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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAD-9210-2019

ScopusID: 55102796200

Yoksis Researcher ID: 6210

Education Information

Doctorate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği (Dr), Turkey 1988 - 1995

Postgraduate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği (YI) (Tezli), Turkey 1986 - 1988

Undergraduate, Bursa Uludağ University, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü, Turkey 1981 - 1985

Dissertations

Doctorate, Dokumada Kıvrım Oluşumunun ve Değişiminin 100 Pamuklu ve 100 Polyester Kumaşlar Üzerinde Mekanik ve Yapısal Etkilerinin Araştırılması, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği (Dr), 1995

Postgraduate, Teknolojik Gelişme Sürecinde Fonksiyonel – Estetik İlişki Açısından Dokuma Kumaşların Tasarımı, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği (YI) (Tezli), 1988

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Bursa Uludağ University, Mühendislik Fakültesi, Tekstil Mühendisliği, 2007 - Continues

Associate Professor, Bursa Uludağ University, Mühendislik Fakültesi, Tekstil Mühendisliği, 2000 - 2007

Assistant Professor, Bursa Uludağ University, Mühendislik Fakültesi, Tekstil Mühendisliği, 1997 - 2000

Lecturer PhD, Bursa Uludağ University, Mühendislik Fakültesi, Tekstil Mühendisliği, 1996 - 1997

Academic and Administrative Experience

Head of Department, Bursa Uludağ University, Mühendislik Fakültesi, Tekstil Mühendisliği, 2016 - 2019

Head of Department, Bursa Uludağ University, Mühendislik Fakültesi, Tekstil Mühendisliği, 2009 - 2016

Courses

TEK 3074 TEKSTİLDE TASARIM YÖNTEMLERİ I, Undergraduate, 2016 - 2017, 2017 - 2018
TEK2012 KONFEKSİYONA GİRİŞ, Undergraduate, 2016 - 2017, 2017 - 2018
TEK3042 İŞ VE ZAMAN ETÜDÜ, Undergraduate, 2017 - 2018
TEK 4049 KONFEKSİYONDA ORGANİZASYON VE PLANLAMA, Undergraduate, 2017 - 2018
TEK 4084 TEKSTİL İŞLETMELERİNDE SÜREÇ YÖNETİMİ, Undergraduate, 2017 - 2018
TEK5031 GİYSİ KONFORU, Postgraduate, 2016 - 2017, 2017 - 2018
TEK3085 KONFEKSİYON TEKNOLOJİSİ, Undergraduate, 2016 - 2017, 2017 - 2018
TEK4002 BİTİRME PROJESİ, Undergraduate, 2016 - 2017, 2017 - 2018
TEK6186 DOKTORA UZMANLIK ALAN DERSİ, Doctorate, 2016 - 2017, 2017 - 2018
TEK 4075 TEKSTİLDE TASARIM YÖNTEMLERİ II, Undergraduate, 2016 - 2017, 2017 - 2018
TEK5184 YÜKSEL LİSANS UZMANLIK ALAN DERSİ, Postgraduate, 2017 - 2018
TEK4064 TEKSTİL İŞLETMELERİNDE SÜREÇ YÖNETİMİ, Undergraduate, 2016 - 2017
TEK 3042 KONFEK. İŞ VE ZAMAN ETÜDÜ, Undergraduate, 2016 - 2017
TEK5184 YÜKSEK LİSANS UZMANLIK ALAN DERSİ, Postgraduate, 2016 - 2017
TEK4049 KONFEKSİYONDA ORG. VE PLANLAMA, Undergraduate, 2016 - 2017
TEK4105 BİTİRME PROJESİ HAZIRLIK DERSİ, Undergraduate, 2016 - 2017

Advising Theses

KAPLANGİRAY B., Investigating thermophysiological and aerobic performance properties of different raw material and knitting sport clothes, Doctorate, E.TAŞTAN(Student), 2018
KAPLANGİRAY B., Investigation of heat and moisture properties of some knitted fabrics in active sportswear clothing, Postgraduate, E.TAŞTAN(Student), 2013
KAPLANGİRAY B., Analysis of needle temperature and sewing thread tension on sewing machines, Postgraduate, P.KONCER(Student), 2013
KAPLANGİRAY B., Investigation of the effect of lubricant application on sewing threads performance properties and on seam breaking strength, Postgraduate, E.YÜKSELTAN(Student), 2010
KAPLANGİRAY B., Comfort properties of functional cloths used for the military, Postgraduate, E.KARALOMLU(Student), 2010
KAPLANGİRAY B., A scor model application for textile sector in supply chain, Postgraduate, Z.SARIYER(Student), 2010
Meriç B., Objective measurement and evaluation of seam puckering on different fabric structures, Postgraduate, F.Süvari(Student), 2008
KAPLANGİRAY B., Investigation of the effects of some fabric parameters to the seam pucker, Postgraduate, H.CANDAN(Student), 2007
Meriç B., An investigation for sewing problems of elastic fabrics in clothing industry, Doctorate, A.Gürarda(Student), 2005
KAPLANGİRAY B., Investigating the comfort properties of sportswear clothings, Doctorate, S.GÜNEŞOĞLU(Student), 2005
KAPLANGİRAY B., Konfeksiyon sanayiinde lcyralı kumaşların dikiş problemlerinin incelenmesi, Doctorate, A.GÜRARDA(Student), 2005
KAPLANGİRAY B., The examination of the sewing performance on fabrics with different anti-creasing finishing materials, Postgraduate, A.MELEK(Student), 2005
KAPLANGİRAY B., Investigation of the effects of dimensional changes of knitted fabrics on ready made clothes, Postgraduate, F.DEMİRHAN(Student), 2004
KAPLANGİRAY B., Investigation of the effects of sewing yarn parameters on seam performance, Postgraduate, A.DURMAZ(Student), 2004
KAPLANGİRAY B., Building a quality and control system for a confection company, Postgraduate, D.GÖKTAŞ(Student), 2003
KAPLANGİRAY B., Productivity analyses in a factory producing upholstery fabric, Postgraduate, A.ÖZKAL(Student), 2000
KAPLANGİRAY B., The investigation of the occurrence of distribution times and their shares in production times in an

apparel plant, Postgraduate, S.KİREMİTÇİ(Student), 1999

KAPLANGİRAY B., Analyzing the structural properties of interlining fabrics, Postgraduate, V.YENGİNER(Student), 1999

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Finite element analysis of the tensile strength of laminated fabric for automotive seat covers**
Çakmak S., Kaplangiray B., Dal M., Sariçam S., Mecit D.
TEXTILE RESEARCH JOURNAL, vol.0, no.0, pp.1-13, 2022 (Peer-Reviewed Journal)
- II. **Thermophysiological comfort properties of different knitted fabrics used in cycling clothes**
Ozkan E. T. , Meric B.
TEXTILE RESEARCH JOURNAL, vol.85, no.1, pp.62-70, 2015 (Peer-Reviewed Journal)
- III. **THE EFFECTS OF SEWING THREAD PROPERTIES ON THE NEEDLE THREAD TENSION IN AN INDUSTRIAL SEWING MACHINE**
Koncer P., GÜRARDA A., KAPLANGİRAY B., KANIK M.
TEKSTİL VE KONFEKSİYON, vol.24, no.1, pp.118-123, 2014 (Peer-Reviewed Journal)
- IV. **The effects of various lubricants on the friction properties of sewing threads**
GÜRARDA A., Yukseltan E., KAPLANGİRAY B., KANIK M.
TEXTILE RESEARCH JOURNAL, vol.83, no.12, pp.1273-1282, 2013 (Peer-Reviewed Journal)
- V. **THE EFFECTS OF LUBRICANTS ON THE STIFFNESS OF SEWING THREADS**
GÜRARDA A., KAPLANGİRAY B., KANIK M., Yukseltan E.
TEKSTİL VE KONFEKSİYON, vol.21, no.3, pp.272-279, 2011 (Peer-Reviewed Journal)
- VI. **SLIPPAGE AND GRINNING BEHAVIOUR OF LOCKSTITCH SEAMS IN ELASTIC FABRICS UNDER CYCLIC LOADING CONDITIONS**
GÜRARDA A., Meric B.
TEKSTİL VE KONFEKSİYON, vol.20, no.1, pp.65-69, 2010 (Peer-Reviewed Journal)
- VII. **The effects of elastane yarn type and fabric density on sewing needle penetration forces and seam damage of PET/elastane woven fabrics**
Gurarda A., Meric B.
FIBRES & TEXTILES IN EASTERN EUROPE, vol.15, no.4, pp.73-76, 2007 (Peer-Reviewed Journal)
- VIII. **The analysis of personal and delay allowances using work sampling technique in the sewing room of a clothing manufacturer**
Gunesoglu S., Meric B.
INTERNATIONAL JOURNAL OF CLOTHING SCIENCE AND TECHNOLOGY, vol.19, pp.145-150, 2007 (Peer-Reviewed Journal)
- IX. **The effects of silicone and pre-fixation temperature on the elastic properties of cotton/elastane woven fabrics**
Gurarda A., Meric B.
AATCC REVIEW, vol.5, no.9, pp.53-56, 2005 (Peer-Reviewed Journal)
- X. **Effect of thread structure and lubrication ratio on seam properties**
Meric B., Durmaz A.
INDIAN JOURNAL OF FIBRE & TEXTILE RESEARCH, vol.30, no.3, pp.273-277, 2005 (Peer-Reviewed Journal)
- XI. **Sewing needle penetration forces and elastane fiber damage during the sewing of cotton/elastane woven fabrics**
Gurarda A., Meric B.
TEXTILE RESEARCH JOURNAL, vol.75, no.8, pp.628-633, 2005 (Peer-Reviewed Journal)
- XII. **Thermal contact properties of 2-yarn fleece knitted fabrics**
Gunesoglu S., Meric B., Gunesoglu C.
FIBRES & TEXTILES IN EASTERN EUROPE, vol.13, no.2, pp.46-50, 2005 (Peer-Reviewed Journal)
- XIII. **Investigation of the performance of linings**
Kalaoglu F., Meric B.

Articles Published in Other Journals

- I. **Effect of Loop Length On Thermal Comfort Properties of Mesh Knitted Fabrics**
Taştan Özkan E., Kaplangiray B.
Tekstil ve Mühendis, vol.27, no.120, pp.243-251, 2020 (Peer-Reviewed Journal)
- II. **Investigating Thermophysiological Comfort Properties of Fabrics Used in Athlete Clothes**
Taştan Özkan E., Kaplangiray B.
Journal of Fashion Technology Textile Engineering, vol.8, no.3, 2020 (Peer-Reviewed Journal)
- III. **Investigating thermophysiological comfort properties of polyester knitted fabrics**
TAŞTAN ÖZKAN E., KAPLANGIRAY B.
Journal of Textile Engineering Fashion Technology, vol.5, no.1, pp.50-56, 2019 (Peer-Reviewed Journal)
- IV. **THERMOPHYSIOLOGICAL COMFORT PROPERTIES OF DIFFERENT CLOTHES AFTER AN ACTIVITY PERIOD**
Taştan Özkan E., Kaplangiray B., Şekir U.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.24, no.3, pp.1-12, 2019 (Peer-Reviewed Journal)
- V. **APPLYING THE ARTIFICIAL NEURAL NETWORK TO PREDICT THE THERMAL PROPERTIES OF KNITTED FABRICS**
GÜNEŞOĞLU S., KAPLANGIRAY B.
Vlatka a Textil, vol.26, no.1, pp.41-44, 2019 (Peer-Reviewed Journal)
- VI. **Askeri Giyimde Kullanılan Dokuma Kumaşların Nem İletimi Özelliklerinin İncelenmesi**
Taştan Özkan E., Kaplangiray B.
Uludağ Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.20, no.1, pp.51-63, 2015 (Peer-Reviewed Journal)
- VII. **Kumaş Kat Sayısının İğne Batış Kuvvetine Etkisinin İncelenmesi**
Gürarda A., Kaplangiray B., Koncer P.
Uludağ Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.18, no.1, pp.51-59, 2013 (Peer-Reviewed Journal)
- VIII. **Yağlama İşleminin Dikiş İpliklerinin Özellikleri ve Dikiş Performansı Üzerine Etkileri**
GÜRARDA A., KAPLANGIRAY B., KANIK M.
Tekstil ve Mühendis, vol.18, no.82, 2011 (Peer-Reviewed Journal)
- IX. **Yağlama İşleminin Dikiş Performansı Üzerine Etkileri**
Gürarda A., Kaplangiray B., Kanik M.
Tekstil ve Mühendis, vol.18, no.82, pp.19-25, 2011 (Peer-Reviewed Journal)
- X. **Görüntü Analizi Yaklaşımı ile Dikiş Büzülmesi Ölçümü**
SÜVARİ F., KAPLANGIRAY B.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.13, no.2, pp.35-44, 2008 (Peer-Reviewed Journal)
- XI. **Elastanlı Dokuma Kumaşlarda Kumaş Yapısının ve Dikim Açısının Dikim Mukavemeti Üzerine Etkisi**
Gürarda A., Kaplangiray B.
Tekstil Maraton, vol.96, no.3, pp.63-71, 2008 (Peer-Reviewed Journal)
- XII. **Görüntü Analizi Yaklaşımı İle Dikiş Büzülmesi Ölçüm**
Süvari F., Kaplangiray B.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.13, no.2, 2008 (Peer-Reviewed Journal)
- XIII. **Giysi ve Kumaşlarda Termal temas Hissi**
GÜNEŞOĞLU S., KAPLANGIRAY B.
Tekstil ve Mühendis, no.64, pp.33-37, 2006 (Peer-Reviewed Journal)
- XIV. **THE SEARCHING OF DIMENSIONAL CHANGES ON THE KNITTED FABRICS AND GARMENTS AFTER WASHING AND DRYING**
Demirhan F., Meric B.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK

BILIMLERİ DERGİSİ, vol.11, no.3, pp.381-390, 2005 (Peer-Reviewed Journal)

- XV. **Örme Kumaşlarda ve Giysilerde Yıkama ve Kurutma Sonrası Boyutsal Değişimlerin İncelenmesi**
Demirhan F., Kaplangiray B.
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.11, no.3, 2005 (Peer-Reviewed Journal)
- XVI. **Döşemelik Kumaş Üreten Bir İşletmede Randıman Analizi**
Özkal A., Kaplangiray B.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.7, no.1, 2002 (Peer-Reviewed Journal)
- XVII. **Dikiş Büzülmesinin Ölçülmesinde Objektif Yaklaşımlar II**
Kaplangiray B., Gürarda A.
Konfeksiyon Teknik, no.6, pp.98-100, 2001 (Peer-Reviewed Journal)
- XVIII. **Dikiş Büzülmesinin Ölçülmesinde Objektif Yaklaşımlar I**
Kaplangiray B., Gürarda A.
Konfeksiyon Teknik, no.5, pp.80-82, 2001 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Woven Fabric Deformation in Automotive Seat Cover Form**
Çakmak S., Kaplangiray B.
OTEKON 2020, Bursa, Turkey, 06 September 2021
- II. **Determination of the Body Temperature of Athletes During Pre-exercise and After Exercise Periods with a Thermal Camera**
Taştan Özkan E., Kaplangiray B.
17. Ulusal 3. Uluslararası Tekstil Teknolojisi ve Kimyasındaki Son Gelişmeler Sempozyumu, 20 - 22 November 2019, pp.93-97
- III. **Applying the Neural Network to Predict the Thermal Properties of Knitted Fabrics**
GÜNEŞOĞLU S., KAPLANGİRAY B.
22 nd STRUTEX, Liberec, Czech Republic, 5 - 07 December 2018, pp.97-102
- IV. **Investigating comfort properties of 3/1 Z twill weaved denim fabrics**
Ozkan E. T. , Kaplangiray B.
17th World Textile Conference of the Association-of-Universities-for-Textiles (AUTEX) - Shaping the Future of Textiles, Greece, 29 - 31 May 2017, vol.254
- V. **Effects Of Ozone Treatment On Moisture Transmission Properties Of Some Knitted Fabrics**
TAŞTAN ÖZKAN E., KAPLANGİRAY B., EREN H. A.
14th AUTEX World Textile Conference, 26 - 28 May 2014
- VI. **Investigation of Sewing Needle Temperatures with Different Sewing Threads**
Pınar K., Gürarda A., Kaplangiray B., Kanık M.
14th Autex World Textile Conference 2014, Bursa, Turkey, 26 - 28 May 2014
- VII. **Innovative And Applicable Techniques**
KUT Y. D. , KAPLANGİRAY B., KANIK M., SALİHOĞLU N. K. , Göksel F.
14.th National 1st International Recent Developments, Textile Technology And Chemistry Symposium, Turkey, 8 - 10 May 2013
- VIII. **INVESTIGATION OF MOISTURE TRANSMISSION PROPERTIES OF SOME KNITTED FABRICS IN ACTIVE SPORTS CLOTHING**
TAŞTAN ÖZKAN E., KAPLANGİRAY B.
14.Ulusal 1. Uluslararası Tekstil Teknolojisi ve Kimyasındaki Son Gelişmeler Sempozyumu, Bursa, Turkey, 8 - 10 May 2013, pp.1-188
- IX. **Dikiş Makinalarında İğne İplik Gerginliğinin ve İğne Sıcaklığının Analizi**
Kaplangiray B., Gürarda A., Koncer P.
Uludağ Üniversitesi II.Bilgilendirme ve Ar-Ge Günleri, Bursa, Turkey, 13 - 15 November 2012
- X. **Lcyr'a'lı Dokuma Kumaşların Dikiş Performansı**

Kaplangiray B., Gürarda A.

ODTÜ Tasarım ve üretim Ar-Ge Proje Pazarı, Ankara, Turkey, 13 - 14 June 2002

XI. Dikiş İpliklerine Uygulanan Yağlama İşleminin Dikim Performansı ve Kalitesi Üzerine Etkisinin Araştırılması

Kaplangiray B., Kanık M., Gürarda A.

Uludağ Üniversitesi I.Bilgilendirme ve Ar-Ge Günleri, Bursa, Turkey, 15 - 16 November 2011

XII. New Measurement and Evaluation Methods of Seam Puckering

SÜVARİ F., KAPLANGIRAY B.

4th International Textile, Clothing & Design Conference, Dubrovnik, Croatia, 5 - 08 October 2008, pp.888-891

XIII. Fabric Loss at Seat Cover Manufacturing and its effect on Production Cost

KAPLANGIRAY B., GÜNEŞOĞLU S., GÜRARDA A.

II. International İstanbul Textile Congress, Turkey, 22 - 24 April 2004

XIV. Determination of Performance Properties of Cotton lycra Woven Fabrics

Kaplangiray B., Gürarda A.

XII. Th. Romanian Conference of Textiles-Leather, Bucuresti, Romania, 9 - 11 October 2003

XV. Bending Properties of Fused Wool Fabrics

KALAOĞLU F., KAPLANGIRAY B.

XII. Th. Romanian Conference of Textiles-Leather, Romania, 9 September - 11 March 2003

XVI. Seam opening of ISO-301 stitched seams in woven stretch fabrics under repeated loading conditions

Kalaoglu F., Meric B.

1st International Textile Clothing and Design Conference, Dubrovnik, Croatia, 6 - 09 October 2002, pp.371-375

Supported Projects

Kaplangiray B., TÜBİTAK Project, DOKUNSA VE VÜCUT HAREKETİ KONFOR ÖZELLİKLERİNE SAHİP DOĞAL LİF KARIŞIMLI DENİM KUMAŞLARIN GELİŞTİRİLMESİ, 2021 - 2023

ŞEKİR U., KAPLANGIRAY B., ŞAHİN Ş., Project Supported by Higher Education Institutions, Farklı Örme Yapılarında Sporcu Giysilerinin Termofizyolojik Konfor Özellikleri ve Aerobik Performans Üzerine Etkileri, 2016 - 2018

KAPLANGIRAY B., Industrial Thesis Project, 1001.stz.2015- Dokuma Kumaş Otomobil Kılıflarında Meydana Gelen Deformasyonların Sonlu Elemanlar Yöntemiyle Analizi, 2016 - 2018

KAPLANGIRAY B., Project Supported by Higher Education Institutions, Spor Giyimde Kullanılan Bazı Örme Kumaş Yapılarının Isı ve Nem İletim Özelliklerinin İncelenmesi, 2012 - 2013

Gürarda A., Kaplangiray B., TÜBİTAK Project, 112M008-Dikiş Makinalarında İğne İplik Gerginliğinin Ve İğne Sıcaklığının Analizi, 2012 - 2013

GÜRARDA A., KAPLANGIRAY B., KANIK M., Project Supported by Higher Education Institutions, MU 2009 37 Dikiş ipliklerine uygulanan yağlama işleminin dikim performansı ve kalitesi üzerine etkilerinin araştırılması, 2009 - 2012

Metrics

Publication: 48

Citation (WoS): 189

Citation (Scopus): 224

H-Index (WoS): 9

H-Index (Scopus): 10