

Assoc. Prof. BEKİR YILDIRIM

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği, Turkey 2005 - 2011

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği, Turkey 2002 - 2005

Undergraduate, Ege University, Faculty Of Engineering, 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

Postgraduate, 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 University, Erciyes Üniversitesi, Tekstil Mühendiliği, 2012 - Continues

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

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

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

Academic and Administrative Experience

Erciyes University, 2015 - Continues

Erciyes University, 2013 - Continues

Courses

Bilgisayara Giriş, Undergraduate, 2017 - 2018, 2015 - 2016

Bilgisayar Programlama, Undergraduate, 2017 - 2018, 2015 - 2016

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

Advising Theses

YILDIRIM B., Dokuma Kumaşlarda Sıklıkların Belirlenmesi için Kullanılan Görüntü İşleme Yöntemlerine Dokuma Kumaş Görüntülerindeki Eğikliğın Etkisi, Postgraduate, M.Eren(Student), 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Exploration of Machine Learning Algorithms for pH and Moisture Estimation in Apples Using VIS-NIR Imaging**
KAVUNCUOĞLU E., ÇETİN N., YILDIRIM B., Nadimi M., Paliwal J.
Applied Sciences (Switzerland), vol.13, no.14, 2023 (SCI-Expanded)
- II. **Development of a 3D Color Diagram for Improved Visual Grading System of Cotton**
Khan N., Vik M., Irshad F., YILDIRIM B., Farooq A., Ashraf M. A.
Fibers and Polymers, vol.24, no.1, pp.73-82, 2023 (SCI-Expanded)
- III. **Multi-layered nanofiber membranes: Preparation, characterization, and application in wastewater treatment**
Islam M. N., YILDIRIM B., Maryska J., Yalcinkaya F.
JOURNAL OF INDUSTRIAL TEXTILES, vol.52, 2022 (SCI-Expanded)
- IV. **The Effects of Production Parameters on the Core Visibility Ratio of Dual-Core Yarns**
Kilic G., YILDIRIM B., Celik H. I., ÜSTÜNTAĞ S., TÜRKSOY H. G.
TEKSTİL VE KONFEKSİYON, vol.30, no.1, pp.3-9, 2020 (SCI-Expanded)
- V. **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 (SCI-Expanded)
- VI. **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 (SCI-Expanded)
- VII. **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 (SCI-Expanded)
- VIII. **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 (SCI-Expanded)
- IX. **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 (SCI-Expanded)
- X. **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 (SCI-Expanded)
- XI. **Determination of Optimum Filter Size for Detecting Yarn Boundaries**
Yildirim B.
FIBERS AND POLYMERS, vol.14, no.10, pp.1739-1747, 2013 (SCI-Expanded)

- XII. **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 (SCI-Expanded)
- XIII. **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 (SCI-Expanded)
- XIV. **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 (SCI-Expanded)
- XV. **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 (SCI-Expanded)
- XVI. **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 (SCI-Expanded)

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., Türksöy 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.
İTAS 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., Bedelođlu 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., Bařer G.

Autex From Emerging Innovations to Gloabal Business 7th Annual Textile Conference, Tampere, Finland, 26 - 28 June 2007, pp.32

Supported Projects

DOđAN M., YILDIRIM B., ATABEK SAVAř L., TAYFUN U., BAYKUř O., Project Supported by Higher Education Institutions, Dođal hidromagnezit huntit mineral karıřımının sinerjik etki alıřmaları ile gc tutuřurluk etkisinin artırılması, 2015 - 2017

Scientific Refereeing

Tekstila Industria, SCI Journal, September 2017

Tekstil ve Mhendis, 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 niversitesi Mhendislik 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

Metrics

Publication: 27

Citation (WoS): 83

Citation (Scopus): 22

H-Index (WoS): 4

H-Index (Scopus): 3

Congress and Symposium Activities

21. Yzylda Pamuk alıřtayı, Attendee, K.Marař, Turkey, 2016

Colour Measurement, Attendee, Liberec, Czech Republic, 2015

Awards

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