

Assoc. Prof. Umut Kıvanç Şahin

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Biography

Umut Kivanc Sahin (male) is an Assistant Professor in the Faculty of Textile Technologies and Design of Istanbul Technical University. He received his B.Sc. and Ph.D. degrees in Textile Engineering with a focus on development, application and testing the effects of novel chemistries on textile materials. He is an expert in textile materials and chemicals testing. He is the Manager of Textile Research and Quality Control Laboratory since 2013. In 2016, he was the Vice Dean at the Faculty of Textile Technologies and Design (Istanbul Technical University). His area of research activities includes chemical treatment of smart and e-textiles, testing of materials, and design of novel chemicals for textile applications. He participated in two international and ten national projects as a researcher, ten projects as an advisor, and six national projects as the coordinator. He has 25 international journal papers and 51 international conference presentations.

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği (Dr), Turkey 2003 - 2009

Postgraduate, Istanbul Technical University, Tekstil Teknolojileri Ve Tasarımı Fakültesi, Tekstil Mühendisliği Bölümü, Turkey 1999 - 2003

Undergraduate, Istanbul Technical University, Tekstil Teknolojileri Ve Tasarımı Fakültesi, Tekstil Mühendisliği Bölümü, Turkey 1995 - 1999

Foreign Languages

English

Dissertations

Doctorate, Ionic crosslinking of cotton fabrics to improve wrinkle recovery, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2009

Postgraduate, Pektınaz enzimleriyle pamuklu tekstil ürünlerinin ön terbiye işlemlerinin yapılması, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2003

Research Areas

Textile Engineering and Technology, Textile Materials, Textile Chemistry, Cloth Technology, Dye Finishing Technology, Textile Quality Control, Technical Textiles, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Istanbul Technical University, Tekstil Teknolojileri Ve Tasarımı Fakültesi, Tekstil Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Istanbul Technical University, Tekstil Teknolojileri Ve Tasarımı Fakültesi, Tekstil Mühendisliği Bölümü, 2009 - 2018

Research Assistant, Istanbul Technical University, Tekstil Teknolojileri Ve Tasarımı Fakültesi, Tekstil Mühendisliği Bölümü, 2001 - 2009

Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, 2015 - 2019

İstanbul Teknik Üniversitesi, Tekstil Teknolojileri Ve Tasarımı Fakültesi, 2016 - 2016

Courses

ADVANCED TOPICS IN TEXTILE FINISHING, Doctorate, 2022 - 2023

Fire Retardant Textiles, Postgraduate, 2022 - 2023

ECOFRIENDLY TEXTILE DYEING AND FINISHING, Postgraduate, 2022 - 2023

FLAME RETARDANCY IN TEXTILE MATERIALS, Postgraduate, 2022 - 2023

Experimental Design in Textile Researches, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Advanced Characterization and Testing of Textiles , Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

REACTIVE DYEING OF COTTON KNITTED FABRICS, Doctorate, 2022 - 2023

Quality Control and Testing of Technical Textiles, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Computer Aided Print Design, Undergraduate, 2021 - 2022

E-Textiles&Wearable Computer Systems, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Environmental Chemistry, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

TEXTILE CHEMISTRY, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

AUXILIARIES IN TEXTILE FINISHING, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

TEXTILE FINISHING PROCESSES, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

INTRODUCTION TO COLORATION AND FINISHING PROCESSES, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014

INTRODUCTION TO TEXTILE ENGINEERING, Undergraduate, 2016 - 2017

ECOLOGY AND ENVIRONMENTAL PROBLEMS, Undergraduate, 2014 - 2015, 2013 - 2014

INTRODUCTION TO COMPUTER PROGRAMMING, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2009 - 2010

PROBABILITY AND STATISTICS, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

TEXTILE FINISHING, Undergraduate, 2012 - 2013

ÖN TERBİYE TEKNOLOJİSİ, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010

TEKSTİL TERBİYE YARDIMCI MADDELERİ, Undergraduate, 2009 - 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Functionalized polyvinyl alcohol nanofiber webs containing β -cyclodextrin/Vitamin C inclusion complex**
Okur N., Sarıçam C., Göcek İ., Kalav B., Şahin U. K.
Journal of Industrial Textiles, vol.50, pp.1559-1571, 2021 (SCI-Expanded)
- II. **Effects of yarn type, process history, softener type and concentration on wicking and drying properties of cotton plain knitted fabrics**
Duru S., Şahin U. K.
JOURNAL OF THE TEXTILE INSTITUTE, vol.111, no.8, pp.1166-1175, 2020 (SCI-Expanded)
- III. **Electromagnetic Shielding and Reflection Loss of Conductive Yarn Incorporated Woven Fabrics at the S and X Radar Bands**
Kurşun Bahadır S., Mitilineos S. A., Symeonidis S., Şahin U. K., Vassiliadis S., Kalaoğlu F., Goustouridis D., Stathopoulos N., Savvaidis S. P.
JOURNAL OF ELECTRONIC MATERIALS, vol.49, no.3, pp.1579-1587, 2020 (SCI-Expanded)
- IV. **Assessing Color Differences of Cotton Fabrics Made from Different Yarns After Abrasion**
Duru S., Açıkgöz Tufan H., Şahin U. K.
TEKSTİL VE KONFEKSİYON, vol.30, no.2, pp.108-116, 2020 (SCI-Expanded)
- V. **Measured Current Characteristics of Powered E-Textile Transmission Lines with Respect to Welding Process Parameters**
Kurşun Bahadır S., Şahin U. K.
TEKSTİL VE KONFEKSİYON, vol.29, no.2, pp.97-104, 2019 (SCI-Expanded)
- VI. **Modeling of surface temperature distributions on powered e-textile structures using an artificial neural network**
Bahadır S. K., Şahin U. K., Kiraz A.
TEXTILE RESEARCH JOURNAL, vol.89, no.3, pp.311-321, 2019 (SCI-Expanded)
- VII. **CHEMICAL TREATMENT OF CHICKEN FEATHER PRIOR TO USE AS FILLING MATERIAL**
ŞAHİN U. K.
Tekstil Ve Konfeksiyon, vol.28, pp.207-212, 2018 (SCI-Expanded)
- VIII. **An Easy and Accurate Method for Determining Degree of Substitution on Carboxymethylated Cotton Fabric**
ŞAHİN U. K.
Tekstil Ve Konfeksiyon, vol.28, pp.118-124, 2018 (SCI-Expanded)
- IX. **EFFECTS OF SOFTENER APPLICATIONS ON AIR AND WATER VAPOR PERMEABILITY OF COTTON KNITTED FABRICS PRODUCED WITH DIFFERENT YARNS**
ŞAHİN U. K., DURU S.
Tekstil Ve Konfeksiyon, vol.27, pp.275-282, 2017 (SCI-Expanded)
- X. **EFFECTS OF SOFTENER APPLICATIONS ON AIR AND WATER VAPOR PERMEABILITY OF COTTON KNITTED FABRICS PRODUCED WITH DIFFERENT YARNS**
Şahin U. K., Cimilli Duru S.
TEKSTİL VE KONFEKSİYON, vol.27, no.3, pp.275-282, 2017 (SCI-Expanded)
- XI. **Color and electrical resistance evaluation of cotton fabrics composed of stainless steel yarns treated with direct and reactive dyes**
Bahadır S., JEVSNIK S., FAKIN D., SAHIN U. K.
TEXTILE RESEARCH JOURNAL, vol.86, no.13, pp.1356-1371, 2016 (SCI-Expanded)
- XII. **A novel algorithm for easy-care laundering of linen fabrics: A cleaner solution to the wrinkling problem during care**
Arslan M. H., GOCEK İ., ACIKGOZ H., Şahin U. K., ERDEM I.
TEXTILE RESEARCH JOURNAL, vol.86, no.10, pp.1097-1108, 2016 (SCI-Expanded)
- XIII. **A study on easy-care laundering of linen fabrics**
Göcek İ., Şahin U. K., ERDEM I., NAMAL O., ACIKGOZ H.

- TEXTILE RESEARCH JOURNAL, vol.83, no.18, pp.1961-1973, 2013 (SCI-Expanded)
- XIV. **EFFECTS OF ALTERNATIVE PRE-TREATMENTS ON PERFORMANCE OF DURABLE PRESS FINISHED FABRIC**
GÜRSOY N. Ç., ARMAĞAN O. G., ŞAHİN U. K., Gül M.
Tekstil Ve Konfeksiyon, vol.20, pp.336-342, 2010 (SCI-Expanded)
- XV. **Farklı ön terbiye işlemlerinin buruşmaz kumaş performansına etkileri**
GÜRSOY N. Ç., ARMAĞAN O. G., Şahin U. K., Gül M.
Textile Research Journal, vol.20, no.4, pp.336-342, 2010 (SCI-Expanded)
- XVI. **Optimization of Ionic Crosslinking Process: An Alternative to Conventional Durable Press Finishing**
Şahin U. K., GURSOY N. Ç., Hauser P., Smith B.
TEXTILE RESEARCH JOURNAL, vol.79, no.8, pp.744-752, 2009 (SCI-Expanded)
- XVII. **Low temperature acidic pectinase scouring for enhancing textile quality**
Şahin U. K., GÜRSOY N. Ç.
AATCC REVIEW, vol.5, no.1, pp.27-30, 2005 (SCI-Expanded)
- XVIII. **Biological scouring of cotton using pectinase enzyme**
Şahin U. K., GÜRSOY N. Ç.
QUALITY TEXTILES FOR QUALITY LIFE, vol.1, no.4, pp.726-728, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effects of Anhydrous Enzymes Usage in Denim Washing on Fabric Tear Strength**
AÇIKGÖZ TUFAN H., EMEKDAR E., ŞAHİN U. K., Şensoy M., Tunalı Y., Güngör H.
European Journal of Science and Technology, no.32, pp.1203-1206, 2021 (Peer-Reviewed Journal)
- II. **One-step Easy-Care and Softening Finishing of Knitted Cotton Fabric**
ŞAHİN U. K., EMEKDAR E., AÇIKGÖZ TUFAN H., Dilden D. B., Yüksel M. F.
European Journal of Science and Technology, no.32, pp.1199-1202, 2021 (Peer-Reviewed Journal)
- III. **Effects of Binder Solution on Color Fastness of Digital Printed Cotton Fabric**
ŞAHİN U. K., AÇIKGÖZ H.
IOP Conference Series: Materials Science and Engineering, vol.460, pp.12038, 2018 (Peer-Reviewed Journal)
- IV. **A novel washing algorithm for underarm stain removal**
AÇIKGÖZ H., GÖCEK İ., ŞAHİN U. K., Erdem İ.
IOP Conference Series: Materials Science and Engineering, vol.254, no.8, pp.82001, 2017 (Peer-Reviewed Journal)
- V. **Effects of Home Laundering on Electrical Resistance of Signal Transmission Lines on Colored E-Textiles**
ŞAHİN U. K., KURŞUN BAHADIR S.
Journal of Energy and Power Engineering, vol.11, no.5, 2017 (Peer-Reviewed Journal)
- VI. **Improving Dyeability of Cotton Fabric with Juglans regia L. Natural Dyestuff**
Arslan M. H., Göcek I., Şahin U. K.
International Journal of Materials and Textile Engineering, vol.11, 2017 (Peer-Reviewed Journal)
- VII. **Modelling the Behavior of Commercial and Test Textiles against Laundering Process by Statistical Assessment of Their Performance**
Şahin U. K., ACIKGOZ H., GOCEK I., ERDEM I., ARSLAN M. H.
International Journal of Materials and Metallurgical Engineering, vol.2016, no.3, pp.925-930, 2016 (Peer-Reviewed Journal)
- VIII. **Obtaining Composite Cotton Fabric by Cyclodextrin Grafting**
Şahin U. K., Okur N., Sarıçam C., GOCEK I., ARSLAN M. H., ACIKGOZ H., Kalav B.
International Journal of Materials and Metallurgical Engineering, vol.2016, no.3, pp.946-963, 2016 (Peer-Reviewed Journal)
- IX. **A Laundry Algorithm for Colored Textiles**
Budak h. e., ARSLAN b., ÇAKMAKÇI n., GÖCEK İ., ŞAHİN U. K., ACIKGOZ H., ARSLAN m. h.

International Journal of Fashion and Textile Engineering, vol.10, 2016 (Peer-Reviewed Journal)

- X. **Yüksek karboksimetilasyon seviyesine ulaşmak için pamuklu kumaşlara uygulanan işlemlerin kıyaslanması**
ŞAHİN U. K., GÜRSOY N. Ç., HAUSER p., SMITH b.
itüdergisi/d mühendislik, vol.10, pp.139-145, 2011 (Peer-Reviewed Journal)
- XI. **Güneş Enerjisi Teknolojileri ve Tekstil Sektörü Ağırlıklı Bölgelerde Elektrik Üretimi için Güneş Enerjisi Kullanımı**
Seçkin C., Şahin U. K.
Tekstil Dünyası, vol.2010, no.4, pp.1-5, 2010 (Peer-Reviewed Journal)
- XII. **Tekstil Endüstrisinde Plazma Kullanımı**
Şahin U. K., Gürsoy N. Ç.
Tekstil & Teknik, vol.2006, no.5, pp.240-246, 2006 (Peer-Reviewed Journal)
- XIII. **Tekstil Endüstrisinde Kitin ve Kitosan Uygulamaları**
Şahin U. K., Gürsoy N. Ç.
Tekstil & Teknik, vol.2005, no.8, pp.176-182, 2005 (Peer-Reviewed Journal)
- XIV. **Tıpta Kitin ve Kitosan Uygulamaları**
Şahin U. K., Gürsoy N. Ç.
Medikal & Teknik, vol.2005, no.1, pp.106-115, 2005 (Peer-Reviewed Journal)
- XV. **Pektinaz Enzimiyle Pamuklu Örmeye Kumaşların Hidrofilileştirilmesi**
Şahin U. K., Gürsoy N. Ç.
Örmeye İhtisas, vol.2004, no.10, pp.1-5, 2004 (Peer-Reviewed Journal)
- XVI. **Vaks Tipinin ve Konsantrasyonunun Yünlü Kumaşların Dokuma Verimliliğine Etkileri**
Şahin U. K., Önder Karaoğlu E.
Tekstil & Teknik, vol.2004, no.10, pp.1-5, 2004 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **DYESTUFF ADSORBING NATURAL COMPOSITES FOR WASTEWATER TREATMENTS**
Şahin U. K.
in: ADVANCES IN TEXTILE WASTE WATER TREATMENTS, Muthu Subramanian Senthilkannan, Editor, Springer, London/Berlin , Kowloon, pp.103-133, 2021
- II. **A wearable heating system with a controllable e-textile-based thermal panel**
KURŞUN BAHADIR S., ŞAHİN U. K.
in: Wearable Technologies, Jesus Hamilton Ortiz, Editor, InTechOpen, Londrina, pp.175-194, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **Tekstil Yüzeylerine Ebru Uygulamasında Yenilikçi Bir Yaklaşım**
CANDAN C., NERGİS F. B., GÖCEK İ., ŞAHİN U. K.
İTÜ Ulusal Tekstil Kongresi ve II.Ar-Ge Günü, Akademi Sanayi Buluşması, Turkey, 11 - 12 November 2020
- II. **Elektronik Tekstil Uygulamalarında Kullanıma Yönelik Yüksek İletkenlik ve Esnekliğe Sahip Bir SEBS-Ni Kompozit Geliştirilmesi**
AÇIKGÖZ H., ŞAHİN U. K.
EEMKON 2019, İstanbul, Turkey, 14 - 16 November 2019
- III. **KATYONİK ATIK SULARIN ARITILMASI İÇİN TEKSTİL ATIKLARINDAN ÇEVRECİ KOMPOZİT ÜRETİMİ**
EMEKDAR E., ŞAHİN U. K.
Ulusal Çukurova Tekstil Kongresi-UÇTEK'2019, Adana, Turkey, 26 - 27 September 2019, pp.464-471
- IV. **Çift-Özlü İpliklerden Mamul Örmeye Kumaşların Esneme Davranışının İncelenmesi**
Bozırat M., Ayata Konukoğlu S., Çatak E., Batçık C., ŞAHİN U. K., KURŞUN BAHADIR S.

Ulusal Çukurova Tekstil Kongresi UÇTEK2019, Adana, Turkey, 26 - 27 September 2019, pp.18-23

- V. **ELEKTRONİK TEKSTİL UYGULAMALARINDA KULLANIMAYÖNELİK İLETKEN VE ESNEK BİR KOMPOZİT GELİŞTİRİLMESİ**
AÇIKGÖZ H., ŞAHİN U. K.
Ulusal Çukurova Tekstil Kongresi-UÇTEK'2019, Adana, Turkey, 26 - 27 September 2019, pp.355-360
- VI. **STEAM APPLICATION DURING LAUNDERING FOR DECREASING WRINKLING OF SHIRTS**
AÇIKGÖZ H., ŞAHİN U. K., Işıl U. H., Erdem İ.
2nd International Congress of Innovative Textiles, ICONTEX2019, Tekirdağ, Turkey, 17 - 18 April 2019, pp.196-201
- VII. **Effects of softener applications on air permeability of cotton knitted fabrics produced with siro yarns**
DURU S., ACIKGOZ H., ŞAHİN U. K.
AUTEX 2018, İstanbul, Turkey, 20 - 22 June 2018, pp.515-517
- VIII. **Effects of binder solution on color fastness of digital printed cotton fabric**
ŞAHİN U. K., ACIKGOZ H.
AUTEX 2018, İstanbul, Turkey, 20 - 22 June 2018, pp.893-895
- IX. **Design of Flat Sleeping Bag for Summer Camping**
KURŞUN BAHADIR S., ŞAHİN U. K.
IATS 17 (8th International Advanced Technologies Symposium), 19 - 22 October 2017
- X. **The Effect of Filtering on Image Processing of Textile Fabrics**
ŞAHİN U. K., KURŞUN BAHADIR S.
IATS 2017 8TH INTERNATIONAL ADVANCED TECHNOLOGIES SYMPOSIUM, 19 - 22 October 2017
- XI. **A Novel Washing Algorithm for Underarm Stain Removal**
Açıkgöz Tufan H., GOCEK I., Şahin U. K., ERDEM I.
AUTEX 2017 17th World Textile Conference, Corfu, Greece, 29 - 31 May 2017, pp.1-5
- XII. **Improving Dyeability of Cotton Fabric with Juglans regia L. Natural Dyestuff**
arslan m. h., GÖCEK İ., ŞAHİN U. K.
ICFDPM 2017 : 19th International Conference on Fabric Dyeing Process and Methods, Londrina, Brazil, 24 - 25 April 2017
- XIII. **Design of a thermal waist-pad**
Bahadır S. K., Sahin U. K., Tufan H. A.
17th World Textile Conference of the Association-of-Universities-for-Textiles (AUTEX) - Shaping the Future of Textiles, Greece, 29 - 31 May 2017, vol.254
- XIV. **E-Textile Structures for Electric Heat Tracing Application**
Kurşun Bahadır S., Şahin U. K.
4th International Conference on Advanced Technology & Sciences, Rome, Italy, 23 - 25 November 2016, pp.233-236
- XV. **Effects of Home Laundering on Electrical Resistance of Signal Transmission Lines on Colored E-Textiles**
Kurşun Bahadır S., Şahin U. K.
4th International Conference on Advanced Technology & Sciences, Rome, Italy, 23 - 25 November 2016, pp.228-232
- XVI. **E-Textile structures for heat tracing application**
BAHADIR S. K., Şahin U. K., Kural A.
4th International Conference, ICAT'ROME 2016, Roma, Italy, 23 - 25 November 2016, pp.1-5
- XVII. **Improving Crease Recovery of Wool Using Protein Crosslinkers**
ACIKGOZ H., GÖCEK İ., ARSLAN H., ŞAHİN U. K.
16th AUTEX World Textile Conference, 8 - 10 June 2016
- XVIII. **A Cheap Alternative for Wool Crosslinking with Improved Crease Recovery**
Açıkgöz Tufan H., GOCEK I., ARSLAN M. H., Şahin U. K.
AUTEX 2016, Ljubljana, Slovenia, 8 - 10 June 2016, pp.1-5
- XIX. **Modelling the Behavior of Commercial and Test Textiles against Laundering Process by Statistical**

Assessment of their Performance

ARSLAN M. H., ŞAHİN U. K., AÇIKGÖZ H., GÖCEK İ., ERDEM İ.

18th International Conference on Textile Composites, Materials and Engineering (ICTCME 2016), New York, United States Of America, 6 - 07 June 2016

- XX. **Cyclodextrin-Grafted Modified Cotton Fabric**
ŞAHİN U. K., ERDÜMLÜ N., SARIÇAM C., GÖCEK İ., arslan m. h., AÇIKGÖZ H., KALAV B.
18th International Conference on Textile Composites, Materials and Engineering (ICTCME 2016), New York, United States Of America, 6 - 07 June 2016
- XXI. **Performance Evaluation of Commercial and Test Textiles and Analysis of Their Behavior against Washing Machine Parameters during Laundering**
ARSLAN M. H., GOCEK I., ERDEM I., Şahin U. K., Açığöz Tufan H.
ATC-13 The 13th Asian Textile Conference, Geelong Victoria, Australia, 1 - 03 November 2015, pp.1-5
- XXII. **Design of Cyclodextrine Reinforced Composite Textile Membrane**
Okur N., Sarıçam C., Göcek İ., Şahin U. K., Oral M., Şenyavaş U., Akgün B., Baykal C.
5th International Istanbul Textile Congress 2015: Innovative Technologies "Inspire to Innovate", İstanbul, Turkey, 11 - 12 September 2015, pp.1-5
- XXIII. **Verification of the Washing Algorithm Developed Specifically for Linen Fabrics**
Açığöz Tufan H., Şahin U. K., GOCEK I., ERDEM I.
5th International Istanbul Textile Congress 2015: Innovative Technologies "Inspire to Innovate", İstanbul, Turkey, 11 - 12 September 2015, pp.1-5
- XXIV. **Determination of Effective Factors on Knitted Fabrics for the Design of a Novel Algorithm for Domestic Drying Machines**
Budak H. E., Arslanlık B., GOCEK I., Şahin U. K.
5th International Istanbul Textile Congress 2015: Innovative Technologies "Inspire to Innovate", İstanbul, Turkey, 11 - 12 September 2015, pp.1-5
- XXV. **Design of Cyclodextrine Reinforced Composite Texile Membrane**
ERDÜMLÜ N., SARIÇAM C., GÖCEK İ., ŞAHİN U. K., MERCAN O., UĞUR Ş., AKGÜN B., CEREN B.
5th International Istanbul Textile Congress 2015: Innovative Technologies -Inspire to Innovate, 11 - 12 September 2015
- XXVI. **Cleaning Delicate Silk Fabrics with a Novel Wet Cleaning Algorithm**
Açığöz Tufan H., GOCEK I., Şahin U. K., ERDEM I.
5th International Istanbul Textile Congress 2015: Innovative Technologies "Inspire to Innovate", İstanbul, Turkey, 11 - 12 September 2015, pp.1-5
- XXVII. **Design of cyclodextrin reinforced composite textile membrane**
OKUR N., SARIÇAM C., GÖCEK İ., ŞAHİN U. K.
5th International Istanbul Textile Congress, İstanbul, Turkey, 11 - 12 September 2015
- XXVIII. **A Novel Wet Cleaning Algorithm for Commercial Washing Machines**
Açığöz Tufan H., Şahin U. K., Göcek İ., ERDEM I.
AUTEX 2015 15th World Textile Conference, Bucharest, Romania, 10 - 12 June 2015, pp.1-5
- XXIX. **Laundering of Linen Fabrics with a Novel Algorithm**
Açığöz Tufan H., Göcek İ., ERDEM I., Şahin U. K.
The 2nd International Conference on Natural Fibres (ICNF2015), Sao Miguel, Azores, Portugal, 27 - 29 April 2015, pp.1-5
- XXX. **Yıkama Sırasında Keten Ürünlerin Özelliklerini İyileştirmek için Farklı Buharlama Kombinasyonları Kullanımı**
Göcek İ., ERDEM I., Şahin U. K., Açığöz Tufan H.
UTZ 2014 2. Uluslararası Tekstil Zirvesi (2nd International Textile Summit), Kahramanmaraş, Turkey, 22 - 25 October 2014, pp.1
- XXXI. **Çamaşır Makinelerinde Keten Ürünler için Geliştirilen Yıkama Algoritmasının Doğrulanması**
ERDEM I., Göcek İ., Şahin U. K., Açığöz Tufan H.
UTZ 2014 2. Uluslararası Tekstil Zirvesi (2nd International Textile Summit), Kahramanmaraş, Turkey, 22 - 25

October 2014, pp.1

- XXXII. **ÇAMAŞIR MAKİNELERİNDE KETEN ÜRÜNLER İÇİN GELİŞTİRİLEN YIKAMA ALGORİTMASININ DOĞRULANMASI**
erdem i., GÖCEK İ., ŞAHİN U. K., AÇIKGÖZ H.
2. UTZ Kahramanmaraş, Kahramanmaraş, Turkey, 22 - 24 October 2014
- XXXIII. **Yıkama sırasında keten ürünlerin özelliklerini iyileştirmek için farklı buharlama kombinasyonları kullanımı**
GÖCEK İ., erdem i., ŞAHİN U. K., AÇIKGÖZ H.
2. UTZ Kahramanmaraş, Kahramanmaraş, Turkey, 22 - 24 October 2014
- XXXIV. **Development of a Novel Washing Algorithm for Linen Fabrics**
Şahin U. K., ERDEM I., Göcek İ., Açığöz Tufan H.
AUTEX 2014 14th World Textile Conference, Bursa, Turkey, 26 - 28 May 2014, pp.1-5
- XXXV. **Utilisation of steaming in laundry process as a factor improving laundering performance**
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- XL. **Some Comfort Properties of Denim Fabrics from Nettle Fibre**
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- XLI. **Coal Reinforced Composite Polyamide Nanofibers**
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- LVII. Optimisation of Pectinase Scouring and Its Properties on Dyeing of Cotton Fabrics**
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II. Ulusal Tekstil Yardımcı Kimyasalları Kongresi, Bursa, Turkey, 27 - 28 September 2004, pp.1-5

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Anniversary International Scientific Conference EMF'2003, Sofya Teknik Üniversitesi, Sofia, Bulgaria, 30 October - 01 November 2003, pp.1-5

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Textile Science 2003 5th International Conference, Liberec, Czech Republic, 16 - 18 June 2003, pp.1-5

Supported Projects

Şahin U. K., Açıkgöz Tufan H., Project Supported by Higher Education Institutions, Esnek ve iletken e-tekstil bağlantı malzemesi tasarımı, 2017 - Continues

Şahin U. K., TUBITAK Project, Duşlanabilir Takım Elbise, 2015 - Continues

Şahin U. K., TUBITAK Project, 5140075 BUHARLI EL ÜTÜLERİNDE KUMAŞPARLAMASINI ENGELLEYEN VE BUHAR GERİ KAZANIMI SAĞLAYAN ÜTÜ TASARIMI, 2015 - Continues

Şahin U. K., Technopark, İleri-Teknoloji Odaklı, Fonksiyonel ve Konfor Özellikleri İyileştirilmiş Denim Kumaş Ürün ve Üretim Süreçlerine Yönelik Mekanik Donanım ve Terbiye İşlemleri Geliştirilmesi ve Proses Optimizasyonu, 2022 - 2024

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Şahin U. K., Project Supported by Higher Education Institutions, Yumuşatma ve Ev Tipi Yıkamanın Renkli E-Tekstillerdeki Sinyal İletim Hatlarının Elektriksel Direncine Etkileri, 2016 - 2018

Şahin U. K., Project Supported by Higher Education Institutions, Metal Tuzları ve Plazma Kullanımıyla Kalıcılığı Artırılmış Antistatik Viskoz Örme Kumaş Eldesi, 2013 - 2018

Şahin U. K., Project Supported by Higher Education Institutions, Kimyasal Olarak Reaktif Nanokompozit Polipropilen Lif Tasarımı, 2012 - 2018

Şahin U. K., Project Supported by Higher Education Institutions, PAMUKLU KUMAŞLARIN PEKTİNAZLA YIKANMASI VE BOYANMASI ÜZERİNE BİR ARAŞTIRMA, 2009 - 2018

Şahin U. K., Industrial Thesis Project, Kaynak Dikiş Teknolojisine Dayalı E Tekstil Tabanlı Termal Isı Panellerinin Geliştirilmesi 0034 TGSD 2015 2, 2015 - 2016

Şahin U. K., Project Supported by Other Private Institutions, Ev Tipi Yıkama İşlemlerinin Tekstillerden Uzaklaşan Boyarmadde Miktarı Üzerindeki Etkisinin İncelenmesi, 2014 - 2015

Şahin U. K., Project Supported by Higher Education Institutions, Nanokompozit Polipropilen (PP) Lifinin Mekanik, Termal ve Kimyasal Davranışlarının İncelenerek Son Ürün Üzerindeki Etkilerinin Belirlenmesi, 2012 - 2015

Şahin U. K., Other International Funding Programs, Ionic Crosslinking A Novel Method of Fabric Stabilization C04NS01, 2005 - 2008

Activities in Scientific Journals

Textile Science & Engineering , Committee Member, 2017 - Continues

Sustainnovation, Committee Member, 2013 - Continues

Textil Dünyası, Assistant Editor/Section Editor, 2008 - 2013

Scientific Refereeing

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Istanbul Technical University, Turkey, May 2022

TUBITAK Project, 1002 - Quick Support Program, Istanbul Technical University, Turkey, January 2022

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Istanbul Technical University, Turkey, May 2021

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Istanbul Technical University, Turkey, March 2021

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TUBITAK Project, 1505 - University-Industry Cooperation Support Program, Istanbul Technical University, Turkey, July 2020

TUBITAK Project, 3501 - National Young Researcher Career Development Program, Istanbul Technical University, Turkey, May 2020

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Scientific Consultations

Care Applications. S.L.U., Project Consultancy, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, Turkey, 2020 - Continues

Or-Ka Tekstil, Scientific Consultancy, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, Turkey, 2018 - Continues

SANKO, Scientific Consultancy, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, Turkey, 2020 - 2020

TAHA Giyim, Scientific Consultancy, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, Turkey, 2019 - 2020

BARSAN, Scientific Consultancy, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, Turkey, 2018 - 2020

Batı Basma Sanayi Ar-Ge Merkezi & Foça Jandarma Komando Okulu ve Eğitim Merkezi, Scientific Consultancy, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, Turkey, 2017 - 2020

ASELSAN, Scientific Consultancy, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, Turkey, 2017 - 2017

Altınyıldız, Project Consultancy, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, Turkey, 2015 - 2017

Arçelik, İTÜNOVA, Project Consultancy, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, Turkey, 2014 - 2015

Arçelik, Scientific Consultancy, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, Turkey, 2014 - 2015

Arçelik, Scientific Consultancy, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, Turkey, 2013 - 2014

Arçelik, Scientific Consultancy, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, Turkey, 2010 - 2011

Metrics

Publication: 108

Citation (WoS): 46

Citation (Scopus): 57

H-Index (WoS): 3

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Invited Talks

6th Edition of the International Conference on Advances in Textiles , Conference, M, Bannari Amman Institute of Technology, Sathyamanga, INDIA, India, December 2009

Scholarships

Rektörlük Bursu, University, 2005 - 2005

Representation and Promotion Activities

Institutional Promotion, İTÜ, Turkey, İstanbul, 2022 - 2022

Institutional Promotion, İTÜ, Turkey, İstanbul, 2021 - 2021

Institutional Promotion, İTÜ, Turkey, İstanbul, 2020 - 2020

Institutional Promotion, İTÜ, Turkey, İstanbul, 2020 - 2020

Institutional Promotion, Üsküdar AmerikanLisesi, Turkey, İstanbul, 2020 - 2020

Institutional Promotion, İTÜ, Turkey, İstanbul, 2019 - 2019

Institutional Promotion, Zeugma Fuar Alanı, Turkey, Gaziantep, 2013 - 2013

Institutional Promotion, Messe Frankfurt, Germany, Frankfurt, 2013 - 2013

Non Academic Experience

Mimex ESM

Company, Mimex ESM, Satış