

Assoc. Prof. Umut Kıvanç Şahin

Personal Information

Fax Phone: [+90 212 249 1767](tel:+902122491767)

Email: sahinumut3@itu.edu.tr

Web: <https://avesis.itu.edu.tr/sahinumut3>

Address: İ.T.Ü. Gümüşsuyu Kampusu, İnönü C. No.65 34437 Gümüşsuyu Beyoğlu İstanbul

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, design of novel chemicals for textile applications. He participated in two international and five national projects as researcher, and two national projects as the coordinator. He has nine international journal papers and 38 international conference presentations.

Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği (Dr), Turkey 2003 - 2009

Postgraduate, İstanbul Teknik Üniversitesi, Tekstil Teknolojileri Ve Tasarımı Fakültesi, Tekstil Mühendisliği Bölümü, Turkey 1999 - 2003

Undergraduate, İstanbul Teknik Üniversitesi, 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, Pektinaz enzimleriyle pamuklu tekstil ürünlerinin ön terbiye işlemlerinin yapılması, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2003

Research Areas

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

Academic Titles / Tasks

Assistant Professor, İstanbul Teknik Üniversitesi, Tekstil Teknolojileri Ve Tasarımı Fakültesi, Tekstil Mühendisliği Bölümü, 2018 - Continues
Assistant Professor, İstanbul Teknik Üniversitesi, Tekstil Teknolojileri Ve Tasarımı Fakültesi, Tekstil Mühendisliği Bölümü, 2009 - 2018
Research Assistant, İstanbul Teknik Üniversitesi, Tekstil Teknolojileri Ve Tasarımı Fakültesi, Tekstil Mühendisliği Bölümü, 2001 - 2009

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Tekstil Teknolojileri Ve Tasarımı Fakültesi, 2015 - Continues
İstanbul Teknik Üniversitesi, Tekstil Teknolojileri Ve Tasarımı Fakültesi, 2016 - 2016

Courses

Environmental Chemistry, Undergraduate, 2016 - 2017
TEXTILE CHEMISTRY, Undergraduate, 2016 - 2017
TEXTILE FINISHING PROCESSES , Undergraduate, 2016 - 2017
INTRODUCTION TO TEXTILE ENGINEERING, Undergraduate, 2016 - 2017

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- VII. **CHEMICAL TREATMENT OF CHICKEN FEATHER PRIOR TO USE AS FILLING MATERIAL**
ŞAHİN U. K.
Tekstil Ve Konfeksiyon, vol.28, pp.207-212, 2018 (Journal Indexed in 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 (Journal Indexed in 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 (Journal Indexed in 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 İ.
TEXTILE RESEARCH JOURNAL, vol.86, no.10, pp.1097-1108, 2016 (Journal Indexed in SCI)
- XIII. **A study on easy-care laundering of linen fabrics**
Göcek İ., Şahin U. K. , ERDEM İ., NAMAL O., ACIKGOZ H.
TEXTILE RESEARCH JOURNAL, vol.83, no.18, pp.1961-1973, 2013 (Journal Indexed in SCI)
- 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 (Journal Indexed in 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 (Journal Indexed in 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 (Journal Indexed in SCI)
- XVII. **Low temperature acidic pectinase scouring for enhancing textile quality**
Şahin U. K. , GURSOY N. Ç.
AATCC REVIEW, vol.5, no.1, pp.27-30, 2005 (Journal Indexed in SCI Expanded)
- XVIII. **Biological scouring of cotton using pectinase enzyme**
Şahin U. K. , GURSOY N. Ç.
QUALITY TEXTILES FOR QUALITY LIFE, vol.1, no.4, pp.726-728, 2004 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **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 (Refereed Journals of Other Institutions)
- II. **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 (Refereed Journals of Other Institutions)

- III. **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 (Refereed Journals of Other Institutions)
- IV. **Improving Dyeability of Cotton Fabric with Juglans regia L. Natural Dyestuff**
ARSLAN m. h. , GÖCEK İ., ŞAHİN U. K.
International Journal of Fashion and Textile Engineering, vol.11, 2017 (Refereed Journals of Other Institutions)
- V. **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 (Refereed Journals of Other Institutions)
- VI. **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 (Refereed Journals of Other Institutions)
- VII. **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 (Refereed Journals of Other Institutions)
- VIII. **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 (Other Refereed National Journals)
- IX. **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 (Other Refereed National Journals)
- X. **Tekstil Endüstrisinde Plazma Kullanımı**
Şahin U. K. , Gürsoy N. Ç.
Tekstil & Teknik, vol.2006, no.5, pp.240-246, 2006 (Other Refereed National Journals)
- XI. **Tekstil Endüstrisinde Kitin ve Kitosan Uygulamaları**
Şahin U. K. , Gürsoy N. Ç.
Tekstil & Teknik, vol.2005, no.8, pp.176-182, 2005 (Other Refereed National Journals)
- XII. **Tıpta Kitin ve Kitosan Uygulamaları**
Şahin U. K. , Gürsoy N. Ç.
Medikal & Teknik, vol.2005, no.1, pp.106-115, 2005 (Other Refereed National Journals)
- XIII. **Pektinaz Enzimiyle Pamuklu Örme Kumaşların Hidrofilleştirilmesi**
Şahin U. K. , Gürsoy N. Ç.
Örme İhtisas, vol.2004, no.10, pp.1-5, 2004 (Other Refereed National Journals)
- XIV. **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 (Other Refereed National Journals)

Books & Book Chapters

- I. **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. **Çift-Özlü İpliklerden Mamul Örme 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
- IV. **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
- V. **KATYONİK ATIK SULARIN ARITILMASI İÇİN TEKSTİLATIKLARINDAN ÇEVRECİ KOMPOZİT ÜRETİMİ**
EMEKDAR E., ŞAHİN U. K.
Ulusal Çukurova Tekstil Kongresi-UÇTEK'2019, Adana, Turkey, 26 - 27 September 2019, pp.464-471
- 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. **The Effect of Filtering on Image Processing of Textile Fabrics**
ŞAHİN U. K. , KURŞUN BAHADIR S.
IATS 2017 8TH INTERNATIONAL ADVANCEDTECHNOLOGIES SYMPOSIUM, 19 - 22 October 2017
- X. **Design of Flat Sleeping Bag for Summer Camping**
KURŞUN BAHADIR S., ŞAHİN U. K.
IATS 17 (8thInternational Advanced Technologies Symposium), 19 - 22 October 2017
- XI. **A Novel Washing Algorithm for Underarm Stain Removal**
Açıkğöz 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. **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
- XIV. **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

- XV. **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
- XVI. **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
- 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. **Cyclodextrin-Grafted Modified Cotton Fabric**
ŞAHİN U. K. , ERDumlu 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
- 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. **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. , Açıkgöz Tufan H.
ATC-13 The 13th Asian Textile Conference, Geelong Victoria, Australia, 1 - 03 November 2015, pp.1-5
- XXI. **Durability of Antibacterial Efficacy against Laundering for Atmospheric Plasma-Treated Knitted Fabrics with Metal Salts**
GOCEK I., ARSLAN M. H. , Şahin U. K. , Açıkgöz Tufan H., Nergis F. B. , Candan C.
ATC-13 The 13th Asian Textile Conference, Geelong Victoria, Australia, 1 - 03 November 2015, pp.1-5
- XXII. **Cleaning Delicate Silk Fabrics with a Novel Wet Cleaning Algorithm**
Açıkgöz 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
- XXIII. **Verification of the Washing Algorithm Developed Specifically for Linen Fabrics**
Açıkgöz 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. , Arslanİlkiz 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 Textile Membrane**
ERDumlu 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. **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
- XXVII. **Design of Cyclodextrine Reinforced Composite Textile Membrane**
Okur N., Sariçam 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
- XXVIII. **A Novel Wet Cleaning Algorithm for Commercial Washing Machines**

- Açıkğöz Tufan H., Şahin U. K. , Göcek İ., ERDEM I.
AUTEX 2015 15th World Textile Conference, Bucharest, Romania, 10 - 12 June 2015, pp.1-5
- XXXIX. **Laundering of Linen Fabrics with a Novel Algorithm**
Açıkğöz 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. **Çamaşır Makinelerinde Keten Ürünler için Geliştirilen Yıkama Algoritmasının Doğrulanması**
ERDEM I., Göcek İ., Şahin U. K. , Açıkğöz Tufan H.
UTZ 2014 2. Uluslararası Tekstil Zirvesi (2nd International Textile Summit), Kahramanmaraş, Turkey, 22 - 25 October 2014, pp.1
- XXXI. **Yıkama Sırasında Keten Ürünlerin Özelliklerini İyileştirmek için Farklı Buharlama Kombinasyonları Kullanımı**
Göcek İ., ERDEM I., Şahin U. K. , Açıkğöz 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. **Utilisation of steaming in laundry process as a factor improving laundering performance**
Göcek İ., Şahin U. K. , ERDEM I., Açıkğöz Tufan H.
AUTEX 2014 14th World Textile Conference, Bursa, Turkey, 26 - 28 May 2014, pp.1-5
- XXXV. **Development of a Novel Washing Algorithm for Linen Fabrics**
Şahin U. K. , ERDEM I., Göcek İ., Açıkğöz Tufan H.
AUTEX 2014 14th World Textile Conference, Bursa, Turkey, 26 - 28 May 2014, pp.1-5
- XXXVI. **Enhanced Antistatic Durability for Metal Treated Polyester via Atmospheric Plasma Technique**
Dobur M. Ö. , Şahin U. K. , Göcek İ., Candan C., Nergis F. B. , Demirel F. B. , Gül Dinçmen M.
Advanced Materials World Congress (AMWC 2013), İzmir, Turkey, 16 - 19 September 2013, pp.1-5
- XXXVII. **Attaining Prolonged Antibacterial Efficacy for Plasma Modified Polyamide to Obtain an Advanced Functional Textile**
Göcek İ., Şahin U. K. , Candan C., Nergis F. B. , Dobur M. Ö. , Demirel F. B. , Gül Dinçmen M.
Advanced Materials World Congress (AMWC 2013), İzmir, Turkey, 16 - 19 September 2013, pp.1-5
- XXXVIII. **Acquiring Antistatic Viscose Knitted Fabric with Improved Durability by the Utilisation of Metal Salts and Plasma Treatment**
Şahin U. K. , Göcek İ., Candan C., Nergis F. B. , Demirel F. B. , Dobur M. Ö. , Gül Dinçmen M.
Advances in Functional Textiles,, Manchester, United Kingdom, 25 - 26 July 2013, pp.1-5
- XXXIX. **Obtainment of Antibacterial Efficacy along with Prolonged Use-life for Polyester Knitted Fabric**
GÖCEK İ., ŞAHİN U. K. , CANDAN C., NERGİS F. B. , Dobur M. Ö. , Demirel F. B. , Gül M.
International Conference Advances in Functional Textiles, Manchester, England, 25 - 26 July 2013
- XL. **Some Comfort Properties of Denim Fabrics from Nettle Fibre**
Şahin U. K. , Nergis F. B. , Candan C.
The 1st International Conference on Natural Fibres (ICNF2013), Guimarães, Portugal, 9 - 11 June 2013, pp.1-5
- XLI. **Composite Polyacrylonitrile Nanofibers Possessing Potential Use in Filtration**
Berkalp Ö. B. , Şahin U. K. , Göcek İ., Keskin R., Acarkan N., Özkan Ş., Daşkaya Dikmen C., Daşkaya E., Sağlam H.
Innovative Solutions for Sustainable Development of Textiles & Leather Industry 2013, Oradea, Romania, 24 - 25 May 2013, pp.1-5
- XLII. **Composite polyacrylonitrile nanofiber possessing potential use in filtration**

BERKALP Ö. B. , ŞAHİN U. K. , GÖCEK İ., KESKİN R., ACARKAN N., özkan ş., daşkaya dikmen c., daşkaya e., sağlam h.
Innovative solutions for sustainable development of textiles and leather industry, Oradea, Romania, 24 - 25 May
2013

- XLIII. **Coal Reinforced Composite Polyamide Nanofibers**
Keskin R., Göcek İ., Şahin U. K. , Berkalp Ö. B. , Acarkan N., Daşkaya Dikmen C., Daşkaya E., Sağlam H.
Innovative Solutions for Sustainable Development of Textiles & Leather Industry 2013, Oradea, Romania, 24 - 25
May 2013, pp.1-5
- XLIV. **Design of a Chemically Reactive Nanocomposite Polypropylene Fiber**
Şahin U. K. , Göcek İ., Özkoç G., Şirin H., Keskin R., Önder Karaoğlu E., Dursun M., Arslan E., Duruçalı S.
7th Central European Conference on Fibre Grade Polymers, Chemical Fibres and Special Textiles (CEC), Portorose,
Slovenia, 15 - 17 September 2012, pp.1-5
- XLV. **Using Metal Salts as Cationic Crosslinking Agents in Treatment of Cotton Fabric**
Şahin U. K. , Gürsoy N. Ç. , HAUSER P.
5th International Textile, Clothing & Design Conference, Dubrovnik, Croatia, 3 - 06 October 2010, pp.1-5
- XLVI. **Effects of Alternative Ionic Crosslinking Methods on Physical Performance of Cotton Fabric**
Şahin U. K. , Gürsoy N. Ç. , HAUSER P.
AATCC's 2010 International Conference, Atlanta, Ga, United States Of America, 18 - 20 May 2010, pp.1-5
- XLVII. **An Investigation on Pectinase Scouring and Dyeing of Cotton Fabrics**
Şahin U. K. , Gürsoy N. Ç.
6th Edition of the International Conference on Advances in Textiles, M, Bannari Amman Institute of Technology,
Sathyamanga, India, 7 - 09 December 2009, pp.1-5
- XLVIII. **One-Step Water Repellency and Wrinkle Recovery Finish on Woven Fabrics**
Oğultürk G., Şahin U. K. , Gürsoy N. Ç. , Özcan G.
6th Edition of the International Conference on Advances in Textiles, M, Bannari Amman Institute of Technology,
Sathyamanga, India, 7 - 09 December 2009, pp.1-5
- XLIX. **One Step Water Repellency and Wrinkle Recoverfinish on Woven Fabrics**
Oğultürk G., ŞAHİN U. K. , GÜRİSOY N. Ç. , ÖZCAN G.
6th Edition of the International Conference on Advances in Textiles, Machinery, Nonwovens and Technical Textiles-
ATNT 2009, Sathyamangalam, India, 7 - 09 December 2009
- L. **Effect of Operation Parameters on Payback Time of a Cogeneration System – A Textile Plant
Application**
Seçkin C., Şahin U. K.
SET 2009, 8th International Conference on Sustainable Energy Technologies, Aachen, Germany, 31 August - 03
September 2009, pp.1-5
- LI. **THE EFFECT OF CARBOXYMETHYLATION METHOD ON WRINKLE RECOVERY PERFORMANCE OF IONIC
CROSSLINKED COTTON FABRIC**
ŞAHİN U. K. , GÜRİSOY N. Ç. , hauser p., smith b.
ITCDC 2006, Dubrovnik, Croatia, 8 - 11 October 2006
- LII. **Effect of Carboxymethylation Method On Wrinkle Recovery Performance of Ionic Crosslinked Cotton
Fabric**
Şahin U. K. , Gürsoy N. Ç. , HAUSER P., SMITH B.
3rd International Textile, Clothing & Design Conference, Dubrovnik, Croatia, 8 - 11 October 2006, pp.1-5
- LIII. **Effect of Carboxymethylation Parameters on WRA Performance of Cotton Fabric**
Şahin U. K. , HAUSER P., SMITH B., Gürsoy N. Ç.
6th AUTEK (Association of Universities for Textiles) World Conference 2006, NCSU, Raleigh, United States Of
America, 11 - 14 June 2006, pp.1-5
- LIV. **Ionic crosslinking - A novel method of fabric stabilization**
VARGANTWAR P., Şahin U. K. , SMITH B., HAUSER P.
International Fiber Conference 2006: Extreme and Aesthetic Textiles, IFC 2006, Seoul, North Korea, 30 May - 03
June 2006, pp.1-5
- LV. **Effect of Alcohol Type Used for Synthesis of Polycation on WRA Performance of Ionic Crosslinked**

Cotton Fabric

Şahin U. K. , Gürsoy N. Ç. , HAUSER P., SMITH B.

1st Istanbul International Textile and Textile Machinery Congress 2006, İstanbul, Turkey, 1 - 02 June 2006, pp.1-5

LVI. Effect of Substrate Form, Treatment Method and Gaseous Media on Carboxymethyl Content of Cotton

Şahin U. K. , VARGANTWAR P., HAUSER P., SMITH B., Gürsoy N. Ç.

1st Istanbul International Textile and Textile Machinery Congress 2006, İstanbul, Turkey, 1 - 02 June 2006, pp.1-5

LVII. Optimisation of Pectinase Scouring and Its Properties on Dyeing of Cotton Fabrics

Şahin U. K. , Koç İ. M. , Gürsoy N. Ç.

The Textile Institute 84th World Conference, Raleigh, Nc, United States Of America, 22 - 25 March 2005, pp.1-5

LVIII. The Effects of Pectinase Scouring on Bleaching and Dyeing Properties of Cotton Fabric

Şahin U. K. , Gürsoy N. Ç.

2nd International Textile, Clothing & Design Conference, Dubrovnik, Croatia, 3 - 06 October 2004, pp.1-5

LIX. The effects of pectinase scouring on bleaching and dyeing properties of cotton fabrics

ŞAHİN U. K. , GÜRSOY N. Ç.

ITCDC 2004, Dubrovnik, Croatia, 3 - 06 October 2004

LX. Pamuklu Kumaşların Hidrofilleştirilmesinde Pektinaz Enzimi Kullanımı

Şahin U. K. , Gürsoy N. Ç.

II. Ulusal Tekstil Yardımcı Kimyasalları Kongresi, Bursa, Turkey, 27 - 28 September 2004, pp.1-5

LXI. Biological scouring of cotton using pectinase enzyme

Şahin U. K. , Gürsoy N.

83rd Textile-Institute World Conference, Shanghai, China, 23 - 27 May 2004, pp.726-728

LXII. Effects of Wax Type and Concentration on Weaving Efficiency of Woolen Fabrics

Şahin U. K. , Önder Karaoğlu E.

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

LXIII. Enzymatic Scouring of Cotton Fabric

Şahin U. K. , Gürsoy N. Ç.

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

Şahin U. K. , Kurşun Bahadır S., Kalaoğlu F., H2020 Project, ETEXWELD - Welding of E-Textiles for Interactive Clothing, 2015 - 2020

Şahin U. K. , Emekdar E., Project Supported by Higher Education Institutions, Tekstil Atıklarının Yeniden Kullanımı İçin Çok Fonksiyonlu Nanokompozit Geliştirilmesi, 2017 - 2019

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 Artulmuş 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. , Other Supported Projects, 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, 2008 - 2013

Citations

Total Citations (WOS):30

h-index (WOS):3