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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği (Dr), Turkey 1998 - 2003

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği (Yl), Turkey 1994 - 1997

Undergraduate, Istanbul Technical University, Tekstil Teknolojileri Ve Tasarımı Fakültesi, Tekstil Mühendisliği Bölümü, Turkey 1990 - 1994

Foreign Languages

English

Research Areas

Technical Sciences, Textile Engineering and Technology

Academic Titles / Tasks

Professor, Istanbul Technical University, Tekstil Teknolojileri Ve Tasarımı Fakültesi, Tekstil Mühendisliği Bölümü, 1995 - Continues

Academic and Administrative Experience

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

İstanbul Teknik Üniversitesi, Rektörlük, 2015 - 2016

İstanbul Teknik Üniversitesi, Tekstil Teknolojileri Ve Tasarımı Fakültesi, Tekstil Mühendisliği Bölümü, 2011 - 2016

İstanbul Teknik Üniversitesi, Tekstil Teknolojileri Ve Tasarımı Fakültesi, Tekstil Mühendisliği Bölümü, 2011 - 2016

İstanbul Teknik Üniversitesi, Tekstil Teknolojileri Ve Tasarımı Fakültesi, Tekstil Mühendisliği Bölümü, 2008 - 2015

İstanbul Teknik Üniversitesi, Tekstil Teknolojileri Ve Tasarımı Fakültesi, Tekstil Mühendisliği Bölümü, 2008 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Mechanical, thermo-mechanical and thermal characteristics of multi-walled carbon nanotubes-added textile-reinforced composites**
Sezgin H., Mishra R., Militky J., Berk Berkalp Ö. B.
JOURNAL OF INDUSTRIAL TEXTILES, vol.50, no.5, pp.692-715, 2020 (SCI-Expanded)
- II. **Effect of MWCNTs addition, on the mechanical behaviour of FRP composites, by reinforcement grafting and matrix modification**
Shahbaz S. R., Berkalp Ö. B.
JOURNAL OF INDUSTRIAL TEXTILES, vol.50, no.2, pp.205-223, 2020 (SCI-Expanded)
- III. **Analysis of the effects of fabric reinforcement parameters on the mechanical properties of textile-based hybrid composites by full factorial experimental design method**
Sezgin H., Berkalp Ö. B.
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- IV. **Impact of biaxial square woven jute fabric reinforcement on mechanical performance of polyester-based composites**
Sezgin H., Enis I. Y., Berkalp Ö. B.
INDIAN JOURNAL OF FIBRE & TEXTILE RESEARCH, vol.43, no.2, pp.252-256, 2018 (SCI-Expanded)
- V. **The effect of hybridization on significant characteristics of jute glass and jute carbon reinforced composites**
SEZGİN H., Berkalp Ö. B.
JOURNAL OF INDUSTRIAL TEXTILES, vol.0, 2016 (SCI-Expanded)
- VI. **A new approach for the development of textile waste cotton reinforced composites (T-FRP): laminated hybridization vs. coupling agents**
Bodur M. S., Bakkal M., SAVAS M., BERKALP Ö. B.
JOURNAL OF POLYMER ENGINEERING, vol.34, no.7, pp.639-648, 2014 (SCI-Expanded)
- VII. **Utilization of various non-woven waste forms as reinforcement in polymeric composites**
Yalcin I., SADIKOGLU T. G., BERKALP Ö. B., Bakkal M.
TEXTILE RESEARCH JOURNAL, vol.83, no.15, pp.1551-1562, 2013 (SCI-Expanded)
- VIII. **The effect of reprocessing on the mechanical properties of the waste fabric reinforced composites**
Bakkal M., BODUR M. S., Berkalp Ö. B., Yılmaz Ş.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.212, no.11, pp.2541-2548, 2012 (SCI-Expanded)
- IX. **FINITE ELEMENT MODELING OF RANDOM WASTE COTTON FIBER REINFORCED POLYETHYLENE COMPOSITES**
GERIKALMAZ S., Yılmaz Ş., Bakkal M., Berkalp Ö. B.
TEKSTİL VE KONFEKSİYON, vol.22, no.4, pp.293-300, 2012 (SCI-Expanded)
- X. **Investigation of the Mechanics and Performance of Woven Fabrics Using Objective Evaluation Techniques Part I The Relationship Between FAST KES F and Cusick s Drape Meter Parameters**
Tokmak Ö., Berkalp Ö. B., Gelsak J.
Fibers and Textiles in Eastern Europe, vol.0, 2010 (SCI-Expanded)
- XI. **DESIGN AND PERFORMANCE ANALYSIS OF A PAD INTEGRATED DISPOSABLE NONWOVEN UNDERWEAR**
Berkalp Ö. B., Sadikoglu T. G.
TEKSTİL VE KONFEKSİYON, vol.20, no.1, pp.70-74, 2010 (SCI-Expanded)
- XII. **Ped Entegre Edilmiş bir Nonwoven İç Çamaşırı Tasarımı ve Performans Analizi**
Berkalp Ö. B., Gök Sadıkoğlu Ü. T.
Tekstil ve Konfeksiyon, vol.0, 2010 (SCI-Expanded)
- XIII. **INVESTIGATION OF IMPACT AND TENSILE BEHAVIOURS OF WASTE FABRIC REINFORCED POLYMER COMPOSITES**
Aral N., Bakkal M., Berkalp Ö. B., Sadikoglu T. G.
TEKSTİL VE KONFEKSİYON, vol.19, no.2, pp.139-144, 2009 (SCI-Expanded)
- XIV. **Atık Kumaş Takviyeli Polimer Matrisli Kompozitlerin Darbe ve Çekme Davranışlarının İncelenmesi**
Aral N., Berkalp Ö. B., Bakkal M., Gök Sadıkoğlu Ü. T.

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XV. Air permeability & porosity in spun-laced fabrics

Berkalp Ö. B.

FIBRES & TEXTILES IN EASTERN EUROPE, vol.14, no.3, pp.81-85, 2006 (SCI-Expanded)

XVI. Air Permeability and Porosity in Spunlaced Fabrics

Berkalp Ö. B.

Fibers and Textiles in Eastern Europe, vol.0, 2006 (SCI-Expanded)

XVII. Texture Retention after Fabric to Fabric Abrasion in Nonwovens

Berkalp Ö. B., Pourdeyhimi B., Holmes R., Seyam A.

TEXTILE RESEARCH JOURNAL, vol.0, 2003 (SCI-Expanded)

XVIII. Effects of Different Structural Parameters on Carpet Physical Properties

Önder Karaoğlu E., Berkalp Ö. B.

TEXTILE RESEARCH JOURNAL, vol.0, 2001 (SCI-Expanded)

XIX. Market Research for the Turkish Tufted Carpet Sector

Çıtak Ü., Candan C., Berkalp Ö. B.

JOURNAL OF THE TEXTILE INSTITUTE, vol.92, pp.19-31, 2001 (SCI-Expanded)

XX. DISPOSABLE UNDERARM PAD DESIGN

Berkalp Ö. B., Gök Sadıkoğlu Ü. T., Turan G.

TEKSTİL VE KONFEKSİYON, vol.21, no.3, pp.217-224, 1900 (SCI-Expanded)

Articles Published in Other Journals

I. Improvement of Mechanical Properties of Jute/E-Glass Reinforced Hybrid Composites

SEZGİN H., BERKALP Ö. B.

IOP Conference Series: Materials Science and Engineering, 2018 (Peer-Reviewed Journal)

II. Textile-Reinforced Composites for the Automotive Industry

Sezgin H., Berkalp Ö. B.

COMPOSITES AND ADVANCED MATERIALS FOR INDUSTRIAL APPLICATIONS, pp.129-156, 2018 (Peer-Reviewed Journal)

III. Thermo-mechanical Analysis of Jute, E-glass and Carbon Fabrics

Sezgin H., Berkalp Ö. B.

Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.32, no.2, pp.183-194, 2017 (Peer-Reviewed Journal)

IV. Examination of the Thermo-mechanical Properties of E-Glass/Carbon Composites

SEZGİN H., BERKALP Ö. B., Mishra R., Militky J.

Textilec, 2017 (Peer-Reviewed Journal)

V. Investigation of Dynamic Mechanical Properties of Jute/Carbon Reinforced Composites

Sezgin H., Berkalp Ö. B., Mishra R., Militky J.

International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering, no.10, pp.1492-1495, 2016 (Peer-Reviewed Journal)

VI. Ses Yutumunda Kullanılacak Yün Takviyeli Kompozit Malzeme Tasarımı

KÜÇÜKALİ ÖZTÜRK M., NERGİS F. B., CANDAN C., BERKALP Ö. B.

Tekstil Teknik, 2015 (Peer-Reviewed Journal)

VII. Effect of Recycled LDPE Matrix on the Properties of Waste Cotton Fiber Reinforced WCF R Composites

BODUR M. S., HASRET ECE S., BERKALP Ö. B., BAKKAL M.

Usak University Journal of Material Sciences, vol.1, pp.135-141, 2014 (Peer-Reviewed Journal)

VIII. Re-Evaluation of Cotton and E-Glass Fibre Fabric Wastes in the Manufacture of Hybrid Composites

Sezgin H., Yalçın Eniş İ., Berkalp Ö. B.

Journal of International Scientific Publications: Materials Methods & Technology, vol.6, no.2, pp.296-302, 2012

(Peer-Reviewed Journal)

IX. Tarımda Geleneksel Sulama Sistemlerine Alternatif Bir Yöntem; Tekstille Sulama - An Alternative Method to Conventional Irrigation in Agriculture; Irrigation by Textile

Yalçın Eniş İ., Gök Sadıkoğlu Ü. T., Berkalp Ö. B.

tekstil & teknik, vol.26, no.304, pp.164-172, 2010 (Peer-Reviewed Journal)

Supported Projects

Berkalp Ö. B., Project Supported by Higher Education Institutions, Jüt / Cam Kumaş Takviyeli Kompozit Malzemelerin Dinamik Mekanik Analizi, 2016 - 2018

Berkalp Ö. B., Project Supported by Higher Education Institutions, Jüt/Cam/Karbon nano hibrit kompozitlerin geliştirilmesi, 2016 - 2018

Berkalp Ö. B., Project Supported by Higher Education Institutions, Cam/Karbon Hibrit Kompozit Malzemelerin Mekanik Özelliklerinin İncelenmesi, 2015 - 2018

Berkalp Ö. B., Project Supported by Higher Education Institutions, Eko Dost Ses Yutum Kompozit Paneller, 2013 - 2018

Berkalp Ö. B., Project Supported by Higher Education Institutions, The Usage Nowovens in Agricultural Irrigation Systems, 2012 - 2018

Berkalp Ö. B., Project Supported by Higher Education Institutions, Geri Dönüşüm İşleminin Tekstil Atığı Takviyeli Kompozit Malzemelerin Çekme Özellikleri Üzerine Etkisi, 2010 - 2018

Berkalp Ö. B., Project Supported by Higher Education Institutions, ATIK POLİETTİLEN TEREFTALAT KUMAŞ TAKVİYELİ POLYESTERİN DARBE MUKAVİYETİNİN İNCELENMESİ, 2009 - 2018

Berkalp Ö. B., Project Supported by Higher Education Institutions, Kumaş Kırışıklığının Objektif Değerlendirilmesi, 2004 - 2018

Berkalp Ö. B., Project Supported by Higher Education Institutions, Cam Elyaf Hibrid Kompozit Malzemelerin Ara Yüzeylerinin İncelenmesi, 2014 - 2017

Berkalp Ö. B., Project Supported by Higher Education Institutions, Karbon/Cam Hibrit Kompozitlerde Karbon Nanotüp Graftlama Tekniğinin Mekanik Özelliklere Etkisinin İncelenmesi, 2015 - 2016

Berkalp Ö. B., Project Supported by Higher Education Institutions, Tekstil Atıklardan Oluşturulan Kompozitlerin Performans Özelliklerinin İncelenmesi, 2009 - 2010

Metrics

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