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Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Tekstil Mühendisliği (Dr), Turkey 1994 - 1999

Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Tekstil Mühendisliği (YI) (Tezli), Turkey 1991 - 1994

Undergraduate, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, Tekstil Mühendisliği Bölümü, Turkey 1987 - 1991

Research Areas

Technical Textiles

Academic Titles / Tasks

Professor, Bursa Uludağ University, TEKNİK BİLİMLER MYO, TEKSTİL, GİYİM, AYAKKABI VE DERİ, 2014 - Continues

Associate Professor, Bursa Uludağ University, TEKNİK BİLİMLER MYO, TEKSTİL, GİYİM, AYAKKABI VE DERİ, 2009 - 2014

Assistant Professor, Bursa Uludağ University, TEKNİK BİLİMLER MYO, TEKSTİL, GİYİM, AYAKKABI VE DERİ, 2000 - 2009

Lecturer PhD, Bursa Uludağ University, TEKNİK BİLİMLER MYO, TEKSTİL, GİYİM, AYAKKABI VE DERİ, 1998 - 2000

Research Assistant, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, TEKSTİL MÜHENDİSLİĞİ, 1993 - 1998

Published journal articles indexed by SCI, SSCI, and AHCI

- Comparative analysis of natural fibres characteristics as composite reinforcement**
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- A Review of Cellulosic Natural Fibers' Properties and Their Suitability as Reinforcing Materials for Composite Panels and Applications**

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- IV. **Investigation of impact properties of para-aramid composites made with a thermoplastic-thermoset blend**
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- V. **Evaluation of the mechanical properties of chopped carbon fibre reinforced polypropylene, polyethylene, polyamide 6, and polyamide 12 composites**
Ali A., Ali B., KARAHAN M., Secgin K.
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- VI. **Modeling the consumption of sewing thread for stitch class 301 through image analysis by using Fourier series**
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TEXTILE RESEARCH JOURNAL, vol.92, no.15-16, pp.2792-2799, 2022 (SCI-Expanded)
- VII. **Comparison of the mechanical properties of chopped glass, carbon, and aramid fiber reinforced polypropylene**
Ari A., BAYRAM A., KARAHAN M., Karagoz S.
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- VIII. **The effect of manufacturing parameters on various composite plates under ballistic impact**
Ari A., Karahan M., Kopar M., Ahrari M.
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- IX. **Geometrical Model to Determine Sewing Thread Consumption for Stitch Class 406**
Rehman A. u., Rasheed A., Javed Z., Naeem M. S., Ramzan B., Karahan M.
FIBRES & TEXTILES IN EASTERN EUROPE, vol.29, no.6, pp.72-76, 2021 (SCI-Expanded)
- X. **Comparative Analysis of the Performances of Six Taguchi-Based Multi-Response Optimisation Techniques for Product Development in Textiles**
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- XI. **Adsorption Kinetics of an Activated Carbon Glass Composite Prepared Using Acrylic Waste Through Laser Treatment**
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- XII. **Evaluation of photovoltaic panels using different nano phase change material and a concise comparison: An experimental study**
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- XIII. **Multi-Response Optimisation for the Development of an Activated Carbon Web as Interlining for Higher Electrical Conductivity and EMI Shielding Using Grey Relational Analysis**
Naeem M. S., Ahmad N., Javed Z., Jabbar A., Rehman A. U., Zubair M., Gilani S. Q. Z., Ahmad Z., Karahan M.
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- XIV. **Influence of Chemical Treatments and Nanocellulose Spray Coating on the Mechanical, Low Velocity Impact and Compression after Impact Performance of Nonwoven Jute Composites**
Jabbar A., Hussain J., Basit A., Naeem M. S., Javaid M. U., KARAHAN M., Nazir A.
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- XV. **Mechanical Response of Novel 3D Woven Flax Composites with Variation in Z Yarn Binding**
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- XVI. **Effect of silica nanoparticles on mechanical properties of Kevlar/epoxy hybrid composites**
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composites enhanced with multiwalled carbon nanotubes

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- XVIII. **The solar properties of fabrics produced using different weft yarns**
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- XIX. **Study of influence of interlocking patterns on the mechanical performance of 3D multilayer woven composites**
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JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, vol.37, no.7, pp.429-440, 2018 (SCI-Expanded)
- XX. **Mechanical Behaviour of Hybrid Composites Developed from Textile Waste**
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- XXI. **Evaluation of Foot Protection Effectiveness Against AP Mine Blasts: Effect of Deflector Geometry**
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JOURNAL OF TESTING AND EVALUATION, vol.45, no.2, pp.356-368, 2017 (SCI-Expanded)
- XXII. **Interdependence of moisture, mechanical properties, and hydrophobic treatment of jute fibre-reinforced composite materials**
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- XXIII. **Study of dynamic compressive behaviour of aramid and ultrahigh molecular weight polyethylene composites using Split Hopkinson Pressure Bar**
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- XXIV. **Development of an innovative sandwich composite material for protection of lower limb against landmine explosion: mechanical leg test results**
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- XXV. **Investigation of mechanical behavior of woven/knitted hybrid composites**
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- XXVII. **Investigation of the Properties of Natural Fibre Woven Fabrics as a Reinforcement Materials for Green Composites**
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- XXVIII. **Static and Dynamic Mechanical Properties of Cotton/Epoxy Green Composites**
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- XXX. **Investigation of the tensile properties of natural and natural/synthetic hybrid fiber woven fabric composites**
KARAHAN M., KARAHAN N.
JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, vol.34, no.10, pp.795-806, 2015 (SCI-Expanded)
- XXXI. **Low Velocity Impact Behaviour of Aramid and UHMWPE Composites**
KARAHAN M., YILDIRIM K.

- FIBRES & TEXTILES IN EASTERN EUROPE, vol.23, no.3, pp.97-105, 2015 (SCI-Expanded)
- XXXII. **Ballistic impact behavior of the aramid and ultra-high molecular weight polyethylene composites**
KARAHAN M., Jabbar A., KARAHAN N.
JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, vol.34, no.1, pp.37-48, 2015 (SCI-Expanded)
- XXXIII. **Monitoring of acoustic emission damage during tensile loading of 3D woven carbon/epoxy composites**
Lomov S. V., Karahan M., Bogdanovich A. E., Verpoest I.
TEXTILE RESEARCH JOURNAL, vol.84, no.13, pp.1373-1384, 2014 (SCI-Expanded)
- XXXIV. **Effect of Weaving Structure and Hybridization on the Low-Velocity Impact Behavior of Woven Carbon-Epoxy Composites**
KARAHAN M., KARAHAN N.
FIBRES & TEXTILES IN EASTERN EUROPE, vol.22, no.3, pp.109-115, 2014 (SCI-Expanded)
- XXXV. **Influence of weaving structure and hybridization on the tensile properties of woven carbon-epoxy composites**
KARAHAN M., KARAHAN N.
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- XXXVI. **Quasi-static tensile behavior and damage of carbon/epoxy composite reinforced with 3D non-crimp orthogonal woven fabric**
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MECHANICS OF MATERIALS, vol.62, pp.14-31, 2013 (SCI-Expanded)
- XXXVII. **Static behavior of three-dimensional integrated core sandwich composites subjected to three-point bending**
KARAHAN M., Gul H., KARAHAN N., Ivens J.
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- XXXVIII. **Influence of carbon nanotubes grown on the fibres on damage progression in woven carbon-epoxy composites**
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- XXXIX. **Quasi-static behavior of three-dimensional integrated core sandwich composites under compression loading**
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- XL. **Influence of Stitching Parameters on Tensile Strength of Aramid/Vinyl Ester Composites**
KARAHAN M., ULCA Y., KARAHAN N., KUŞ A.
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- XLI. **Low velocity impact characteristics of 3D integrated core sandwich composites**
KARAHAN M., Gul H., Ivens J., Karahan N.
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- XLII. **The effect of fibre volume fraction on damage initiation and propagation of woven carbon-epoxy multi-layer composites**
Karahana M.
TEXTILE RESEARCH JOURNAL, vol.82, no.1, pp.45-61, 2012 (SCI-Expanded)
- XLIII. **Fatigue tensile behavior of carbon/epoxy composite reinforced with non-crimp 3D orthogonal woven fabric**
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- XLIV. **Investigation of damage initiation and propagation in 2 x 2 twill woven carbon/epoxy multi-layer composites**
Karahana M.
TEXTILE RESEARCH JOURNAL, vol.81, no.4, pp.412-428, 2011 (SCI-Expanded)
- XLV. **Compressibility of carbon woven fabrics with carbon nanotubes/nanofibres grown on the fibres**

- Lomov S. V., Gorbatikh L., Kotanjac Z., Koissin V., Houlle M., Rochez O., KARAHAN M., Mezzo L., Verpoest I.
COMPOSITES SCIENCE AND TECHNOLOGY, vol.71, no.3, pp.315-325, 2011 (SCI-Expanded)
- XLVI. **Internal geometry evaluation of non-crimp 3D orthogonal woven carbon fabric composite**
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- XLVII. **Investigation into the Tensile Properties of Stitched and Unstitched Woven Aramid/Vinyl Ester Composites**
KARAHAN M., KARAHAN N., ULCAY Y., EREN R., Kaynak G.
TEXTILE RESEARCH JOURNAL, vol.80, no.10, pp.880-891, 2010 (SCI-Expanded)
- XLVIII. **COMPRESSIBILITY OF CNT-GRAFTED FIBROUS REINFORCEMENTS: A THEORY**
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INTERNATIONAL JOURNAL OF MATERIAL FORMING, vol.3, pp.627-630, 2010 (SCI-Expanded)
- XLIX. **A comparative study of tensile properties of non-crimp 3D orthogonal weave and multi-layer plain weave E-glass composites. Part 1: Materials, methods and principal results**
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- L. **A comparative study of tensile properties of non-crimp 3D orthogonal weave and multi-layer plain weave E-glass composites. Part 2: Comprehensive experimental results**
Ivanov D. S., Lomov S. V., Bogdanovich A. E., KARAHAN M., Verpoest I.
COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING, vol.40, no.8, pp.1144-1157, 2009 (SCI-Expanded)
- LI. **Comparison of ballistic performance and energy absorption capabilities of woven and unidirectional aramid fabrics**
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TEXTILE RESEARCH JOURNAL, vol.78, no.8, pp.718-730, 2008 (SCI-Expanded)
- LII. **An investigation into ballistic performance and energy absorption capabilities of woven aramid fabrics**
KARAHAN M., KUŞ A., EREN R.
INTERNATIONAL JOURNAL OF IMPACT ENGINEERING, vol.35, no.6, pp.499-510, 2008 (SCI-Expanded)
- LIII. **Experimental investigation of the effect of fabric construction on dynamic water absorption in terry fabrics**
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FIBRES & TEXTILES IN EASTERN EUROPE, vol.15, no.3, pp.74-80, 2007 (SCI-Expanded)
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Articles Published in Other Journals

- I. **A Case Study of Sectoral Vocational Competence and Training Centre; Evaluation of In-Service Teacher Trainings for Hybrid and Electric Vehicles**
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- II. **Competency Mapping of Textile and Composite Industries: A Regional-Global Case Study**
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- III. **Market Trends of Türkiye Textile and Composite Industries: A Regional-Global Case Study**

- Karahan N., Karahan M., Arı A.
Recent Journal, vol.72, no.1, pp.40-54, 2024 (Peer-Reviewed Journal)
- IV. **Examination of R&D Capacity in the Technical Textile Sector: A Regio-Global Case Study**
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- V. **A Study to Determine Infrastructure Needs for Hybrid and Electric Vehicle Training in Vocational Education**
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- VI. **Sectoral Needs Analysis to Develop Training Programs for Hybrid and Electric Vehicles**
ARSLAN R., KARAHAN M., KUŞ A., ŞEN M., KAPLAN C.
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- VII. **A Sustainable Approach to Plastics; Bioplastics**
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- VIII. **Optimization of Knitted Fabrics for better Thermo-Physiological Comfort by using Taguchi-based Principal Component Analysis**
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- IX. **Investigation of damage properties of woven carbon-epoxy composites modified with cnt fillers**
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- X. **Development of Anti-Bacterial and Anti-Viral Nonwoven Surgical Masks for Medical Applications**
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- XI. **MESLEKİ EĞİTİMDE YENİ BİR MODEL: SANAL VE ARTTIRILMIŞ GERÇEKLIK - A NEW MODEL IN VOCATIONAL EDUCATION: VIRTUAL AND AUGMENTED REALITY**
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- XII. **FATIGUE BEHAVIOR OF CARBON/EPOXY COMPOSITES REINFORCED WITH 3-DIMENSIONAL WOVEN FABRIC**
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- XIII. **Çok katmanlı dokuma karbon-epoksi kompozit Malzemelerde tek eksenli gerilme altında hasar başlama ve yayılma Özelliklerinin araştırılması**
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Books & Book Chapters

- I. **Hibrit ve Elektrikli Taşıt Teknolojileri**
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- II. **HİBRİT VE ELEKTRİKLİ TAŞIT TEKNOLOJİLERİ**
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- III. **Otomotiv Eğitiminde Dijital Teknolojilerin Kullanımı**
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- IV. Testing of Natural Fiber Composites**
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- V. Simulation of Ballistic Composites**
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- VI. Development and Characterization of Hybrid Green Composites from Textile Waste**
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- VII. Blast Performance of Demining Footwear: Numerical and Experimental Trials on Frangible Leg Model and Injury Modeling**
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- IX. CİLT 3: KOMPOZİT MALZEMELER**
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- X. Taşıt Tekstilleri (Mobiltech)**
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- XI. Kompozit Malzemeler Eğitim Kitapçığı**
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- I. Design, production, and investigation of ballistic properties of composite panels for level III and level IV ballistic protection**
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2 nd International Conference on Polymers and Composites, Faisalabad, Pakistan, 6 - 07 December 2022, pp.32
- II. COMPARISON OF NATURAL FIBERS' PROPERTIES USED IN COMPOSITE REINFORCEMENT**
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2 nd International Conference on Polymers and Composites, Faisalabad, Pakistan, 6 - 07 December 2022, pp.40
- III. COMPARATIVE EVALUATION OF MECHANICAL PROPERTIES OF SHORT ARAMID FIBER ON THERMOPLASTIC POLYMERS**
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2 nd International Conference on Polymers and Composites, Faisalabad, Pakistan, 6 - 07 January 2023, pp.39
- IV. Energy Absorption Characteristics of 3-D Integrated Core Sandwich Composites**
Karaham M., Karahan N.
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- V. **Damage characterisation in woven carbon-epoxy composites**
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- VII. **Experimental investigation of low energy impact properties of 3-d spacer fabric sandwich composites**
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- VIII. **INVESTIGATION OF SURFACE PROPERTIES OF CARBON FIBER THERMOPLASTIC COMPOSITES PRODUCED BY HOT PRESSING METHOD**
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- X. **Sanal Gerçeklik Uygulamaları ile Yüksekte Çalışma Kültürünün Oluşturulması**
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V.INTERNATIONAL EGE COMPOSITE MATERIAL SYMPOSIUM 2021, Antalya, Turkey, 04 November 2021
- XII. **CARBON FIBERS FROM LIGNIN PRECURSOR AND THEIR COMPOSITES: A BRIEF OVERVIEW**
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V. International Ege Composite Materials Symposium 2021 (KOMPEGE 2021), İzmir, Turkey, 04 November 2021, pp.77-81
- XIII. **COVITEX 2021**
KARAHAN M., KARAHAN N.
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- XIV. **Mechanical Properties of CNT/CNF Grafted Woven Carbon-Epoxy Composites**
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- XV. **Damage Investigation of Woven Carbon-Epoxy Multi-Layer Composites Under Tensile Loading**
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- XVI. **High Velocity Impact Properties of the Thermoplastic Composites**
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- XVII. **Investigation of the Tensile Properties of Woven Carbon-Epoxy Composites**
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- XVIII. **Tensile Properties of Natural and Natural/Synthetic Hybrid Fiber Woven Fabric Composites**
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- XX. **Investigation of the Ballistic Properties of Hybrid Aramid Fabrics**
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1. International Conference of Technical Textiles, 9 - 10 November 2017
- XXI. **3-Boyutlu Dokuma Karbon-Epoksi ve Cam-Epoksi Kompozit Malzemelerde Statik ve Dinamik Çekme Davranışının Tespiti**
KARAHAN M., KARAHAN N.
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- XXII. **Influence of Fibre Volume Fraction on the Mechanical Properties of Woven Carbon-Epoxy Composites**
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- XXIII. **Investigation of Quasi-Static Behavior of 3-Dimensional Integrated Core Sandwich Composites under 3-Point Bending**
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- XXIV. **Tekstil Ürünlerine Yerleřtirilen Ultrasonik SivrisinekKovucularının Koruma Amaçlı Kullanımı**
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- XXV. **IMPROVEMENT OF THE MECHANICAL PROPERTIES OF JUTE/EPOXY COMPOSITES BY SURFACE MODIFICATIONS**
KARAHAN M., KARAHAN N., Jabbar A.
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IX. Uluslararası Ar-Ge Proje Pazarı, 27 - 28 April 2017, pp.14
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IX. Uluslararası Ar-Ge Proje Pazarı, Bursa, Turkey, 27 April 2017 - 28 April 2018, pp.13
- XXIX. **Kompozit Malzemeler İin RTM Kalıplamada Yeni Bir Yaklařım: Termoplastik RTM Geliřtirilmesi**
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- XXX. **Blast performance of sandwich composites: numerical and experimental trials**
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8th International Conference on Composites Testing and ModelIdentification - CompTest 2017., Leuven, Belgium, 5 - 07 April 2017
- XXXI. **EXPERIMENTAL INVESTIGATION OF MECHANICAL PROPERTIES OF NATURAL FIBER WOVEN FABRIC COMPOSITES**
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XVIII National Textile Conference NTC 2016, Sliven, Bulgaria, 26 - 28 October 2016
- XXXII. **Ballistic Impact Behaviour of the Aramid and UHMWPE Composites**
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XXI SCIENTIFIC CONFERENCE WITH INTERNATIONAL PARTICIPATION FPEPM 2016, 18 - 21 September 2016, vol.2, pp.101-109
- XXXIII. **Dynamic behaviour of aramid and UHMWPE composites using split Hopkinson pressure bar**
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- XXXV. **TEKSTİL ÜRÜNLERİ İÇİNE YERLEŞTİRİLEN ULTRASONİK SİVRİSİNEK VE HAŞERE KOVUCULARININ KORUMA AMAÇLI KULLANIMI**
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- XXXVIII. **Characterization of Woven Natural Fiber Reinforced Composites in Different Scales**
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3. Uluslararası Polimerik Kompozitler Kongresi, İzmir, Turkey, 10 - 12 November 2012
- XL. **Quasi-Static behavior of a non-crimp 3D orthogonal woven carbon fabric composite**
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V. International Technical Textiles Congress, 9 - 11 November 2012
- XLI. **Tension-Tension fatigue behavior of a non-crimp 3D orthogonal woven carbon fabric composite**
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- XLII. **3-Boyutlu Dokuma Karbon-Epoksi Kompozit Malzemelerde Yorulma Davranışı,**
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14. International Materials Symposium, Denizli, Turkey, 10 - 12 October 2012
- XLIII. **Effect of Stitching Parameters on Tensile Properties of Aramid-Vynil Ester Composite Plates,**
KARAHAN M., KARAHAN N.
12. World Textile Conference AUTEX, Zadar, Croatia, 13 - 15 July 2012
- XLIV. **Low velocity impact properties and damage analysis of 3D integrated core sandwich composites**
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ICEFA V Fifth International Conference on Engineering Failure Analysis, Hague, Netherlands, 1 - 04 June 2012
- XLV. **Mechanical Behavior of non-crimp 3D Woven Carbon/Epoxy Composite Under In-Plane Tensile Loading**
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- XLVII. **Experimental Investigation of Bending and Core Shear Properties of Composite Sandwich Panels Based on 3D Woven Preforms**
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Deformation and Fracture of Composites (DFC-11) Structural Integrity and Multi-scale Modelling (SI-5), Cambridge, Canada, 12 April - 15 May 2011
- XLVIII. **Permeability and Compressibility of CNT/CNF-Grafted Reinforcements**
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The 10th International Conference on Flow Processes in Composite Materials (FPCM10), Monte Verita Ascona, 11 - 15 June 2010

- XLIX. Effect of Carbon Nanotubes on the Damage Development in Fiber-Reinforced Composites**
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- L. Compressibility of carbon woven fabric with carbon nanotubes grown on the fibres**
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4th International Technical Textile Congress, İstanbul, Turkey, 16 - 17 May 2010
- LII. Internal Structure, Mechanical Properties and Damage Behaviour of Non-crimp 3D Orthogonal Woven Composites**
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3rd World Conference on 3D Fabrics and their Applications, Wuhan, China, 20 - 21 April 2011, pp.136-141
- LIII. Finite Element Modelling Of Progressive Damage In Non-Crimp 3D Orthogonal Weave And Plain Weave E-Glass Composites**
Bogdanovich A., Ivanov D., Hamada K., Kurashiki T., Zakom M., KARAHAN M.
2ND WORLD CONFERENCE ON 3D FABRICS, Greenville, Liberia, 6 - 07 April 2009
- LIV. Damage progression in 2D and non-crimp 3D woven composites,**
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Composites2009 2nd ECCOMAS Thematic Conference on the Mechanical Response of Composites, Londrina, Brazil, 1 - 03 April 2009
- LV. Investigation of the Impact Behaviour in Glass Fiber Reinforced Composite Materials**
KARAHAN M., KARAHAN N., Gündogan S.
III. International Technical Textiles Congress, İstanbul, Turkey, 1 - 02 December 2007
- LVI. The Determination Of Energy Propagating Behaviour of Woven Para-Aramid Fabrics by 2-D Thin Plate Spline Method**
KARAHAN M., Gülsoy F., Gündogan S.
SAMPE 07, 3 - 07 June 2007
- LVII. Kevlar Lifleriyle Takviyeli Kompozit Malzemelerde Lif Matriks Arabirim Yapışma Özelliklerinin İncelenmesi**
KUŞ A., KARAHAN M., TELLİ ÇETİN S.
6. Denizli Malzeme Sempozyumu, Turkey, 12 - 14 April 1995

Supported Projects

KARAHAN M., TUBITAK Project, Bursa Uludağ Üniversitesi ile Bursa Teknoloji Koordinasyon ve AR-GE Merkezi (BUTEKOM) A.Ş. İşbirliği ile Tekstil, Teknik Tekstiller ve Kompozit Malzemeler Alanlarında Sanayi Doktora Projesi, 2020 - 2028

Karahan M., Company, DOĞAL ELYAF TAKVİYELİ KOMPOZİT MALZEMELERDE KARBON NAOTÜP DOLGU KULLANIMININ MEKANİK ÖZELLİKLERİNE ETKİLERİNİN ARAŞTIRILMASI, 2023 - 2025

Karahan M., Company, Geri Dönüştürülebilir Kompozit Malzeme Geliştirilmesi ve Karakterizasyonu, 2023 - 2024

Karahan M., Company, KARBON ELYAF VE CAM ELYAF TAKVİYELİ KOMPOZİT MALZEMELERDE KARBON NAOTÜP DOLGU KULLANIMININ MEKANİK ÖZELLİKLER VE HASAR BAŞLAMA VE YAYILMA ÖZELLİKLERİNE ETKİLERİNİN ARAŞTIRILMASI, 2021 - 2023

Karahan M., AB IPA Project, New Generation Vehicle Technologies Sectoral Centre for VET Competence Development (SCVCD), 2021 - 2022

Karahan M., EU Supported Other Project, Development of Virtual Reality Applications for Working at Height, 2020 - 2022

Karahan M., AB IPA Project, KOMPOZİT MALZEME VE TEKNİK TEKSTİL PROTOTİP İMALAT VE UYGULAMA MERKEZİ (Composite Material and Technical Textile Prototype Production and Application Center), 2019 - 2022

Karahan M., Güneş M. E., Development Agency, Biyosidal özellikte çok kullanımlı cerrahi maske üretimi, 2020 - 2021
Karahan M., Company, Otomotiv ve Havacılık Sektörüne Yönelik Kompozit Malzeme geliştirilmesi, 2019 - 2021
Karahan M., Development Agency, Nitelikli Ara Elaman Yetiştirilmesine Yönelik BUÜÜ Teknik Bilimler MYO Uygulamalı Eğitim Altyapısının Güçlendirilmesi, 2019 - 2021
Karahan M., Development Agency, İmalat Sektörüne Yönelik Mesleki ve Teknik Eğitimde Sanal Gerçeklik Laboratuvarlarının Kurulması, Uygulamaların Geliştirilmesi , 2018 - 2021
Karahan M., United Nations Development Program - UNDP Supported Project, Implementation of vocational, language and basic labour market skills trainings, and referral to ACBs for certification vocational qualifications in Bursa, 2019 - 2020
Karahan M., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, ILERİ KOMPOZİT MALZEMELER ARASTIRMA VE MÜKEMMELİYET MERKEZİ, 2017 - 2019
Karahan M., Project Supported by Defense Industry, Savunma Sanayi Müsteşarlığı Tip A ArGe Projesi, 2013 - 2016

Patent

Karahan M., Enerji Absorbe Edici Sandviç Kompozit Malzeme, Patent, CHAPTER B Implementation of Operations; Transport, The Invention Registration Number: 2015/11279 , Standard Registration, 2018
Kul B., Karahan M., Karahan N., Akyuva P. F., Güneş enerjisi ile çalışan taşınabilir uçan haşere kovucu, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2017/07669 , Standard Registration, 2017

Activities in Scientific Journals

Journal of Mineral, Metal and Material Engineering , Committee Member, 2021 - Continues

Memberships / Tasks in Scientific Organizations

Denizli Teknik Tekstil Merkezi, Member of Science Committee, 2021 - Continues, Turkey
World Academy of Science and Engineering Technology, Member of Science Committee, 2020 - Continues, United States Of America

Scientific Refereeing

TUBITAK Project, 1512 - Progressive Support Program for Entrepreneurship, Bursa Uludağ University, Turkey, October 2020
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Bursa Uludağ University, Turkey, July 2020
TUBITAK Project, 1505 - University-Industry Cooperation Support Program, Bursa Uludağ University, Turkey, March 2019
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Bursa Uludağ University, Turkey, February 2019
TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, Bursa Uludağ University, Turkey, December 2015
TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, Bursa Uludağ University, Turkey, December 2015
TUBITAK Project, 1509 - TÜBİTAK International Industry R&D Projects Support Program, Bursa Uludağ University, Turkey, November 2015
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TUBITAK Project, 1509 - TÜBİTAK International Industry R&D Projects Support Program, Bursa Uludağ University,

Turkey, December 2013

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Bursa Uludağ University, Turkey, May 2013

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Bursa Uludağ University, Turkey, December 2012

TUBITAK Project, 1509 - TÜBİTAK International Industry R&D Projects Support Program, Bursa Uludağ University, Turkey, December 2010

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Bursa Uludağ University, Turkey, June 2010

Tasks In Event Organizations

Karahan M., 6th Global Conference & Expo on Nanoscience and Nanotechnology, Scientific Congress, Malaysia, Nisan 2024

Karahan M., 3rd International Conference on Knowledge-based Textiles, Scientific Congress, Faisalabad, Pakistan, Mart 2024

Karahan M., 3. International Conference on Polymers and Composites, Scientific Congress, Faisalabad, Pakistan, Kasım 2023

Karahan M., 2nd International Conference on Knowledge-based Textiles, Scientific Congress, Pakistan, Şubat 2023

Karahan M., 2. International Conference on Polymers and Composites International Conference on Polymers and Composites, Scientific Congress, Faisalabad, Pakistan, Aralık 2022

Metrics

Publication: 179

Citation (WoS): 1408

Citation (Scopus): 1770

H-Index (WoS): 22

H-Index (Scopus): 24

Congress and Symposium Activities

6th International Conference on Sustainable Textile , Invited Speaker, Lahore, Pakistan, 2023

2nd International Conference on Knowledge Based Textiles, Invited Speaker, Faisalabad, Pakistan, 2023

19. International Bhurban Conference of Applied Science and technology, Invited Speaker, Islamabad, Pakistan, 2022

International Conference on Polymer and Composites, Invited Speaker, Faisalabad, Pakistan, 2021

Covitex 2021, Invited Speaker, Faisalabad, Pakistan, 2021

18. International Bhurban Conference on Applied Science and Technology, Invited Speaker, Islamabad, Pakistan, 2021

18. International Bhurban Conference on Applied Science and Technology, Invited Speaker, Islamabad, Pakistan, 2021

15. International Bhurban Conference on Applied Science and Technology, Invited Speaker, Islamabad, Pakistan, 2018

V. International Polymeric Composites Symposium and Workshops, Invited Speaker, İzmir, Turkey, 2017

Scholarships

Doktora Sonrası Araştırma Bursu, TUBITAK, 2009 - 2010

Awards

Karahan M., 2021 yılı World Top %2 Scientist listesine giren bilim insanı ödülü, Bursa Uludağ Üniversitesi, December 2022

Karahan M., 2020 yılı "World Top %2 Scientist" Listesine Giren Bilim İnsanı Ödülü, Bursa Uludağ Üniversitesi, December 2021

Karahan M., OTOMOTİV KOMPOZİTLERİNDE ATIK LİFLERİN KULLANIMI, Uludağ İhracatçı Birlikleri, April 2014

Karahan M., Gelişmiş Balistik Koruma ve Ergonomiye Sahip Yeni Jenerasyon Askeri Kask Tasarımı ve Üretim, Uludağ İhracatçı Birlikleri, April 2014

Karahan M., Hastane Tekstillerinin Yüksek Dezenfeksiyonda Yıkama İçin Yeni ve Çevreci Bir Yöntem: Ultrasonik Yıkama, Uludağ İhracatçı Birlikleri, April 2013

Non Academic Experience

Non-profit Organisation, Bursa Ticaret Sanayi Odası Eğitim Vakfı BUTGEM, BUTGEM
Technology Development Zone, ULUTEK TEKNOPARK, Yönetim Kurulu Üyesi
Technology Development Zone, Uludağ Üniversitesi Teknoloji Transfer ofisi, Teknoloji Transfer Ofisi
Penta Tekstil San. Tic. A.Ş.
Saray Örme San. Tic. A.Ş.