

Assoc. Prof. BEKİR YILDIRIM

Personal Information

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Education Information

Doctorate, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği, Turkey 2005 - 2011

Post Graduate, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği, Turkey 2002 - 2005

Under Graduate, Ege Üniversitesi, Mühendislik Fakültesi, Tekstil Mühendisliği, Turkey 1996 - 2001

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Dokuma tezgahında kumaş oluşumu, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği, 2011

Post Graduate, Dokuma kumaş mukavemetinin hammadde özelliklerinden tahminlemesinin sağlayan bir bilgisayar yazılımının geliştirilmesi, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği, 2005

Research Areas

Technical Sciences, Textile Engineering and Technology, Cloth Technology, Textile Machinery

Academic Titles / Tasks

Assistant Professor, Erciyes Üniversitesi, Erciyes Üniversitesi, Tekstil Mühendisliği, 2012 - Continues

Research Assistant PhD, Erciyes Üniversitesi, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü, 2011 - 2012

Research Assistant, Erciyes Üniversitesi, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü, 2004 - 2011

Research Assistant, Erciyes Üniversitesi, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü, 2004 - 2004

Courses

Bilgisayara Giriş, Under Graduate, 2015 - 2016, 2017 - 2018

Bilgisayar Programlama, Under Graduate, 2015 - 2016, 2017 - 2018

Tekstil Araştırmalarında Matlab ile Bilgisayar Programlama I, Doctorate, 2017 - 2018

Advising Theses

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

- I. **Non-contact Method for Measurement of Colour Variation in a Cotton Sample**
VIK M., KHAN N., YILDIRIM B., VIKOVA M.
FIBRES & TEXTILES IN EASTERN EUROPE, vol.25, no.2, pp.106-111, 2017 (Journal Indexed in SCI)
- II. **YARN LOCATION DETECTION IN WOVEN FABRIC IMAGE USING AUTOMATIC MULTISCALE-BASED PEAK DETECTION**
YILDIRIM B.
TEKSTİL VE KONFEKSİYON, vol.27, no.2, pp.108-116, 2017 (Journal Indexed in SCI)
- III. **Effect of boron compounds on fire protection properties of epoxy based intumescent coating**
ÜNLÜ Ş. M. , Tayfun U., YILDIRIM B., DOĞAN M.
FIRE AND MATERIALS, vol.41, no.1, pp.17-28, 2017 (Journal Indexed in SCI)
- IV. **Weft directional stick-slip force of yarn pullout in para-aramid fabric for ballistics**
Bilisik K., YILDIRIM B.
JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, vol.27, no.9, pp.1167-1191, 2014 (Journal Indexed in SCI)
- V. **Projection profile analysis for skew angle estimation of woven fabric images**
Yildirim B.
JOURNAL OF THE TEXTILE INSTITUTE, vol.105, no.6, pp.654-660, 2014 (Journal Indexed in SCI)
- VI. **Stick-slip properties of single and multiple yarn pull-out in dry and softening treated polyester satin woven. fabrics in boundary region**
Bilisik K., YILDIRIM B.
INTERNATIONAL JOURNAL OF CLOTHING SCIENCE AND TECHNOLOGY, vol.26, no.1, pp.67-95, 2014 (Journal Indexed in SCI)
- VII. **Determination of Optimum Filter Size for Detecting Yarn Boundaries**
Yildirim B.
FIBERS AND POLYMERS, vol.14, no.10, pp.1739-1747, 2013 (Journal Indexed in SCI)
- VIII. **Characterizations of Stick-Slip Stage of Yarn Pull-Out in Dry and Softening Treated Polyester Plain Woven Fabric**
Bilisik K., YILDIRIM B.
FIBERS AND POLYMERS, vol.14, no.8, pp.1358-1371, 2013 (Journal Indexed in SCI)
- IX. **INVESTIGATION OF STICK-SLIP STAGE OF YARN PULL-OUT IN DRY AND SOFTENING TREATED POLYESTER RIBS WOVEN FABRIC**
Bilisik K., YILDIRIM B.
TEKSTİL VE KONFEKSİYON, vol.23, no.3, pp.247-254, 2013 (Journal Indexed in SCI)
- X. **Properties of Stick-Slip Stage of Yarn Pull-Out in Para-Aramid Woven Fabric**
Bilisik K., YILDIRIM B.
FIBERS AND POLYMERS, vol.14, no.4, pp.630-638, 2013 (Journal Indexed in SCI)
- XI. **Bending and tensile properties of cotton/metal wire complex yarns produced for electromagnetic shielding and conductivity applications**
Bedeloglu A., Sunter N., YILDIRIM B., Bozkurt Y.
JOURNAL OF THE TEXTILE INSTITUTE, vol.103, no.12, pp.1304-1311, 2012 (Journal Indexed in SCI)
- XII. **Measurement of cloth fell position using image analysis**
YILDIRIM B., Başer G.
JOURNAL OF THE TEXTILE INSTITUTE, vol.102, no.11, pp.905-916, 2011 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **INVESTIGATION OF CORE COVERING PERFORMANCE OF DUAL-CORE YARNS WITH IMAGE PROCESSING TECHNIQUE IN TERMS OF PRODUCTION PARAMETERS**
Kılıç G., Yıldırım B., Üstüntağ S., Türksoy H. G.
2nd International Congress of Innovative Textiles, ICONTEX2019, Tekirdağ, Turkey, 17 - 18 April 2019, pp.31-38
- II. **Color Measurement of Printed Fabrics Using Hyperspectral Imaging Systems**
YILDIRIM B., Okandan N., Başaran Kıcık H.
9th CEC Fibre-Grade Polymers, Chemical Fibres and Special Textiles, Liberec, Czech Republic, 11 - 13 September 2017, pp.44-45
- III. **COLOUR SEGMENTATION IN YARN-DYED WOVEN FABRIC IMAGES by USING K-MEANS CLUSTERING**
Yıldırım B., Kolcavová Sirková B.
24th International IFATCC Congress, Pardubice, Czech Republic, 13 - 16 June 2016, pp.207-210
- IV. **EFFECT OF SKEWNESS ON IMAGE PROCESSING METHODS FOR WOVEN FABRIC DENSITY MEASUREMENT**
Yıldırım B., Eren M.
24th International IFATCC Congress, Pardubice, Czech Republic, 13 - 16 June 2016, pp.436-439
- V. **Detection of Yarn Locations in a Woven Fabric Image Using Gray-Level Co-Occurrence Matrix**
YILDIRIM B.
Strutex: Structure and Structural Mechanics of Textile Fabrics 20th International Conference, Liberec, Czech Republic, 1 - 02 December 2014, pp.11-14
- VI. **Haslık derecelendirilmesi için objektif bir yöntem geliştirilmesi**
YILDIRIM B.
IITAS 2014 XIII. Uluslararası İzmir Tekstil ve Hazır Giyim Sempozyumu, Antalya, Turkey, 2 - 05 April 2014, pp.45-46
- VII. **Stick-Slip Behavior of Yarn Pull-out in Dry and Softening Treated Woven Fabric**
BİLİŞİK A., YILDIRIM B.
International Istanbul Textile Congress Innovative and Functional Textiles, İstanbul, Turkey, 30 May - 01 June 2013, pp.1
- VIII. **Image processing approach for weft density measurement on the loom**
YILDIRIM B., Başer G.
Strutex: Structure and Structural Mechanics of Textile Fabrics 16th International Conference, Liberec, Czech Republic, 23 - 25 December 2009, pp.105-107
- IX. **Nanotechnology applications of shape memory materials in textiles**
Turan R., Bedeloğlu A., YILDIRIM B.
5th Nanoscience and Nanotechnology Conference (NanoTR5), Eskişehir, Turkey, 8 - 12 June 2009, pp.418
- X. **Prediction of tensile strength of a plain woven fabric from yarn properties**
YILDIRIM B., Başer G.
Autex From Emerging Innovations to Global Business 7th Annual Textile Conference, Tampere, Finland, 26 - 28 June 2007, pp.32

Supported Projects

DOĞAN M., YILDIRIM B., ATABEK SAVAŞ L., TAYFUN U., BAYKUŞ O., Project Supported by Higher Education Institutions, Doğal hidromagnezit huntit mineral karışımının sinerjik etki çalışmaları ile güç tutuşurluk etkisinin artırılması, 2015 - 2017

Scientific Refereeing

Tekstila Industria, SCI Journal, September 2017

Tekstil ve Mühendis, National Scientific Refreed Journal, June 2017

Industria Textila, SCI Journal, May 2017

Industria Textila, SCI Journal, May 2017
Textile Research Journal, SCI Journal, October 2016
Composites Part-B, SCI Journal, April 2016
Tekstil ve Konfeksiyon, SCI Journal, February 2016
Journal of Textile Institute, SCI Journal, February 2016
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, February 2016
Tekstil ve Konfeksiyon, SCI Journal, January 2016
Textile Research Journal, SCI Journal, January 2016
Textile Research Journal, SCI Journal, December 2015
Tekstila Industria, National Scientific Refreed Journal, June 2015
Textile Research Journal, National Scientific Refreed Journal, May 2015
Materials Science, National Scientific Refreed Journal, November 2014
Textile Research Journal, National Scientific Refreed Journal, June 2014
Journal of Textile Institute, National Scientific Refreed Journal, June 2014
Textile Research Journal, National Scientific Refreed Journal, February 2014

Edit Congress and Symposium Activities

21. Yüzyılda Pamuk Çalıştayı, Attendee, K.Maraş, Turkey, 2016
Colour Measurement, Attendee, Liberec, Czech Republic, 2015

Citations

Total Citations (WOS):57
h-index (WOS):3

Awards

YILDIRIM B., Haslık Derecelendirilmesi için Objektif Bir Yöntem Geliştirilmesi, Türkiye Tekstil Sanayii İşverenleri Sendikası, April 2014