
EGEMEDITEX International Congress on Healthcare and Medical Textiles, Attendee, İzmir, Turkey, 2014
1st Joint Turkey-Japan Workshop (JTJW) on Polymeric Composite Materials, Attendee, İstanbul, Turkey, 2014
Agricultural Film 2013, Attendee, Madrid, Spain, 2013
Eurofillers 2013, Attendee, Bratislava, Slovakia, 2013
V. International R&D Brokerage Event in Turkish Textile and Clothing Sector, Attendee, Bursa, Turkey, 2013
LLP Erasmus/Socrates Staff Mobility Program Technical University in Liberec, Faculty of Textile Engineering Liberec
Czech Republic, Invited Speaker, Czech Republic, 2013
5th International Technical Textiles Congress, Attendee, İzmir, Turkey, 2012
III. International Polymeric Composites Symposium, Exhibition and Workshop, Attendee, İzmir, Turkey, 2012
ANEX 2012 Asian Nonwovens Exhibition and Conference, Attendee, Seoul, South Korea, 2012
EGEMEDITEX International Congress on Healthcare and Medical Textiles, Attendee, İzmir, Turkey, 2012
IV. International R&D Brokerage Event in Turkish Textile and Clothing Sector, Attendee, Bursa, Turkey, 2012
International Congress of Innovative Textiles, ICONTEX2011, Attendee, İstanbul, Turkey, 2011
LLP Erasmus/Socrates Staff Mobility Program Hochschule Niederrhein, Textile Clothing and Technology,
Mönchengladbach Germany, Invited Speaker, Germany, 2011
III. International R&D Brokerage Event in Turkish Textile and Clothing Sector, Attendee, Bursa, Turkey, 2011
Polymer Processing Society 26th Regional Meeting, Session Moderator, İstanbul, Turkey, 2010
26th Polymer Processing Society Regional Meeting, Attendee, İstanbul, Turkey, 2010
Erciyes Üniversitesi ProjePark, Attendee, Kayseri, Turkey, 2010
5th National Nanoscience and Nanotechnology Symposium, Attendee, Eskişehir, Turkey, 2009
İzmir International Polymeric Composites Symposium, Attendee, İzmir, Turkey, 2008

4th Nanoscience and Nanotechnology Symposium, Attendee, İstanbul, Turkey, 2008
Makromolekulares Kolloquium, Attendee, Freiburg, Germany, 2006
19. Stuttgarter Kunststoff-Kolloquium, Attendee, Stuttgart, Germany, 2005
6th IPF-Kolloquium "Advanced heterogeneous polymer materials", Attendee, Dresden, Germany, 2004
18. Stuttgarter Kunststoff-Kolloquium, Attendee, Stuttgart, Germany, 2003

Scholarships

2219 Yurt Dışı Doktora Sonrası Araştırma Burs Programı, TÜBİTAK, 2022 - 2023
Seyahat Bursu, Other International Organizations, 2008 - 2008
Lisansüstü Eğitim Bursu, Official Institutions of Foreign Countries, 2002 - 2006
Yükseköğrenim Bursu, Foundation, 1993 - 1998

Awards

Özen İ., Silver Medal, The Society Of Dyers And Colourists, May 2020
ÖZEN I., Kordsa Global Buluş Ödülleri Teşekkür Sertifikası, Kordsa Global, June 2015

Non Academic Experience

Erciyes Üniversitesi Tekstil Mhendisliği Bölümü
Deakin Üniversitesi
Erciyes Üniversitesi Tekstil Muhendisligi Bolumu
Sabanci Üniversitesi Malzeme Bilimi ve Muhendisligi Programi
Stuttgart Üniversitesi Polimer Kimyasi Enstitusu
Yunsa A.S.
Ege Üniversitesi Tekstil Muhendisligi