Prof. YUSUF ULCAY

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Education Information

Doctorate, University of Maryland, College Park, Tekstil Bilimleri, United States Of America 1986 - 1989
Postgraduate, University of Maryland, College Park, Tekstil Bilimleri, United States Of America 1983 - 1986
Undergraduate Double Major, Bursa Uludağ University, Mühendislik-Mimarlık Fakültesi, Tekstil Mühendisliği Bölümü, Turkey 1977 - 1982

Foreign Languages

English, C1 Advanced

Research Areas

Textile Materials, Composites, Medical Applications of Polymers

Academic Titles / Tasks

Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, TEKSTİL MÜHENDİSLİĞİ, 2005 - Continues
Associate Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, TEKSTİL MÜHENDİSLİĞİ, 1992 - 2005
Assistant Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, TEKSTİL MÜHENDİSLİĞİ, 1991 - 1992

Academic and Administrative Experience

Head of Department, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, 2018 - Continues
Dean, Bursa Uludağ University, SPOR BİLİMLERİ FAKÜLTESİ, 2018 - 2019
Rector, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, TEKSTİL MÜHENDİSLİĞİ, 2015 - 2019
Dean, Bursa Uludağ University, İNEGÖL İŞLETME FAKÜLTESİ, 2018 - 2018
Dean, Bursa Uludağ University, HUKUK FAKÜLTESİ, 2016 - 2018
Dean, Bursa Uludağ University, VETERİNER FAKÜLTESİ, 2016 - 2016
Head of Department, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, TEKSTİL MÜHENDİSLİĞİ, 2008 - 2011

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Usage of Barium Titanate in Fabric Coating and Investigation of Some Properties**
ÇELEN R., MANASOĞLU G., ULCAY Y., KANIK M.
FIBERS AND POLYMERS, vol.22, no.5, pp.1296-1303, 2021 (SCI-Expanded)

II. **Polyester Yarns Reinforced by Nanoclays**
Hojiyev R., ULCAY Y.
POLYMER SCIENCE SERIES A, vol.63, no.3, pp.318-333, 2021 (SCI-Expanded)

III. **An Investigation on the Thermal and Solar Properties of Graphene-Coated Polyester Fabrics**
MANASOĞLU G., ÇELEN R., KANIK M., ULCAY Y.
COATINGS, vol.11, no.2, 2021 (SCI-Expanded)

IV. **Investigation of Electromagnetic Shielding and Solar Properties of Woven Fabrics made by Barium titanate/Polyester Bicomponent Yarns**
ÇELEN R., ULCAY Y.
TEKSTIL VE KONFEKSIYON, vol.30, no.4, pp.251-261, 2020 (SCI-Expanded)

V. **Poly(ethylene terephthalate)-Clay Nanocomposite Multifilament Yarn: Physical and Thermal Properties**
Hojiyev R., ULCAY Y., Çelik M. S.
POLYMER SCIENCE SERIES A, vol.62, no.4, pp.392-406, 2020 (SCI-Expanded)

VI. **Electrical resistivity and thermal conductivity properties of graphene-coated woven fabrics**
Manasoglu G., ÇELEN R., KANIK M., ULCAY Y.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.136, no.40, 2019 (SCI-Expanded)

VII. **Influence of sea polymer removal on sound absorption behavior of islands-in-the-sea spunbonded nonwovens**
SÜVARİ F., ULCAY Y., Pourdeyhimi B.
TEXTILE RESEARCH JOURNAL, vol.89, no.12, pp.2444-2455, 2019 (SCI-Expanded)

VIII. **Investigating electromagnetic shielding effectiveness of knitted fabrics made by barium titanate/polyester bicomponent yarn**
ÇELEN R., ULCAY Y.
JOURNAL OF ENGINEERED FIBERS AND FABRICS, vol.14, 2019 (SCI-Expanded)

IX. **Synthesis and in vitro antimicrobial characterization of Boron-PVA Electrospun nanofibers**
Isik A. F., Keskin N. O. S., ULCAY Y.
JOURNAL OF THE TEXTILE INSTITUTE, vol.110, no.4, pp.575-580, 2019 (SCI-Expanded)

X. **Development of a clay-polymer compatibility approach for nanocomposite applications**
Hojiyev R., ULCAY Y., Çelik M. S.
APPLIED CLAY SCIENCE, vol.146, pp.548-556, 2017 (SCI-Expanded)

XI. **Hydrophobicity and polymer compatibility of POSS-modified Wyoming Na-montmorillonite for developing polymer-clay nanocomposites**
Hojiyev R., Ulcay Y., Hojamberdiev M., Çelik M. S., Carty W. M.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.497, pp.393-401, 2017 (SCI-Expanded)

XII. **Effect of CEC coverage of hexadecyltributylphosphonium modified montmorillonite on polymer compatibility**
Hojiyev R., ULCAY Y., Çelik M. S., Carty W. M.
APPLIED CLAY SCIENCE, vol.141, pp.204-211, 2017 (SCI-Expanded)

XIII. **Preparation and textile application of poly(methyl methacrylate-co-methacrylic acid)/n-octadecane and n-eicosane microcapsules**
ALAY AKSOY S., ALKAN C., Tozum M. S., Demirbag S., Anayurt R. A., ULCAY Y.
JOURNAL OF THE TEXTILE INSTITUTE, vol.108, no.1, pp.30-41, 2017 (SCI-Expanded)

XIV. **Comparing the Prediction Capabilities of Artificial Neural Network (ANN) and Nonlinear Regression Models in Pet-Poy Yarn Characteristics and Optimization of Yarn Production Conditions**
YILDIRIM K., ÖĞÜT H., ULCAY Y.
JOURNAL OF ENGINEERED FIBERS AND FABRICS, vol.12, no.3, pp.7-16, 2017 (SCI-Expanded)

XV. **Sound absorption analysis of thermally bonded high-loft nonwovens**

SÜVARİ F., ULCAY Y., Pourdeyhimi B.
TEXTILE RESEARCH JOURNAL, vol.86, no.8, pp.837-847, 2016 (SCI-Expanded)

XVI. **PRODUCTION OF BI-COMPONENT POLYESTER FIBRES FOR EMR (ELECTROMAGNETIC RADIATION) PROTECTION AND EXAMINING EMR SHIELDING CHARACTERISTICS**
EREN S., ULCAY Y.
TEKSTIL VE KONFEKSIYON, vol.25, no.2, pp.140-147, 2015 (SCI-Expanded)

XVII. **An experimental study and model development of poly(ethylene terephthalate) yarn morphology**
YILDIRIM K., ULCAY Y.
E-POLYMERS, vol.14, no.2, 2014 (SCI-Expanded)

XVIII. **Acoustical absorptive properties of spunbonded nonwovens made from islands-in-the-sea bicomponent filaments**
SÜVARİ F., ULCAY Y., Maze B., Pourdeyhimi B.
JOURNAL OF THE TEXTILE INSTITUTE, vol.104, no.4, pp.438-445, 2013 (SCI-Expanded)

XIX. **Influence of Stitching Parameters on Tensile Strength of Aramid/Vinyl Ester Composites**
KARAHAN M., ULCAY Y., KARAHAN N., KUŞ A.
MATERIALS SCIENCE-MEDZIAGOTYRA, vol.19, no.1, pp.67-72, 2013 (SCI-Expanded)

XX. **Investigation into the Tensile Properties of Stitched and Unstitched Woven Aramid/Vinyl Ester Composites**
KARAHAN M., KARAHAN N., ULCAY Y., EREN R., Kaynak G.
TEXTILE RESEARCH JOURNAL, vol.80, no.10, pp.880-891, 2010 (SCI-Expanded)

XXI. **Forming Regression-based Mathematical Models to Predict PET POY Yarn Properties in the Case of Changing Production Parameters**
Yildirim K., ULCAY Y., KOPMAZ O.
TEXTILE RESEARCH JOURNAL, vol.80, no.5, pp.411-421, 2010 (SCI-Expanded)

XXII. **THE EFFECT OF FIRST HEATER TEMPERATURE ON THE PROPERTIES OF FALSE-TWIST TEXTURED POLY (ETHYLENE TERAPTHALATE) YARN**
Yildirim K., Altun S., ULCAY Y.
TEKSTIL VE KONFEKSIYON, vol.19, no.4, pp.286-290, 2009 (SCI-Expanded)

XXIII. **Influence of melt spinning conditions on dye uptake of poly(ethylene terephthalate) fibres**
Yildirim K., Altun S., KANIK M., ULCAY Y.
COLORATION TECHNOLOGY, vol.125, no.3, pp.151-154, 2009 (SCI-Expanded)

XXIV. **Relationship between Yarn Properties and Process Parameters in False-Twist Textured Yarn**
Yildirim K., Altun S., ULCAY Y.
JOURNAL OF ENGINEERED FIBERS AND FABRICS, vol.4, no.2, pp.26-32, 2009 (SCI-Expanded)

Articles Published in Other Journals

I. **Bikomponent Lifler**
ÇELEN R., ULCAY Y.
Tekstil ve Mühendis, vol.26, no.114, pp.177-187, 2019 (Scopus)

II. **BARYUM TİTANATIN TEKSTİLDE ELEKTROMANYETİK KALKANLAMA UYGULAMALARINDA KULLANIMI**
ÇELEN R., ULCAY Y.
Uludağ University Journal of The Faculty of Engineering, vol.23, no.2, 2018 (Peer-Reviewed Journal)

III. **Investigation of Performance Properties of Graphene Coated Fabrics**
ÇELEN R., MANASOĞLU G., KANIK M., ULCAY Y.
International Journal of Modern Research in Engineering and Technology, 2018 (Peer-Reviewed Journal)

IV. **Textile Arterial Grafts**
EREN S., ULCAY Y.
Electronic Journal of Textile Technologies, vol.4, no.1, pp.35-47, 2010 (Peer-Reviewed Journal)

V. **Endüstriyel atık akışkanların ülke ekonomisine katkısının irdelenmesi**
Etemoğlu A. B., Can M., Ulcay Y.
Standard, vol.2006, pp.62-69, 2006 (Peer-Reviewed Journal)

VI. **Ameliyat İpliklerinin Kullanım Özellikleri**
Ulcay Y., Karaca E.
Tekstil & Teknik, vol.107, pp.104-106, 1993 (Non Peer-Reviewed Journal)

VII. **Ameliyat İpliklerinin Gelişimi, Hammadde ve Özellikleri**
Ulcay Y., Karaca E.
Tekstil & Teknik, vol.106, pp.101-106, 1993 (Non Peer-Reviewed Journal)

Books & Book Chapters

I. **İnşaat Teknik Tekstilleri (Buildtech)**
SÜVARİ F., ULCAY Y.
in: Teknik Tekstil 2011 Frankfurt Fuarı Teknolojik Değerlendirme Raporu, Yusuf Ulcay, Şengül Teke, Gülsüm Uygun Sezen, Editor, Uludağ İhracatçı Birlikleri BUTEKOM, Bursa, pp.20-30, 2012

II. **ITMA 2011 Fuarında Sergilenen Dokusuz Yüzey Makineleri ve Teknolojik Gelişmeler**
SÜVARİ F., ULCAY Y.
in: ITMA 2011 Uluslararası Tekstil Makineleri Fuarı Teknolojik Değerlendirme Raporu, Yusuf Ulcay, Şengül Teke, Gülsüm Uygun Sezen, Editor, Uludağ İhracatçı Birlikleri BUTEKOM, Bursa, pp.58-63, 2012

Refereed Congress / Symposium Publications in Proceedings

I. **Reducing noise level in vehicles by spunbonded nonwovens made from bicomponent filaments**
SÜVARİ F., ULCAY Y., Maze B., Pourdeyhimi B.
2013 Spring Technical Conference of the Fiber Society, Geelong, Australia, 22 - 24 May 2013

II. **Sound Absorption Behaviour of Multi-layer Islands in the Sea Nonwovens**
SÜVARİ F., ULCAY Y., Pourdeyhimi B.
5th International Technical Textiles Congress-2012, İzmir, Turkey, 7 - 09 November 2012, pp.1-5

III. **On the design method of lightweight construction materials: Structural characteristics-tearing strength relationship**
SÜVARİ F., ULCAY Y.
Fiber Society 2012 Fall Meeting and Technical Conference in Partnership with Polymer Fibers 2012: Rediscovering Fibers in the 21st Century, Massachusetts, United States Of America, 7 - 09 November 2012

IV. **Sound absorptive nonwovens for indoor structures**
SÜVARİ F., ULCAY Y., Pourdeyhimi B.
2012 Spring Conference of the Fiber Society, St. Gallen, Switzerland, 23 - 25 May 2012

V. **Experimental Investigation Into Sound Absorptive Properties of PET/PP High Loft Nonwovens**
SÜVARİ F., ULCAY Y.
International Congress of Innovative Textiles ICONTEX 2011, İstanbul, Turkey, 20 - 22 October 2011, pp.368-373

Metrics

Publication: 82
Citation (WoS): 263
Citation (Scopus): 460
H-Index (WoS): 10
H-Index (Scopus): 13

Non Academic Experience

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