

Prof. BURCU YILMAZ

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAC-4064-2019

ScopusID: 37006189600

Yoksis Researcher ID: 55776

Education Information

Undergraduate, Bursa Uludağ University, Mühendislik Fakültesi, Tekstil Mühendisliği, Turkey 2020 - 2022

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Tekstil Eğitimi (Dr), Turkey 2004 - 2010

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Tekstil Eğitimi (YI) (Tezli), Turkey 2002 - 2004

Undergraduate, Marmara University, Faculty of Technical Education, Textile Education, Turkey 1997 - 2001

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Selülozik Elyaf İçeren Materyallerin Çevre Dostu Yöntemlerle Boyanması, Marmara Üniversitesi, Institute for Graduate Studies in Pure and Applied Sciences, Tekstil Eğitimi (Dr), 2010

Postgraduate, Selülozik Materyallerin Tek Banyoda Kombine Proses İle Boyanmasında Optimizasyon, Marmara Üniversitesi, Institute for Graduate Studies in Pure and Applied Sciences, Tekstil Eğitimi (YI) (Tezli), 2004

Research Areas

Textile Engineering and Technology, Engineering and Technology

Academic Titles / Tasks

Professor, Marmara University, Faculty of Technology, Textile Engineering, 2020 - Continues

Associate Professor, Marmara University, Faculty of Technology, Textile Engineering, 2015 - 2020

Associate Professor, Marmara University, Faculty of Technical Education, Textile Education, 2013 - 2015

Research Assistant PhD, Marmara University, Faculty of Technical Education, Textile Education, 2010 - 2013

Research Assistant, Marmara University, Faculty of Technical Education, Textile Education, 2002 - 2010

Academic and Administrative Experience

Fakülte Kurulu Üyesi, Marmara University, Faculty of Technical Education, Textile Education, 2013 - 2015

Marmara University, Faculty of Technical Education, 2013 - 2015

Marmara University, Faculty of Technical Education, Textile Education, 2010 - 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Dyeing of Sponge Gourd by Different Methods**
YILMAZ ŞAHİNBAŞKAN B.
Journal Of Natural Fibers, 2019 (SCI-Expanded)
- II. **Dyeing of silk fabric with natural dyes extracted from cochineal (*Dactylopius coccus* Costa) and gall oak (*Quercus infectoria* Olivier)**
YILMAZ ŞAHİNBAŞKAN B., Karadag R., Torgan E.
JOURNAL OF NATURAL FIBERS, vol.15, no.4, pp.559-574, 2018 (SCI-Expanded)
- III. **Dyeing of Polypropylene Blends by Using Microwave Energy**
YILMAZ ŞAHİNBAŞKAN B., KOÇAK E. D., Merdan N., Akalin M.
JOURNAL OF ENGINEERED FIBERS AND FABRICS, vol.12, no.2, pp.20-27, 2017 (SCI-Expanded)
- IV. **Woolen Fabric Dyeing with *Punica granatum* L. Rind by Using Different Mordants**
ÖZGÜR M., Acikgoz Z. O., YILMAZ ŞAHİNBAŞKAN B., GÜMRÜKÇÜ KÖSE G.
ASIAN JOURNAL OF CHEMISTRY, vol.25, no.4, pp.1956-1964, 2013 (SCI-Expanded)
- V. **Investigation on colour, fastness properties and HPLC-DAD analysis of silk fibres dyed with *Rubia tinctorium* L. and *Quercus ithaburensis* Decaisne**
Deveoglu O., YILMAZ ŞAHİNBAŞKAN B., Torgan E., Karadag R.
COLORATION TECHNOLOGY, vol.128, no.5, pp.364-370, 2012 (SCI-Expanded)
- VI. **Dyeing Properties of Bamboo Cotton Blended Yarns By Single Bath Combined Process**
YILMAZ ŞAHİNBAŞKAN B.
ASIAN JOURNAL OF CHEMISTRY, vol.24, pp.1638-1642, 2012 (SCI-Expanded)
- VII. **A new process of combined pretreatment and dyeing: REST**
ÖNER E., YILMAZ ŞAHİNBAŞKAN B.
JOURNAL OF CLEANER PRODUCTION, vol.19, no.14, pp.1668-1675, 2011 (SCI-Expanded)
- VIII. **Dyeing Properties and Analysis by RP HPLC DAD of Silk Fibers Dyed with *Weld Reseda luteola* L and *Walloon Oak Quercus ithaburensis* Decaisne**
DEVEOĞLU O., EMİNE T., YILMAZ ŞAHİNBAŞKAN B., KARADAĞ R.
ASIAN JOURNAL OF CHEMISTRY, vol.23, pp.5441-5446, 2011 (SCI-Expanded)
- IX. **Desizing of untreated cotton fabric with the conventional and ultrasonic bath procedures by immobilized and native alpha-amylase**
YILMAZ ŞAHİNBAŞKAN B., Kahraman M. V.
STARCH-STARKE, vol.63, no.3, pp.154-159, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Pamuklu Kumaşın Bentonit ile Ağartma Proses Parametrelerinin Taguchi Yöntemi ile Optimizasyonu**
ÖZBEY G., ERDOĞMUŞ E., YILMAZ ŞAHİNBAŞKAN B.
Bartın Üniversitesi Mühendislik ve Teknoloji Bilimleri Dergisi, vol.7, no.2, 2019 (Peer-Reviewed Journal)
- II. **Kenevir Dokuma Kumaşa Enzimatik Ön İşlemlerin Etkisi (Effect of Enzymatic Pre-treatments on Hemp Woven Fabric)**
YILMAZ ŞAHİNBAŞKAN B.
International Journal of Advances in Engineering and Pure Science, vol.31, no.3, pp.208-213, 2019 (Peer-Reviewed)

Journal)

- III. **Pamuklu Örme Kumaşların Reaktif Boyarmaddeler ile Boyanmasına Mikrodalga Enerjisi Yardımı ile Uygulanan Enzimatik Ön İşlemlerin Etkisi**
ÖZGEN H., CİHANGİROVA M., YILMAZ ŞAHİNBAŞKAN B.
Bartın Üniversitesi Uluslararası Fen Bilimleri Dergisi, vol.1, pp.65-72, 2018 (Peer-Reviewed Journal)
- IV. **Studies on Mechanical Performance of Cynara Scolymus / Polyethylene terephthalate Nonwoven Composites**
İzgi A. A., KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B., MERDAN N.
Selçuk Teknik, Özel Sayı (ICENTE'17), pp.107-116, 2018 (Peer-Reviewed Journal)
- V. **Effect of Microwave Energy on Disperse Dyeability of Polypropylene Fibers**
KOÇAK E. D., AKALIN M., MERDAN N., YILMAZ ŞAHİNBAŞKAN B.
Marmara Journal of Pure and Applied Sciences, pp.27-31, 2015 (Peer-Reviewed Journal)
- VI. **The Effect of Ultrasonic Treatment on Dyeing Properties of Luffa cylindrica Fibers**
YILMAZ ŞAHİNBAŞKAN B.
Marmara Journal of Pure nad Applied Sciences, pp.74-77, 2015 (Peer-Reviewed Journal)
- VII. **Effect of UV Absorbers On Cotton Fabrics**
Merdan N., Koçak E. D., Yılmaz Şahinbaşkan B., Yüksek M.
Advances in Environmental Biology, vol.6, pp.2151-2157, 2012 (Peer-Reviewed Journal)
- VIII. **Effects of UV Absorbers on Cotton Fabrics**
KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B., MERDAN N., YÜKSEK M.
Advances in Environmental Biology, vol.6, pp.2151-2157, 2012 (Peer-Reviewed Journal)
- IX. **Investigation on Colour and Fastness Properties of Wool Fabrics with Colour Obtained From The Flowers of The Papaver Rhoeas L Common Poppy**
MERDAN N., SAÇLIOĞLU M. Z., KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B.
Advances in Environmental Biology, vol.6, pp.750-755, 2012 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Sound Absorption Performance of Okra (Abelmoschus esculentus L.) Waste Fibers**
KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B., Ardiç B., İzgi A. A.
Lambert Academic Publishing, 2018
- II. **.**
KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B.
LAP LAMBERT Academic Publishing, 2018
- III. **Fiber Extraction from Okra Plant Agricultural Wastes, Their Characterizations and Surface Modifications by Environmental Methods**
KOÇAK E. D., MERDAN N., MISTIK S. İ., YILMAZ ŞAHİNBAŞKAN B.
in: Sustainable Innovations in Textile Fibres, Subramanian Senthilkannan Muthu, Editor, Springer, Singapore, pp.53-80, 2018
- IV. **Sustainable Nonwoven Products From Raising Wastes For Automotive Industry**
Erdal S., Akay D., KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B.
in: Current Academic Studies in Engineering Sciences, Serdar Salman, Rıdvan Karapınar, Duygu Kavak, Ali Kılıçer, Editor, Gece Kitaplığı, pp.1479-1490, 2018
- V. **Colour Fastness Standarrd Test Methods For Textiles**
YILMAZ ŞAHİNBAŞKAN B.
in: Research on Science and Art in 21 st Century Turkey, Arapgirlioglu H, Atık A, Elliott R.L, Turgeon E, Editor, Gece Publishing, Ankara, pp.2202-2208, 2017
- VI. **Application of Enzymes in Synthetic Textile Fibers**
YILMAZ ŞAHİNBAŞKAN B.
in: Researchs on Science and Art in 21 st Century Turkey, Arapkirlioglu H, Atık A, Elliot R.L, Turgeon E, Editor, Gece

Refereed Congress / Symposium Publications in Proceedings

- I. **A Comparative Study on Microwave Assisted Dyeing Properties of Conventional and Recycled Polyester Fabrics**
Dulek Y., Yildiran I., Sevinc B., Mert E., YILMAZ B., KUT Y. D.
International Conference on Research in Engineering, Technology and Science, ICRETS 2023, Budapest, Hungary, 6 - 09 July 2023, vol.23, pp.300-306
- II. **Electromagnetic Shielding Effectiveness and Tensile Strength Performance of Carbon Nano Tube Additives in Paper Making**
ÖZDEN Ö., YILMAZ ŞAHİNBAŞKAN B., YILDIZ Z.
NANOTR15, 3 - 06 November 2019, pp.28
- III. **Microwave-assisted Enzymatic Treatments of Cotton Knits**
YILMAZ ŞAHİNBAŞKAN B., Cihangirova M., ÖZGEN H.
AUTEX 2019, Ghent, Belgium, 11 - 15 June 2019
- IV. **Waterproof Breathable Functional Applications for Polyester Fabric**
GÜLCAN E., YILMAZ D., ÇETİNOĞLU F., BÜKÜLMEZER K., YILMAZ ŞAHİNBAŞKAN B.
ICONTEX 2019, ÇORLU, Turkey, 17 - 18 April 2019
- V. **Dyeing of Polyester Containing Elastane**
GÜLCAN E., YILMAZ D., EMEKLİOĞLU B., YILMAZ ŞAHİNBAŞKAN B.
4th International Scientific Research Congress, Yalova, Turkey, 14 - 17 February 2019
- VI. **Endüstriyel Bitim İşlemleri- Nano Hibrit Kaplama İle Dış Mekan Tekstil Ürünlerinin Çalışılması**
sütçüler c., izgi a. a., KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B.
V. Uluslararası Multidisipliner Çalışmaları Sempozyumu (ISMS), Ankara, Turkey, 16 - 17 November 2018, pp.317
- VII. **Otomotiv Endüstrisi İ' çin Şardon Atıklarından Sürdürülebilir Dokusuz Yüzey Eldesi**
erdal s., akay d., KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B.
V. Uluslararası Multidisipliner Çalışmaları Sempozyumu (ISMS), Ankara, Turkey, 16 - 17 November 2018, pp.422
- VIII. **Industrial Applications for Sustainable One-bath Pre-treatment and Dyeing of Lyocell Fabrics**
Gülcan E., Yılmaz D., Yıldırım N. S., Emeklioglu B., YILMAZ ŞAHİNBAŞKAN B.
IMSEC 2018, 24 - 27 October 2018
- IX. **Colouration of Polyamide Fabrics with Carthamus tinctorius L. Materials**
YILMAZ ŞAHİNBAŞKAN B., ÖZGÜR M., GÖKSU A.
1st International Congress of Usage of High Technology in Arts (ICUHTA), İstanbul, Turkey, 19 - 20 April 2018
- X. **Improvement of Hydrophilicity and Water/Oil Repellency of Polyester Fabrics**
Yılmaz Şahinbaşkan B., Öner E., Aydoğan T.
91st Textile Institute World Conference (TIWC 2018), Leeds, United Kingdom, 23 - 26 July 2018
- XI. **Influence of Ultrasonic Energy on Thermal Conductivity of Enzymatic Treated Agriculture Fibers**
ARDIÇ B., MERDAN N., KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B.
AUTEX 2018 World Textile Conference, 20 - 22 June 2018
- XII. **Thermal Conductivities of Nonwoven Product From Enzymatic Treated Agricultural Okra Waste**
YILMAZ ŞAHİNBAŞKAN B., KOÇAK E. D., İzgi A. A., Ardiç B.
7. International Conference on Advanced Technologies (ICAT 2018), Antalya, Turkey, 28 - 30 April 2018
- XIII. **Ultrasonic Assisted Surface Treatment of Okra Fibers**
MERDAN N., KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B., MISTIK S. İ., ARDIÇ B.
ETT2018 8th International Istanbul Textile Conference, 14 - 16 April 2018
- XIV. **INVESTIGATION OF SOUND ABSORPTION PROPERTIES OF OKRANONWOVEN MATERIALS**
izgi a. a., KOÇAK E. D., ardiç b., MISTIK S. İ., YILMAZ ŞAHİNBAŞKAN B.
ICENTE 2017, Konya, Turkey, 7 - 09 December 2017
- XV. **Investigation of Sound Absorption Properties of Okra Nonwoven Materials**

- İzgi A. A., KOÇAK E. D., MISTIK S. İ., Ardiç B., YILMAZ ŞAHİNBAŞKAN B.
International Conference on Engineering Technologies (ICENTE 2017), 7 - 09 December 2017, pp.598-601
- XVI. **Studies on Mechanical OPerformance of Cynara Scolymus PET Nonwoven Composites**
izgi a. a., KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B., MISTIK S. İ., ardıç b.
ICENTE 2017, Konya, Turkey, 7 - 09 December 2017
- XVII. **Investigation of Mechanical Properties of Platanus Orientalis L. / Polyethylene Terephthalate Nonwoven Composite Materials**
Kızılkaya S., YILMAZ ŞAHİNBAŞKAN B., MISTIK S. İ., İzgi A. A.
International Conference on Engineering Technologies (ICENTE 2017), 7 - 09 December 2017, pp.594-597
- XVIII. **Studies on Mechanical Performance of Cynara Scolymus PET Nonwoven Composites**
İzgi A. A., KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B., MERDAN N., Ardiç B.
International Conference on Engineering Technologies (ICENTE 2017), 7 - 09 December 2017, pp.602-605
- XIX. **Dyeing of Polyamide Fabric with Rubia tinctorium L. Using Different Mordants**
YILMAZ ŞAHİNBAŞKAN B., GÖKSU A., ÖZGÜR M.
ICENS 2017, 3 - 07 May 2017
- XX. **Comparative Properties of Polyolefin Fibers in Dyeing with Conventional and Microwave Heating Methods**
YILMAZ ŞAHİNBAŞKAN B., NAYCI DUMAN M., KOÇAK E. D.
ICENS 2017, 3 - 07 May 2017
- XXI. **Çevre Dostu Yöntemler Yardımı ile Selülozik Materyallerin Hidrofilileştirilmesi**
YILMAZ ŞAHİNBAŞKAN B., ÖNER E.
12. Ulusal Kimya Mühendisliği Kongresi, Turkey, 23 - 26 August 2016
- XXII. **Single Bath Combined Dyeing of Untreated Cotton Fabric Using Ultrasonic Energy**
YILMAZ ŞAHİNBAŞKAN B.
XIII. International Izmir Textile and Apparel Symposium, Antalya, Turkey, 2 - 05 April 2014
- XXIII. **Ecological Surface Modification of Lignocellulosic Fibers Obtained From Arundo Donax L Plant**
Mistik S. İ., Ovalı S., Koçak E. D., Merdan N., Yılmaz Şahinbaşkan B., Kayar M.
6th International Technical Textiles Congress, İzmir, Turkey, 14 - 16 October 2015, pp.311-312
- XXIV. **Investigation of Mechanical Properties of Platanus Orientalis L Seed Fiber Polypropylene Nonwoven Composites**
KOÇAK E. D., MERDAN N., YILMAZ ŞAHİNBAŞKAN B., MISTIK S. İ., AKALIN M.
6th International Technical Textiles Congress, İzmir, Turkey, 14 - 16 October 2015, pp.333-334
- XXV. **Ecological Surface Modification on Lignocellulosic Fibers Obtained From Arundo Donax L Plant**
MISTIK S. İ., OVALI S., KOÇAK E. D., MERDAN N., YILMAZ ŞAHİNBAŞKAN B., KAYAR M.
6 th International Technical Textile Congress, 14 - 16 October 2015
- XXVI. **Conventional Dyeing of 100 Silk Fabrics with Natural Dye Extracted From Dactylopius Costa and Quercus infectoria Olivier**
YILMAZ ŞAHİNBAŞKAN B., KARADAĞ R., TORGAN E.
AUTEX 2015, Bükreş, Romania, 10 - 12 June 2015
- XXVII. **Effects of Different Mordants on Dyeing of Wool Fabric with Some Red Rose Petals**
ÇİMEN E., DEMİRELLİ M., YILMAZ ŞAHİNBAŞKAN B.
AUTEX 2015, Bükreş, Romania, 10 - 12 June 2015
- XXVIII. **Dyeability of Silk Fabric with Dactylopius coccus Costa and Quercus infectoria Olivier**
YILMAZ ŞAHİNBAŞKAN B., KARADAĞ R., EMİNE T.
International Conference on Engineering and Natural Science, Üsküp, Macedonia, 15 - 19 May 2015
- XXIX. **Natural Dyeing on Woollen Fabric Using Some Red Rose Petals**
ÇİMEN E., DEMİRELLİ M., YILMAZ ŞAHİNBAŞKAN B., ÖZGÜR M.
International Conference on Engineering and Natural Science, Üsküp, Macedonia, 15 - 19 May 2015
- XXX. **Dyeing of Polypropylene Based Textile Materials with Different Methods**
KOÇAK E. D., AKALIN M., MERDAN N., YILMAZ ŞAHİNBAŞKAN B.
International Textile Submit 2, Kahramanmaraş, Turkey, 22 - 24 October 2014

- XXXI. **Effect of Microwave Energy on Disperse Dyeability of Polypropylene Fibers**
KOÇAK E. D., AKALIN M., MERDAN N., YILMAZ ŞAHİNBAŞKAN B.
6 th International Istanbul Textile Conference on Future Technical Textiles, Turkey, 15 - 17 October 2014
- XXXII. **The Effect of Ultrasonic Treatment on Dyeing Properties of Luffa cylindrica Fibers**
YILMAZ ŞAHİNBAŞKAN B.
6 th International Istanbul Textile Conference on Future Technical Textiles, 15 - 17 October 2014
- XXXIII. **Karbon Nanotüp Katkılı Kağıtların Işık Haslık Özelliklerinin İncelenmesi**
ÖZDEN Ö., YILMAZ ŞAHİNBAŞKAN B.
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019
- XXXIV. **APPLICATION OF NANO SOFTENERS ON 97% / 3% COTTON/LYCRA FABRICS KNITTED BY VORTEX AND RING SPUN YARNS**
Öner E., Yılmaz Şahinbaşkan B., Atak O., Capar M.
International Conference TEX TEH 3 on Application of Nanotechnologies for Textiles, Bucharest, Romania, 7 - 08 October 2010, pp.54-61
- XXXV. **DYEING PROPERTIES OF WOOLLEN FABRIC WITH QUERCETIN EXTRACTED FROM PUNICA GRANATUM L. RIND USING DIFFERENT DYEING METHOD AND MORDANT MIXTURES**
YILMAZ ŞAHİNBAŞKAN B., Oğutgen Acikgoz Z., GÜMRÜKÇÜ KÖSE G., Ustun Ozgur M.
5th International Textile, Clothing and Design Conference, Dubrovnik, Croatia, 3 - 06 October 2010, pp.433-438

Metrics

Publication: 80
Citation (WoS): 111
Citation (Scopus): 141
H-Index (WoS): 5
H-Index (Scopus): 4

Non Academic Experience

BİLİM SANAYİ VE TEKNOLOJİ BAKANLIĞI
TÜBİTAK
BİLİM SANAYİ VE TEKNOLOJİ BAKANLIĞI