

Assoc. Prof. ŞÜKRAN KARA

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: P-9450-2019

ScopusID: 55330395400

Yoksis Researcher ID: 177549

Education Information

2019 - 2023	Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Nanobilim Ve Nanomühendislik (YI) (Tezli), Turkey
2011 - 2017	Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği (Dr), Turkey
2008 - 2011	Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği (YI) (Tezli), Turkey
2005 - 2008	Undergraduate, Dokuz Eylul University, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü, Turkey
2004 - 2005	Undergraduate, Pamukkale University, Faculty Of Engineering, Department Of Textile Engineering, Turkey

Foreign Languages

English, C2 Mastery

Dissertations

2023	Development of textile based wall coverings for nuclear protection, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Nanobilim ve Nanomühendislik, Postgraduate
2017	Fonksiyonel bir spor giysisi tasarımı, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği (Dr), Doctorate
2011	Farklı enine kesit şekillerinde üretilen kimyasal liferin yapısal davranışları ve kullanım özelliklerinin incelenmesi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği (YI) (Tezli), Postgraduate

Research Areas

Confection Technology, Textile Design, Technical Textiles, Nanomaterials

Academic Titles / Tasks

2022 - Continues	Associate Professor, Dokuz Eylul University, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü
2010 - Continues	Research Assistant, Dokuz Eylul University, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü

Academic and Administrative Experience

2023 - Continues	Anket Hazırlama ve Uygulama Komisyonu Başkanı, Dokuz Eylül University, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü
2023 - Continues	MÜDEK Koordinasyon ve Raporlama Komisyonu Üyesi, Dokuz Eylül University, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü
2022 - Continues	Kariyer Planlama Komisyonu Bölüm Koordinatörü, Dokuz Eylül University, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü
2020 - 2023	Tekstil Mühendisliği Bölümü Kariyer Temsilcisi, Dokuz Eylül University, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü
2019 - 2023	Tekstil Mühendisliği Bölümü Dış Danışmanlık Koordinatörlüğü Üyesi, Dokuz Eylül University, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü
2010 - 2023	Tekstil Mühendisliği Bölümü Staj Komisyonu Üyesi, Dokuz Eylül University, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü

Courses

2023 - 2024	TEKSTİLDE ÜRÜN VE SÜREÇ TASARIMI II, Undergraduate
2023 - 2024, 2022 - 2023	Computer Programming, Undergraduate
2022 - 2023	BİTİRME PROJESİ, Undergraduate
2023 - 2024	TEXTILE RECYCLING, RECOVERY AND SUSTAINABILITY, Associate Degree
2022 - 2023	Pattern Making, Undergraduate

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Enhancing electromagnetic interference shielding performance of polyester fabrics through composite polymer coating with metal oxides and expanded graphite**
Özdemir E. T., Ertekin Z., Kara Ş., Erol M., Seçmen M.
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, vol.35, no.1711, pp.1-14, 2024 (SCI-Expanded)
- II. **Ultrasonic weldability of thick and heavier nonwoven fabrics**
Kara S.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.00, no.online, pp.1-15, 2024 (SCI-Expanded)
- III. **SINGLE AND HYBRID EFFECTS OF NANO-TiO₂ AND -ZnO PARTICLES ON MULTIFUNCTIONAL PROPERTIES OF TEXTILES**
Kara S., Nurlu T., Yavaş A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.141, no.11, pp.1-15, 2024 (SCI-Expanded)
- IV. **Mechanical and in-use properties of nonwoven fabrics made of bicomponent microfilament PET/PA fibers**
Kara Ş.
JOURNAL OF THE TEXTILE INSTITUTE, vol.00, no.onlinepublished, pp.1-10, 2023 (SCI-Expanded)
- V. **Investigation of Moisture Management and Frictional Characteristics of Top Layers Used in Disposable Absorbent Hygiene Products**
Atasagun H. G., Kara Ş.
FIBERS AND POLYMERS, vol.23, no.9, pp.2577-2585, 2022 (SCI-Expanded)
- VI. **Effects of Different Stitch Types and Stitch Combinations on the Seam Bursting Strength and Seam Strength of Workwear**
Kara Ş.
TEKSTİL VE KONFEKSİYON, vol.32, no.2, pp.146-154, 2022 (SCI-Expanded)
- VII. **Comparison of Cantilever, Heart Loop and Circular Bending Test Methods in Determining the**

Bending Behaviours of Sewn Woven Polyester Fabrics

Kara Ş.

TEKSTİL VE KONFEKSİYON, vol.31, no.2, pp.82-90, 2021 (SCI-Expanded)

VIII. Comparative Study on the Properties of Taped Seams with Different Constructions

Kara Ş., Yeşilpınar S.

FIBRES & TEXTILES IN EASTERN EUROPE, vol.29, no.2, pp.54-60, 2021 (SCI-Expanded)

IX. Effects of wetting and compression/recovering time on the compressional behaviour of sanitary napkin layers

Kara Ş.

INDUSTRIA TEXTILA, vol.72, no.4, pp.368-377, 2021 (SCI-Expanded)

X. Comparison of sewn fabric bending rigidities: effects of different stitch types and seam directions

Kara Ş.

INDUSTRIA TEXTILA, vol.71, no.2, pp.105-111, 2020 (SCI-Expanded)

XI. Design of an electronically equipped sailing garment for improved safety

Kara Ş., Yeşilpınar M. S., Şenol Y., Akkan T.

INDUSTRIA TEXTILA, vol.68, no.1, pp.23-30, 2017 (SCI-Expanded)

XII. Structural and Antibacterial Properties of PP/CuO Composite Filaments Having Different Cross Sectional Shapes

Kara Ş., Ureyen M. E., Erdoğan Ü. H.

INTERNATIONAL POLYMER PROCESSING, vol.31, no.4, pp.398-409, 2016 (SCI-Expanded)

XIII. Effect of Polypropylene Fiber Cross Sectional Shapes on Some Structural/Mechanical Fiber Properties and Compressibility Behaviour of Plain Knitted Fabrics

Kara Ş., Erdoğan Ü. H., Erdem N.

FIBERS AND POLYMERS, vol.13, no.6, pp.790-794, 2012 (SCI-Expanded)

Articles Published in Other Journals

I. Seam Performance of Nonwoven Apparel Fabrics

KARA Ş.

Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.26, no.2, pp.314-320, 2022 (Peer-Reviewed Journal)

II. Examination of Waterproof Pockets as Protective Carriers for Smart Garments

Akkan T., Kara Ş., Ağin B., Yeşilpınar M. S., Şenol Y.

Tekstil ve Mühendis (Journal of Textiles and Engineer), vol.29, no.126, pp.80-87, 2022 (Peer-Reviewed Journal)

III. A Research Study about the Expectations from Sanitary Napkins, Current Problems and Design of a Functional Sanitary Napkin

Kara Ş.

Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.37, no.1, pp.74-90, 2021 (Peer-Reviewed Journal)

IV. A survey and design study of a protective cycling top wear

Kara Ş., Yeşilpınar S., Arslan M.

Vlakna a Textil, vol.28, no.1, pp.31-44, 2021 (Scopus)

V. PROPERTIES OF 2-LAYERED AND 3-LAYERED LAMINATED SAILING GARMENTS

KARA Ş., YEŞİLPINAR M. S.

INTERNATIONAL JOURNAL OF APPLIED RESEARCH ON TEXTILE, pp.12-22, 2019 (Peer-Reviewed Journal)

VI. Permeability properties and abrasion resistance of coated polypropylene fabrics

Kara Ş., Yeşilpınar S., Akşit A.

Vlakna a Textil, vol.25, no.2, pp.40-47, 2018 (Scopus)

VII. Fonksiyonel bir yelken giysisi tasarımı için sporcu gereksinimlerinin belirlenmesi

KARA Ş., YEŞİLPINAR M. S.

Tekstil ve Mühendis, vol.24, no.108, pp.290-304, 2017 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **PERMEABILITY AND LIQUID MANAGEMENT PROPERTIES OF NONWOVEN FABRICS MADE OF BIODEGRADABLE FIBERS**
Devrim G., Sülar V., Bozoner D., Kara Ş.
2nd INTERNATIONAL SYMPOSIUM SERIES ON GRADUATE RESEARCHES 2023- Engineering Science and Technology, İzmir, Turkey, 21 - 22 December 2023
- II. **Mechanical properties of nonwoven fabrics made of bicomponent microfilaments**
KARA Ş.
8th INTERNATIONAL TECHNICAL TEXTILES CONGRESS, İzmir, Turkey, 13 October 2022
- III. **NUCLEAR RADIATION SHIELDING PROPERTY OF RED MUD AND BISMUTH OXIDE COATED FABRICS**
KARA Ş., EROL M., TAŞKÖPRÜ C., DURKAN K.
5. International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology (IMSMATEC'22), Nevşehir, Turkey, 03 September 2022
- IV. **EFFECTS OF WASHING ON THE SEAM STRENGTH OF SAMPLES PRODUCED VIA DIFFERENT SEAM ASSEMBLING METHODS**
KARA Ş., YEŞİLPINAR M. S.
XVth International İzmir Textile and Apparel Symposium, İzmir, Turkey, 26 - 28 October 2021, pp.124-129
- V. **EFFECTS OF ARAMID SEWING YARN TYPE AND FABRIC COMPOSITIONS ON SOME SEAM PROPERTIES OF HIGH PERFORMANCE FIRE RETARDANT FABRICS**
KARA Ş.
THE 10th INTERNATIONAL CONFERENCE TEXTEH 2021, Bükreş, Romania, 21 October 2021, pp.116-122
- VI. **Effects of different stitch combinations on the seam bursting characteristics of PET/Co workwear**
KARA Ş.
INTERNATIONAL CONFERENCES ON SCIENCE AND TECHNOLOGY- Engineering Science and Technology, Budva, Montenegro, KARADAĞ, 8 - 10 September 2021, pp.169-175
- VII. **A Comparative Study on the Permeability and Sensorial Comfort Related Mechanical Properties of Sanitary Napkin Layers**
KARA Ş.
17th NATIONAL 3rd INTERNATIONAL THE RECENT PROGRESS SYMPOSIUM ON TEXTILE TECHNOLOGY AND CHEMISTRY, Bursa, Turkey, 20 - 22 November 2019, pp.104-107
- VIII. **Inertial Measurement Unit Sensor Supported Bluetooth Based Fall Detection System for Sailors**
AĞIN B., YEŞİLPINAR M. S., AKKAN T., ŞENOL Y., KARA Ş.
International Conference on Engineering Technologies (ICENTE 2019), Konya, Turkey, 25 - 27 October 2019
- IX. **Properties of 2-layered and 3-layered laminated sailing garments**
KARA Ş., YEŞİLPINAR M. S.
The 8th International Conference of Applied Research on Textile, CIRAT-8, Monastir, Tunisia, 9 - 10 November 2018
- X. **EFFECTS OF CALENDERING AND FLUOROCARBON TREATMENT ON WATERPROOFNESS OF COATED POLYPROPYLENE FABRICS**
KARA Ş., YEŞİLPINAR M. S.
7th International Technical Textiles Congress, İzmir, Turkey, 10 - 12 October 2018
- XI. **Askeri amaçlı balistik eldivenlerin performanslarının kompozit lif ve kaplama ile geliştirilmesi**
SEKİ Y., KARA Ş.
UTİB Türkiye Tekstil ve Konfeksiyon Sektöründe X. Uluslararası AR-GE Proje Pazarı, Bursa, Turkey, 8 - 09 March 2018, pp.24
- XII. **Piezoelektrik tekstillerin geliştirilmesi ve askeri giysilerde enerji üretimi amaçlı kullanımı**
KARA Ş., AKKAN T.
UTİB Türkiye Tekstil ve Konfeksiyon Sektöründe X. Uluslararası AR-GE Proje Pazarı, Bursa, Turkey, 8 - 09 March 2018, pp.31
- XIII. **FARKLI TİPLERDE POLİTETRAFLORETİLEN MEMBRANLARLA LAMİNE EDİLMİŞ KUMAŞLARIN ÖZELLİKLERİ**

- KARA Ş., YEŞİLPINAR M. S.
3. Uluslararası Lif ve Polimer Araştırmaları Sempozyumu, Bursa, Turkey, 8 - 09 March 2018, pp.124-126
- XIV. **PERMEABILITY PROPERTIES AND ABRASION RESISTANCE OF COATED POLYPROPYLENE FABRICS**
KARA Ş., YEŞİLPINAR M. S., AKŞİT A.
9th Central European Conference on Fibre Grade Polymers, Chemical Fibres and Special Textiles (CEC 2017), Liberec, Czech Republic, 11 - 13 September 2017, pp.84-85
- XV. **COMPARISON OF WATERPROOFNESS AND AIR PERMEABILITIES OF COATED AND LAMINATED POLYESTER AND POLYAMIDE FABRICS**
KARA Ş., YEŞİLPINAR M. S., AKŞİT A.
16th Autex World Textile Conference 2016, Ljubljana, Slovenia, 8 - 10 June 2016, pp.153
- XVI. **A SURVEY RESEARCH AND CONCEPT DESIGN OF AN ELECTRONICALLY EQUIPPED SAILING CAP**
KARA Ş., YEŞİLPINAR M. S., Yıldız D.
9th Aachen Dresden International Textiles Conference, Aachen, Germany, 26 - 27 November 2015, pp.205
- XVII. **SPRAY COATING OF NONWOVEN MATERIALS TO BE USED IN LAMINATION OF PROTECTIVE GARMENTS**
KARA Ş., Roman K.
VI. International Technical Textiles Congress, İzmir, Turkey, 14 - 16 October 2015, pp.355-358
- XVIII. **DESIGN OF AN ELECTRONICALLY EQUIPPED SAILING GARMENT FOR FALL DETECTION**
KARA Ş., YEŞİLPINAR M. S., ŞENOL Y., AKKAN T.
VI. International Technical Textiles Congress, İzmir, Turkey, 14 - 16 October 2015, pp.117-120
- XIX. **POLİÜRETAN KAPLANMIŞ PAMUK ve POLİESTER KUMAŞLARIN SU GEÇİRMEZLİK ÖZELLİKLERİNİN İNCELENMESİ**
KARA Ş., YEŞİLPINAR M. S.
2. Uluslararası Tekstil Zirvesi, Kahramanmaraş, Turkey, 22 - 24 October 2014, pp.112-113
- XX. **STRUCTURAL AND ANTIBACTERIAL PROPERTIES OF PP CuO COMPOSITE FILAMENTS**
KARA Ş., ERDOĞAN Ü. H., ÜREYEN M. E.
V. International Technical Textiles Congress, İzmir, Turkey, 7 - 09 November 2012, pp.75-76
- XXI. **A RESEARCH ON THE SEWING PROBLEMS OF PROTECTIVE CLOTHES**
KARA Ş., YEŞİLPINAR M. S.
5th International Technical Textiles Congress, İzmir, Turkey, 7 - 09 November 2012, pp.37-38
- XXII. **A research on the waterproofness of seam lines of protective clothes**
KARA Ş., YEŞİLPINAR M. S.
5th European Conference on Protective Clothing 2012 and Nokobetef 10, Valencia, Spain, 29 - 31 May 2012, pp.32
- XXIII. **Bakır Partiküller ile Fonksiyonelleştirilmiş Polipropilen Kompozit Liflerin Taşıt Döşemeliklerinde Kullanım Olanaklarının Araştırılması**
ERDOĞAN Ü. H., KARA Ş., Erdem H. N.
UTİB Tekstil ve Konfeksiyon Sektöründe IV. Uluslararası AR-GE Proje Pazarı, Bursa, Turkey, 2 - 03 February 2012, pp.33-34

Supported Projects

2017 - 2021	FONKSİYONEL BİR YELKEN ÜST GİYSİSİ GELİŞTİRİLMESİ, TUBITAK Project
2013 - 2016	Fonksiyonel Bir Spor Giysisi Tasarımı, Project Supported by Higher Education Institutions
2009 - 2011	FARKLI ENİNE KESİT SEKİLLERİNDE ÜRETİLEN KİMYASAL LİFLERİN YAPISAL DAVRANISLARI VE KULLANIM ÖZELLİKLERİNİN İNCELENMESİ, Project Supported by Higher Education Institutions

Memberships / Tasks in Scientific Organizations

2008 - Continues	TMMOB- Tekstil Mühendisleri Odası, Member
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Scientific Refereeing

September 2023	JOURNAL OF THE TEXTILE INSTITUTE, SCI Journal
August 2022	JOURNAL OF TESTING AND EVALUATION, SCI Journal

Tasks In Event Organizations

21 Aralık 2023	Kara Ş., DEU-INTERNATIONAL SYMPOSIUM SERIES ON GRADUATE RESEARCHES-Engineering Science 2023, Scientific Congress, İzmir, Turkey
14 Ekim 2015	Sarıışık A. M., Alpyıldız T., Erdoğan Ü. H., Karabay G., Kutlu B., Kara Ş., Üren N., Aka Ç., 6th International Technical Textiles Congress, Scientific Congress, İzmir, Turkey
07 Kasım 2012	Kara Ş., Sarıışık A. M., Bulgun E., Kayacan Ö., Erdoğan Ü. H., Bedeloğlu A., Alpyıldız T., 5. International Technical Textiles Congress, Scientific Congress, İzmir, Turkey

Metrics

Publication: 43
Citation (WoS): 32
Citation (Scopus): 41
H-Index (WoS): 4
H-Index (Scopus): 4

Congress and Symposium Activities

2024	20th Techtextil Fair, Audience, Frankfurt, Germany
2022	8th International Technical Textiles Congress, Attendee, İzmir, Turkey
2022	5. International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, Attendee, Nevşehir, Turkey

Scholarships

2011 - 2016	2211-A Genel Yurt İçi Doktora Burs Programı, TUBITAK
2008 - 2010	2228-A Son Sınıf Lisans Öğrencileri için Lisansüstü Burs Programı (Yüksek Lisans), TUBITAK