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Publons / Web Of Science ResearcherID: D-6880-2017

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği, Turkey 2010 - 2016

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği, Turkey 2008 - 2010

Undergraduate, Istanbul Technical University, Makine Fakültesi, Tekstil Mühendisliği, Turkey 2004 - 2008

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Improvement of Inadequacies of Small Diameter Artificial Blood Vessels, Istanbul Technical University, Tekstil Mühendisliği, 2016

Postgraduate, Kompozit İnşaat Tekstili Tasarımı ve Performansının İncelenmesi, İstanbul Teknik Üniversitesi, Tekstil Mühendisliği, Tekstil Mühendisliği, 2010

Research Areas

Technical Sciences, Textile Engineering and Technology, Textile Materials, Technical Textiles

Academic Titles / Tasks

Assistant Professor, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, 2018 -
Continues

Assistant Professor, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, 2017 - 2018

Research Assistant, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, 2009 - 2016

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Tekstil Muhendisligi, 2018 - Continues

Coordinator of The Rectorate, Istanbul Technical University, Tanitim Ofisi, 2017 - 2020

Courses

Introduction to Technical Textiles, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Numerical Methods, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Textile Technologies, Postgraduate, 2020 - 2021

Machine Elements, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Nonwoven Fabrics, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Medical Textiles, Postgraduate, 2020 - 2021

Fiber Science, Undergraduate, 2017 - 2018

Special Structures & Processes in T., Postgraduate, 2018 - 2019

Advising Theses

Yalçın Eniş İ., Waste Recycling and Sustainability in Textile Industry, Postgraduate, S.Hazal(Student), Continues

Yalçın Eniş İ., Production and Characterization of Biodegradable Fibrous Webs Electrospun For Tissue Engineering, Postgraduate, E.Sürücü(Student), Continues

Yalçın Eniş İ., INVESTIGATION OF MECHANICAL PROPERTIES OF SMALL CALIBER FIBROUS VASCULAR GRAFTS, Postgraduate, S.Özdemir(Student), 2023

Yalçın Eniş İ., BiyoReçine Esaslı Tekstil kompozitlerinin Performans Özelliklerinin İncelenmesi, Postgraduate, S.Özkür(Student), 2021

Jury Memberships

Competition, The Fiber Society Spring 2014, The Fiber Society Spring 2014, May, 2014

Designed Lessons

Yalçın Eniş İ., Medical Textiles, Postgraduate, 2020 - 2021

Yalçın Eniş İ., Okur N., Yüksek İ. Ö., Kalav B., Duru S., Textile Technologies, Postgraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Optimization of Electrospun Bilayer Vascular Grafts through Assessment of the Mechanical Properties of Monolayers**
Özdemir S., Öztemur J., Sezgin H., Yalçın Eniş İ.
ACS Biomaterials Science and Engineering, vol.10, no.2, pp.960-974, 2024 (SCI-Expanded)
- II. **Investigation of biodegradability and cellular activity of PCL/PLA and PCL/PLLA electrospun webs for tissue engineering applications**
Öztemur J., Özdemir S., Tezcan-Unlu H., ÇEÇENER G., Sezgin H., Yalçın Eniş İ.
Biopolymers, vol.114, no.11, 2023 (SCI-Expanded)
- III. **Optimization of the textile wastewater pretreatment process in terms of organics removal and microplastic detection**
AKYILDIZ S. H., Sezgin H., YALÇIN B., Yalçın Eniş İ.
Journal of Cleaner Production, vol.384, 2023 (SCI-Expanded)

- IV. **Investigation of structural parameters of acoustic panels produced from post-industrial textile wastes containing different raw materials**
Yalçın Eniş İ., Sezgin H.
Progress in Rubber, Plastics and Recycling Technology, 2023 (SCI-Expanded)
- V. **Evaluation of recycled textile wastes with E-glass fabric in bio-based epoxy matrix composites: investigation of the mechanical properties**
Yalçın Eniş İ.
JOURNAL OF MATERIAL CYCLES AND WASTE MANAGEMENT, vol.25, no.1, pp.171-180, 2023 (SCI-Expanded)
- VI. **Effect of blending ratio on morphological, chemical, and thermal characteristics of PLA/PCL and PLLA/PCL electrospun fibrous webs**
Öztemur J., Yalçın Eniş İ., Özdemir S.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS, vol.0, no.0, pp.1-11, 2022 (SCI-Expanded)
- VII. **The Effect of Curing and Post-curing Processes on Physical and Mechanical Behaviors of Jute Fabric Reinforced AESO/Epoxy Based Bio-composites**
Ozkur S., Sezgin H., Yalçın Eniş İ.
FIBERS AND POLYMERS, vol.23, no.5, pp.1410-1421, 2022 (SCI-Expanded)
- VIII. **Investigation of the mechanical, thermal, and acoustical behaviors of cotton, polyester, and cotton/polyester nonwoven wastes reinforced epoxy composites**
Baccouch W., Ghith A., Yalçın Eniş İ., Sezgin H., Miled W., Legrand X., Faten F.
JOURNAL OF INDUSTRIAL TEXTILES, vol.51, no.6, pp.876-899, 2022 (SCI-Expanded)
- IX. **Characterization of Thermo-mechanical and Morphological Properties of Jute Fabric Reinforced Epoxy/AESO Bio-composites**
Ozkur S., Leskovsek M., Golja B., Demsar A., Sezgin H., Yalçın Eniş İ.
FIBERS AND POLYMERS, vol.22, no.12, pp.3414-3424, 2021 (SCI-Expanded)
- X. **Development of biodegradable webs of PLA/PCL blends prepared via electrospinning: Morphological, chemical, and thermal characterization**
Öztemur J., Yalçın Eniş İ.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, vol.109, no.11, pp.1844-1856, 2021 (SCI-Expanded)
- XI. **Design of composite insulation panels containing 100% recycled cotton fibers and polyethylene/polypropylene packaging wastes**
Sezgin H., Kucukali-Ozturk M., Berkalp Ö. B., Yalçın Eniş İ.
JOURNAL OF CLEANER PRODUCTION, vol.304, 2021 (SCI-Expanded)
- XII. **Design of an Impact Absorbing Composite Panel from Denim Wastes and Acrylated Epoxidized Soybean Oil based Epoxy Resins**
Öztemur J., Sezgin H., Yalçın Eniş İ.
TEKSTİL VE KONFEKSİYON, vol.31, no.3, pp.228-234, 2021 (SCI-Expanded)
- XIII. **Hybrid bio-based composites from blends of epoxy and soybean oil resins reinforced with jute woven fabrics**
Ozkur S., Sezgin H., Akay E., Yalçın Eniş İ.
MATERIALS RESEARCH EXPRESS, vol.7, no.1, 2020 (SCI-Expanded)
- XIV. **Enhancement of fiber-matrix interface of recycled cotton fibers reinforced epoxy composite for improved mechanical properties**
Baccouch W., Ghith A., Yalçın Eniş İ., Sezgin H., Miled W., Legrand X., Faten F.
MATERIALS RESEARCH EXPRESS, vol.7, no.1, 2020 (SCI-Expanded)
- XV. **The post-morphological analysis of electrospun vascular grafts following mechanical testing**
Yalçın Eniş İ., Sadikoglu T. G., Horakova J., Lukas D.
JOURNAL OF POLYMER ENGINEERING, vol.38, no.6, pp.525-535, 2018 (SCI-Expanded)
- XVI. **Design parameters for electrospun biodegradable vascular grafts**
Enis I. Y., Sadikoglu T. G.
JOURNAL OF INDUSTRIAL TEXTILES, vol.47, no.8, pp.2205-2227, 2018 (SCI-Expanded)

- XVII. **Full factorial experimental design for mechanical properties of electrospun vascular grafts**
Enis I. Y., Sezgin H., Sadikoglu T. G.
JOURNAL OF INDUSTRIAL TEXTILES, vol.47, no.6, pp.1378-1391, 2018 (SCI-Expanded)
- XVIII. **Alternative solvent systems for polycaprolactone nanowebs via electrospinning**
Enis I. Y., Vojtech J., Sadikoglu T. G.
JOURNAL OF INDUSTRIAL TEXTILES, vol.47, no.1, pp.57-70, 2017 (SCI-Expanded)
- XIX. **Mechanical investigation of bilayer vascular grafts electrospun from aliphatic polyesters**
Enis I. Y., Horakova J., Sadikoglu T. G., Novak O., Lukas D.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.28, no.2, pp.201-213, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **ENVIRONMENTALLY FRIENDLY ACOUSTIC PANEL DESIGN FROM CURTAIN WASTE**
AÇIKGÖZ G., AYDIN O., ALTUĞ A. Y., Sezgin H., yalcin enis i.
Tekstil ve Mühendis, vol.30, no.131, pp.253-259, 2023 (Scopus)
- II. **THE EFFECT OF POLYMER TYPE AND FIBER ORIENTATION ON THE COMPLIANCE PROPERTIES OF ELECTROSPUN VASCULAR GRAFTS**
Özdemir S., Öztemur J., Sezgin H., Yalçın Eniş İ.
Vlakna a Textil, vol.30, no.1, pp.67-71, 2023 (Scopus)
- III. **A PRELIMINARY STUDY EXAMINING THE BURST STRENGTH OF VASCULAR TUBULAR SCAFFOLDS**
Öztemur J., Özdemir S., Sezgin H., Yalçın Eniş İ.
Vlakna a Textil, vol.30, no.1, pp.72-75, 2023 (Scopus)
- IV. **Full Factorial Experimental Design for Water Absorption and Wettability of Jute Fabric Reinforced Acrylated Epoxidized Soybean Oil/Epoxy Biocomposites**
Yalçın Eniş İ., Sezgin H.
Tekstil ve Mühendis, vol.28, no.123, pp.163-170, 2021 (Scopus)
- V. **Utilizing Recycled High Density Polyethylene Caps of PolyethyleneTerephthalate Bottles in Composite Plates**
YALÇIN ENİŞ İ., SEZGİN H., KÜÇÜKALİ ÖZTÜRK M., GÖK SADIKOĞLU Ü. T.
International journal of advances in engineering and pure sciences (Online), pp.108-112, 2019 (Peer-Reviewed Journal)
- VI. **An Overview on Nanotoxicology**
Yalçın Eniş İ., Küçükali Öztürk M., Sezgin H., İşmar Şir E.
Engineering Sciences (NWSAENS), vol.12, no.1, pp.57-65, 2017 (Peer-Reviewed Journal)
- VII. **AN OVERVIEW OF NANOTOXICOLOGY**
YALÇIN ENİŞ İ., KÜÇÜKALİ ÖZTÜRK M., SEZGİN H., İŞMAR E.
e-Journal of New World Sciences Academy, vol.12, no.1, pp.57-65, 2017 (Peer-Reviewed Journal)
- VIII. **Chloroform-Formic Acid Solvent Systems for Nanofibrous Polycaprolactone Webs**
Yalçın Eniş İ., Vojtech J., Gök Sadıkoğlu Ü. T.
International Journal of Environmental, Chemical, Ecological, Geological and Geophysical Engineering, vol.9, no.5, pp.429-432, 2015 (Peer-Reviewed Journal)
- IX. **Re evaluation of Cotton and E glass Fibre Wastes In The Manufacture of Hybrid Composites**
SEZGİN H., YALÇIN İ., BERKALP Ö. B.
Journal of International Scientific Publications: Materials Methods & Technology, vol.6, no.2, pp.296-302, 2012 (Peer-Reviewed Journal)
- X. **Nanomaterials in Textile Applications**
Sezgin H., Yalçın Eniş İ., Küçükali Öztürk M., Kızıldağ N.
Journal of International Scientific Publications: Materials Methods & Technology, vol.6, no.2, pp.303-3017, 2012 (Peer-Reviewed Journal)
- XI. **An Alternative Structure for Use in Construction of Artificial Blood Vessels: Electrospun Nanoweb**

- Kızıldağ N., Yalçın Eniş İ.
Smartex Research Journal, vol.1, no.1, pp.36-47, 2012 (Peer-Reviewed Journal)
- XII. **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)
- XIII. **Tarımda Geleneksel Sulama Sistemlerine Alternatif Bir Yöntem; Tekstilde 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)

Books & Book Chapters

- I. **Hydrogel-based vascular grafts: State of art**
ÖZTEMUR J., ÖZDEMİR S., SEZGİN H., YALÇIN ENİŞ İ.
in: Sustainable Hydrogels, Sabu Thomas, Bhasha Sharma, Purnima Jain, Shashank Shekhar, Editor, Elsevier, pp.397-442, 2023
- II. **Turning Plastic Wastes Into Textile Products**
Sezgin H., Yalçın Eniş İ.
in: Handbook of Solid Waste Management: Sustainability through Circular Economy, Chinnappan Baskar, Seeram Ramakrishna, Shikha Baskar, Rashmi Sharma, Amutha Chinnappan, Rashmi Sehwat, Editor, Springer Nature, Singapore, pp.1257-1283, 2022
- III. **THE POTENTIAL USE OF FIBROUS WEBS ELECTROSPUN FROM POLYLACTIC ACID / POLY ϵ -CAPROLACTONE BLENDS IN TISSUE ENGINEERING APPLICATIONS**
ÖZTEMUR J., YALÇIN ENİŞ İ.
in: ENGINEERING AND ARCHITECTURE SCIENCES Theory, Current Researches and New Trends, çivi, can; yılmaz, tuncay, Editor, IVPE2020, Cetinje, pp.213-234, 2020
- IV. **Overview of Biocomposites with Plant-derived Components in Terms of Matrix and Reinforcement Materials**
YALÇIN ENİŞ İ., SEZGİN H.
in: Theory and Research in Engineering, Hayaloğlu, Adnan, Editor, GECE KİTAPLIĞI YAYINEVİ, Ankara, pp.145-166, 2020
- V. **The Role of Biopolymer Selection in the Design of Electrospun Small Caliber Vascular Grafts to Replace the Native Arterial Structure**
ÖZTEMUR J., YALÇIN ENİŞ İ.
in: Theory and Research in Engineering, Hayaloğlu, Adnan, Editor, GECE KİTAPLIĞI YAYINEVİ, Ankara, pp.167-192, 2020
- VI. **Risks and Management of Textile Waste**
YALÇIN ENİŞ İ., KÜÇÜKALİ ÖZTÜRK M., SEZGİN H.
in: Nanoscience and Biotechnology for Environmental Applications, K M Gothandam Shivendu Ranjan Nandita Dasgupta Eric Lichtfouse, Editor, Springer KB, pp.29-53, 2019
- VII. **Interface Enhanced Textile Reinforced Composites With Polyacrylonitrile Nanofibrous Webs**
YALÇIN ENİŞ İ., KÜÇÜKALİ ÖZTÜRK M., SEZGİN H., BERKALP Ö. B.
in: Current Academic Studies in Engineering Sciences, Serdar Salman, Rıdvan karapınar, duygu kavak, ali kılıçer, Editor, IVPE, pp.1451-1459, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **The Effect Polymer Type and Fiber Orientation on the Compliance Properties of Electrospun**

Vascular Grafts

Özdemir S., Öztemur J., Sezgin H., Yalçın Eniş I.

STRUTEX-23th Structure and Structural Mechanics of Textiles, Liberec, Czech Republic, 30 November 2022, pp.91-96

- II. **A Preliminary Study Examining the Impact of Biomaterial Selection and Fiber Orientation on the Bursting Strength of Vascular Grafts**
Öztemur J., Özdemir S., Sezgin H., Yalçın Eniş I.
STRUTEX-23th Structure and Structural Mechanics of Textiles, Liberec, Czech Republic, 30 November 2022, pp.97-101
- III. **Tam Faktöriyel Deneysel Tasarım Yöntemi ile Doku İskelesi Tasarımlarında Öne Çıkan Parametrelerin Lif Çapı Üzerindeki Etkilerinin İncelenmesi**
Özdemir S., Öztemur J., Sezgin H., Yalçın Eniş I.
Ulusal Çukurova Tekstil Kongresi, Adana, Turkey, 29 - 30 September 2022, pp.532-539
- IV. **The Investigation of the Effect of Polymer Blending and Radial Fiber Orientation on the Tensile Properties of Electrospun Tubular Vascular Prostheses**
ÖZDEMİR S., ÖZTEMUR J., SEZGİN H., YALÇIN ENİŞ İ.
CORTEP-18th Romanian Textiles and Leather Conference, Bükreş, Romania, 17 November 2022
- V. **DEVELOPMENT OF ACOUSTIC AND THERMAL INSULATION MATERIALS FROM PANTYHOSE WASTE**
Küçükali Öztürk M., Yalçın Eniş İ., Sezgin H., Dolu C.
The 6th International Conference on Building Materials and Materials Engineering, Barcelona, Spain, 15 - 17 September 2022, pp.1-5
- VI. **Examining the Importance of Pretreatment to Capture and Analyze Microfibers from Textile Wastewater**
AKYILDIZ S. H., SEZGİN H., YALÇIN B., YALÇIN ENİŞ İ.
1st International Conference on Innovative Academic Studies (ICIAS 2022), Konya, Turkey, 10 September 2022
- VII. **A pre-liminary study on the effect of PCL/PLA blend ratio on tensile strength of tubular vascular scaffolds**
Özdemir S., Öztemur J., Sezgin H., Yalçın Eniş I.
1st International Conference on Innovative Academic Studies (ICIAS 2022), Konya, Turkey, 10 September 2022, pp.1070-1073
- VIII. **Multilevel Full Factorial Design in Optimizing Polymer Type and Blend Ratio for PLA/PCL and PLLA/PCL Electrospun Webs**
ÖZTEMUR J., ÖZDEMİR S., SEZGİN H., YALÇIN ENİŞ İ.
AUTEX 2022, Lodz, Poland, 7 - 10 June 2022
- IX. **The comparison of morphological and mechanical properties of electrospun surfaces made of PCL, PLA and their blend**
Özdemir S., Yalçın Eniş I.
International Conference on Emerging Sources in Science, İstanbul, Turkey, 26 - 27 May 2022, pp.68-75
- X. **Preliminary assesment of microfibers amount in textile wastewater**
Akyıldız S. H., Bellopede R., Fiore S., Yalçın B., Sezgin H., Yalçın Eniş İ.
SUM2022 / 6TH SYMPOSIUM ON CIRCULAR ECONOMY AND URBAN MINING, Naples, Italy, 18 - 20 May 2022, pp.1-7
- XI. **Design of an Impact Absorbing Green Composite**
Öztemur J., Sezgin H., Yalçın Eniş İ.
International Conference of Sustainable Materials and Practices for Built Environment, 25 November 2021
- XII. **Development of 100% Recycled Thermoplastic Composites for Sound Insulated Acoustic Panels**
KÜÇÜKALİ ÖZTÜRK M., YALÇIN ENİŞ İ., SEZGİN H.
The 5th International Conference on Building Materials and Materials Engineering, 24 September 2021
- XIII. **The Evaluation of Thermal Insulation Performances of 100% Recycled Thermoplastic Composites**
KÜÇÜKALİ ÖZTÜRK M., YALÇIN ENİŞ İ., SEZGİN H.
AUTEX 2021, 05 September 2021

- XIV. **Investigation of Polymer Concentration on Physical and Morphological Properties of PLLA Based Fibrous Structures**
ÖZDEMİR S., ÖZTEMUR J., SEZGİN H., YALÇIN ENİŞ İ.
International Conference on Radiation Applications, 06 September 2021
- XV. **Mechanical Analysis of Laminated Structures Consisting of Denim Fabric and Recycled HDPE/LDPE Bottle Caps**
YALÇIN ENİŞ İ., SEZGİN H.
The 5th International Conference on Materials Sciences and Nanomaterials, 25 August 2021
- XVI. **Fabrication and Physical Characterization of Biodegradable Fibrous Mats from Polylactic Acid and Polycaprolactone Blends Designed for Tissue Engineered Scaffolds**
Öztemur J., Yalçın Eniş İ.
Nanotechnology and Nanoscience, iNano-2021, Pennsylvania, United States Of America, 25 - 26 January 2021, pp.1
- XVII. **Morphological Analysis of Fibrous Webs Electrospun from Polycaprolactone, Polylactic acid and Their Blends in Chloroform Based Solvent Systems**
ÖZTEMUR J., YALÇIN ENİŞ İ.
International Conference on Multifunctional Nanomaterials ICMN 2020, India, 28 - 30 December 2020
- XVIII. **Performance Analysis of Recycled Low Density Polyethylene Laminated Waste Denim Fabrics to be Used in Recycled Shopping Bags**
Sezgin H., Gelmez K., Yalçın Eniş İ.
Fifth International Online Conference on Reuse and Recycling of Materials, 11 - 13 December 2020
- XIX. **Çevre Dostu Akustik Panel Tasarımı**
Küçükali Öztürk M., Yalçın Eniş İ., Sezgin H., Berkalp Ö. B.
İTÜ Ulusal Tekstil Kongresi ve II. AR-GE Günü, İstanbul, Turkey, 11 - 12 November 2020, pp.96-99
- XX. **THE CURING AND POST-CURING EFFECT ON DROP-WEIGHT IMPACT BEHAVIOR OF BIO-COMPOSITES**
ÖZKÜR S., SEZGİN H., YALÇIN ENİŞ İ.
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, İstanbul, Turkey, 17 - 19 December 2019
- XXI. **UTILIZING TEXTILE WASTES AS REINFORCEMENT MATERIALS IN CONCRETES**
SEZGİN H., YALÇIN ENİŞ İ.
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, İstanbul, Turkey, 17 - 19 December 2019
- XXII. **ENHANCED FIBER-MATRIX INTERFACE OF WASTE COTTON FIBER REINFORCED EPOXY COMPOSITES**
BACCOUCH W., SEZGİN H., YALÇIN ENİŞ İ., GHİTH A., MİLED W., FATEN F.
ÇEVRE MÜHENDİSLİĞİ KAYNAK GERİ KAZANIMI ULUSLARARASI KONGRESİ, İstanbul, Turkey, 12 - 13 December 2019
- XXIII. **TURNING PLASTIC WASTES INTO TEXTILE STRUCTURES**
YALÇIN ENİŞ İ., SEZGİN H.
ÇEVRE MÜHENDİSLİĞİ KAYNAK GERİ KAZANIMI ULUSLARARASI KONGRESİ, İstanbul, Turkey, 12 - 13 December 2019
- XXIV. **THE EFFECT OF BIO-RESIN CONTENT ON THE TENSILE PROPERTIES OF JUTE FABRIC REINFORCED EPOXY COMPOSITES**
ÖZKÜR S., SEZGİN H., YALÇIN ENİŞ İ.
4nd International Conference on Material Science and Technology in Kızılcahamam (IMSTEC'19), Ankara, Turkey, 18 - 20 October 2019
- XXV. **ARTAN BİYO-REÇİNE ORANININ JÜT TAKVİYELİ EPOKSİ KOMPOZİTLERİN DARBE DAVRANIŞINA ETKİSİ**
ÖZKÜR S., SEZGİN H., YALÇIN ENİŞ İ.
UÇTEK 2019 Ulusal Çukurova Tekstil Kongresi, Adana, Turkey, 26 - 27 September 2019
- XXVI. **Human Hair Fiber as a Reinforcement Material in Composite Structures**
SEZGİN H., YALÇIN ENİŞ İ.
ISAS 2018 Winter, Samsun, Turkey, 30 November - 02 December 2018

- XXVII. **Seam Strength Analysis of Electrospun PCL Vascular Grafts**
YALÇIN ENİŞ İ., GÖK SADIKOĞLU Ü. T., ÇEÇENER G., TUNCA B., IŞIK Ö., HOCKENBERGER A.
International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), 22 - 23 November 2018
- XXVIII. **Mechanical evaluation of textile waste filled epoxy composites**
YALÇIN ENİŞ İ., SEZGİN H.
EurasianSciEnTech 2018, Ankara, Turkey, 22 - 23 November 2018
- XXIX. **Interface Enhanced Textile Reinforced Composites with Polyacrylonitrile Nanofibrous Webs**
YALÇIN ENİŞ İ., KÜÇÜKALİ ÖZTÜRK M., SEZGİN H., BERKALP Ö. B.
International Symposium on Multidisciplinary Studies, Ankara, Turkey, 16 - 17 November 2018
- XXX. **Plant oil based composites**
SEZGİN H., YALÇIN ENİŞ İ.
AUTEX 2018, 20 - 22 June 2018
- XXXI. **Plant Oil-Based Biocomposites**
Sezgin H., Yalçın Eniş İ.
18th AUTEX World Textile Conference, İstanbul, Turkey, 20 - 22 June 2018, pp.933-936
- XXXII. **Production of Compost from Cotton Waste**
YALÇIN ENİŞ İ., SEZGİN H., ÖZKÜR S.
AUTEX 2018, 20 - 22 June 2018
- XXXIII. **Design of Textile Reinforced Composite Structures by Utilizing LDPE Bottle Caps**
Yalçın Eniş İ., Sezgin H., Küçükali Öztürk M., Gök Sadıkoğlu Ü. T.
18th AUTEX World Textile Conference, İstanbul, Turkey, 20 - 22 June 2018, pp.615-617
- XXXIV. **Production of Compost from Cotton Wastes**
Yalçın Eniş İ., Sezgin H., Özkür S.
18th AUTEX World Textile Conference, İstanbul, Turkey, 20 - 22 June 2018, pp.1037-1040
- XXXV. **Utilizing Recycled High Density Polyethylene Caps of Polyethylene Terephthalate Bottles in Composite Plates**
Yalçın Eniş İ., Sezgin H., Küçükali Öztürk M., Gök Sadıkoğlu Ü. T.
8th International İstanbul Textile Conference - Evolution Technical Textile (ETT2018), İstanbul, Turkey, 14 - 16 April 2018, pp.1-4
- XXXVI. **Utilizing Recycled High Density Polyethylene Caps of Polyethylene Terephthalate Bottles in Composite Plates**
YALÇIN ENİŞ İ., SEZGİN H., KÜÇÜKALİ ÖZTÜRK M., GÖK SADIKOĞLU Ü. T.
ETT 2018, 14 - 16 April 2018
- XXXVII. **Textile Based Materials For Wound Healing Applications**
SEZGİN H., KIZILDAĞ N., KÜÇÜKALİ ÖZTÜRK M., YALÇIN ENİŞ İ.
EGEMEDITEX 2017, İzmir, Turkey, 26 - 28 October 2017
- XXXVIII. **Fibrous scaffolds for peripheral nerve regeneration**
SEZGİN H., KIZILDAĞ N., KÜÇÜKALİ ÖZTÜRK M., YALÇIN ENİŞ İ.
EGEMEDITEX 2017, İzmir, Turkey, 26 - 28 October 2017
- XXXIX. **BIOPOLİMER LİF İÇERİKLİ YAPAY DAMARLAR İÇİN KATMANLI YAPI TASARIMINDA DİKKAT EDİLMESİ GEREKEN HUSUSLAR**
Yalçın Eniş İ., Gök Sadıkoğlu Ü. T.
UÇTEK 2017, Adana, Turkey, 28 - 30 September 2017, pp.1-6
- XL. **Biopolimer Lif İçerikli Yapay Damarlar için Katmanlı Yapı Tasarımında Dikkat Edilmesi gereken Hususlar**
YALÇIN ENİŞ İ., GÖK SADIKOĞLU Ü. T.
UÇTEK2017, Adana, Turkey, 28 - 29 September 2017
- XLI. **A prestudy on in-vitro analysis of polycaprolactone vascular scaffolds**
YALÇIN ENİŞ İ., demirci h., GÖK SADIKOĞLU Ü. T., ÇEÇENER G., HOCKENBERGER A., TUNCA B.
ICASA2017, İstanbul, Turkey, 29 - 31 March 2017

- XLII. Design Of Electrospun Tubular Scaffolds For Vascular Grafts**
Yalçın Eniş İ., Gök Sadıkoğlu Ü. T.
IV. International Chemical Engineering and Technologies Conference, İstanbul, Turkey, 17 - 18 November 2016, pp.1-5
- XLIII. An Overview of Nanotoxicology**
YALÇIN İ., KÜÇÜKALİ ÖZTÜRK M., SEZGİN H., İŞMAR E.
International Science Symposium, 1 - 04 September 2016
- XLIV. Spider Silk in Textile Industry**
Sezgin H., Yalçın Eniş İ.
Advances in Material Engineering, Liberec, Czech Republic, 1 - 02 December 2015, pp.1-5
- XLV. Pore Area Analysis Of Polycaprolactone Fibrous Webs**
Yalçın Eniş İ., Gök Sadıkoğlu Ü. T.
5. International Istanbul Textile Congress 2015: Innovative Technologies "Inspire to Innovate", İstanbul, Turkey, 11 - 12 September 2015, pp.1-5
- XLVI. Chloroform Acetic Acid Solvent Systems For Nanofibrous Polycaprolactone Webs**
YALÇIN İ., Vojtech J., GÖK SADIKOĞLU Ü. T.
15th Autex World Textile Conference 2015, 10 - 12 June 2015
- XLVII. Tıbbi Tekstillerde Nanoteknoloji**
Sezgin H., Kızıldağ N., Yalçın Eniş İ., Küçükali Öztürk M.
15. Tekstil Teknolojisi ve Kimyasındaki Son Gelişmeler Sempozyumu, Bursa, Turkey, 14 - 16 May 2015, pp.1-5
- XLVIII. Ekolojik Tekstillerin Bebek Giysilerindeki Önemi**
Küçükali Öztürk M., Yalçın Eniş İ., Kızıldağ N., Sezgin H.
15. Tekstil Teknolojisi ve Kimyasındaki Son Gelişmeler Sempozyumu, Bursa, Turkey, 14 - 16 May 2015, pp.1-5
- XLIX. Nanoiplikler**
Kızıldağ N., Sezgin H., Küçükali Öztürk M., Yalçın Eniş İ.
15. Tekstil Teknolojisi ve Kimyasındaki Son Gelişmeler Sempozyumu, Bursa, Turkey, 14 - 16 May 2015, pp.1-5
- L. Tekstil Sektöründe Organik Pamuk**
Yalçın Eniş İ., Sezgin H., Küçükali Öztürk M., Kızıldağ N.
15. Tekstil Teknolojisi ve Kimyasındaki Son Gelişmeler Sempozyumu, Bursa, Turkey, 14 - 16 May 2015, pp.1-5
- LI. Chloroform Formic Acid Solvent Systems for Nanofibrous Polycaprolactone Webs**
YALÇIN İ., VOJTECH J., GÖK SADIKOĞLU Ü. T.
WASET 2015, 5 - 06 May 2015
- LII. Comfort and Mechanical Performance Analysis of Spunlaced Nonwoven Fabrics**
Yalçın Eniş İ., Sezgin H., Gök Sadıkoğlu Ü. T., Berkalp Ö. B.
14th Autex World Textile Conference, Bursa, Turkey, 26 - 28 May 2014, pp.1-5
- LIII. Design of a Flame Retardant Tubular Woven Cloth Construction**
Sezgin H., Yalçın Eniş İ., Göcek İ., Berkalp Ö. B.
14th Autex World Textile Conference, Bursa, Turkey, 26 - 28 May 2014, pp.1-5
- LIV. Design of a Composite Reinforced with Shredded Cotton Fabric Wastes**
Sezgin H., Yalçın Eniş İ., Gök Sadıkoğlu Ü. T., Berkalp Ö. B.
The Fiber Society Spring 2014, Liberec, Czech Republic, 21 - 23 May 2014, pp.1-5
- LV. The Use of Nonwovens as Capillary Mineral Bags for Indoor Landscaping**
Yalçın Eniş İ., Sezgin H., Gök Sadıkoğlu Ü. T., Berkalp Ö. B.
The Fiber Society Spring 2014, Liberec, Czech Republic, 21 - 23 May 2014, pp.1-2
- LVI. The Use of Different Solvent Types for Electrospinning of Polycaprolactone Tubular Scaffolds**
Yalçın Eniş İ., Horakova J., Gök Sadıkoğlu Ü. T.
Nanotech MEETs Tunisia, Hammamet, Tunisia, 23 - 27 April 2014, pp.1-5
- LVII. Design of a UV-Protected Nonwoven Fabric with Anti-mosquito Property**
Sezgin H., Yalçın Eniş İ., Berkalp Ö. B., Özcan G., Gök Sadıkoğlu Ü. T.
Nanotech MEETs Tunisia, İzmir, Turkey, 23 - 27 April 2014, pp.1-5
- LVIII. Structure Optimization of Small Diameter Nanofibrous Vascular Tube**

YALÇIN İ., GÖK SADIKOĞLU Ü. T., SEZGİN H., ÖZCAN G., BERKALP Ö. B.

Workshop Světlanka 2013, 18 - 20 September 2013

- LIX. **Sound Absorption Materials**
Küçükali Öztürk M., Sezgin H., Kızıldağ N., Yalçın Eniş İ.
Advanced Materials World Conference (AMWC 2013), İzmir, Turkey, 16 - 20 September 2013, pp.1-5
- LX. **Biomaterials for Construction of Vascular Grafts, Advanced Materials**
Yalçın Eniş İ., Küçükali Öztürk M., Sezgin H., Kızıldağ N.
Advanced Materials World Conference (AMWC 2013), İzmir, Turkey, 16 - 20 September 2013, pp.1-5
- LXI. **Biomaterials for Construction of Vascular Grafts**
YALÇIN İ., GÖK SADIKOĞLU Ü. T., SEZGİN H., ÖZCAN G., BERKALP Ö. B.
Advanced Materials World Conference (AMWC 2013), 16 - 20 September 2013
- LXII. **Horn as a Biomaterial**
Sezgin H., Kızıldağ N., Yalçın Eniş İ., Küçükali Öztürk M.
Advanced Materials World Conference (AMWC 2013), İzmir, Turkey, 16 - 20 September 2013, pp.1-5
- LXIII. **Applications of Electrospun Silk Fibroin Nanowebs**
KIZILDAĞ N., YALÇIN İ., SEZGİN H., KÜÇÜKALİ ÖZTÜRK M.
Advanced Materials World Conference, 16 - 19 September 2013
- LXIV. **Eco-Friendly Sound Absorbant Composite Panels**
Berkalp Ö. B., Yalçın Eniş İ., Küçükali Öztürk M., Nergis F. B., Candan C.
Advances in Functional Textiles, Manchester, United Kingdom, 25 - 26 July 2013, pp.1-5
- LXV. **Nanofiber Morphology Optimalization for Using as Tubular Artificial Blood Vessels,**
Horakova J., Yalçın Eniş İ., MIKES P., Gök Sadıkoğlu Ü. T.
TERMIS 2013, İstanbul, Turkey, 17 - 20 June 2013, pp.1-5
- LXVI. **Applications of Silk Fibroin Electrospun Nanowebs**
Kızıldağ N., Yalçın Eniş İ., Küçükali Öztürk M., Sezgin H.
Advanced Materials World Conference (AMWC 2013), İzmir, Turkey, 16 September - 20 June 2013, pp.1-5
- LXVII. **Morphological Analysis of Polycaprolactone Tubular Scaffolds**
Yalçın Eniş İ., Horakova J., MIKES P., Gök Sadıkoğlu Ü. T., Lukas D.
The International Istanbul Textile Congress 2013, İstanbul, Turkey, 30 May - 01 June 2013, pp.1-5
- LXVIII. **Mechanical Analysis of Polymer Composites Reinforced with Nonwoven Mat**
Yalçın Eniş İ., Berkalp Ö. B.
19th International Structure and Structural Mechanics of Textiles Conference (STRUTEX), Liberec, Czech Republic, 3 - 04 December 2012, pp.1-5
- LXIX. **A Pre-Study On Electrospinning of Poly-?-Caprolactone Tubular Scaffolds,**
Yalçın Eniş İ., Horakova J., MIKES P., Pokorny P., Novak O., Gök Sadıkoğlu Ü. T., Lukas D.
19th International Structure and Structural Mechanics of Textiles Conference (STRUTEX), Liberec, Czech Republic, 3 - 04 December 2012, pp.1-5
- LXX. **The Usage of Nonwovens in Agricultural Irrigation Systems**
Berkalp Ö. B., Yalçın Eniş İ., Gök Sadıkoğlu Ü. T.
7th Central European Conference, Portoroz, Slovenia, 13 - 15 September 2012, pp.1-5
- LXXI. **Design of a Tea Tray from Textile Waste Reinforced Composite**
Yalçın Eniş İ., Berkalp Ö. B., Sezgin H., Gök Sadıkoğlu Ü. T.
7th Central European Conference, Portoroz, Slovenia, 13 - 15 September 2012, pp.1-5
- LXXII. **Electrospinning of Polyacrylonitrile (PAN) Nanofibers: Optimization of Process Parameters with Full Factorial Experimental Design**
Sezgin H., Yalçın Eniş İ., Beceren Y., Berkalp Ö. B.
7th Central European Conference, Portoroz, Slovenia, 13 - 15 September 2012, pp.1-5
- LXXIII. **Analysis of the Effect of Using Waste Nonwoven Reinforced Composite Backing on Sound Absorption Property of Spacer Knitted Fabric**
Yalçın Eniş İ., Küçükali Öztürk M., Gök Sadıkoğlu Ü. T., Nergis F. B., Candan C., Berkalp Ö. B., Bakkal M.
12th World Textile Conference AUTEX, Zadar, Croatia, 13 - 15 June 2012, pp.1-5

- LXXIV. **An Alternative Structure for Use in Construction of Artificial Blood Vessels Electrospun Nanoweb**
YALÇIN İ., KIZILDAĞ N.
1st SMARTEX-Egypt 2011 World Textiles Conference, 23 - 25 May 2011
- LXXV. **Design and Performance Analysis of Waste Nonwoven Reinforced Composites**
Yalçın Eniş İ., Gök Sadıkoğlu Ü. T., Berkalp Ö. B., Bakkal M.
5th International Textile, Clothing & Design Conference, Dubrovnik, Croatia, 3 - 06 October 2010, pp.1-5
- LXXVI. **The Usage of Mineral Added Nonwovens in Agricultural Irrigation Systems**
Gök Sadıkoğlu Ü. T., Berkalp Ö. B., Yalçın Eniş İ.
5th International Textile, Clothing & Design Conference, Dubrovnik, Croatia, 3 - 06 October 2010, pp.1-5
- LXXVII. **Investigation of Granulation Effect on the Performance of Nonwoven Waste Reinforced Polymer Composites**
Yalçın Eniş İ., Gök Sadıkoğlu Ü. T., Berkalp Ö. B., Bakkal M.
7th International Conference - TEXSCI 2010, Liberec, Czech Republic, 6 - 08 September 2010, pp.1-5
- LXXVIII. **Investigation of Granulation Effect on the Performance of Nonwoven Waste Reinforced Polymer Composites**
YALÇIN İ., GÖK SADIKOĞLU Ü. T., BERKALP Ö. B., BAKKAL M.
7th International Conference - TEXSCI 2010, 6 - 08 September 2010

Supported Projects

- Yalçın Eniş İ., Sezgin H., Çeçener G., Yolgösteren A., Nas Ö. F., Gül Satar N. Y., TUBITAK Project, Biyobozunur polimerik liflerden üretilmiş çift katmanlı küçük kalibreli vasküler greftlerin domuz karotis arterine uzun dönem implantasyonu ile otogreft oluşumunun gözlenmesi ve pre-klinik sürecin bütünsel analizi Observation of autograft formation with long-term implantation of bilayer small-caliber vascular grafts made of biodegradable polymeric fibers into the porcine carotid artery and a holistic analysis of the pre-clinical process, 2021 - 2024
- Yalçın Eniş İ., Özdemir S., Project Supported by Higher Education Institutions, KÜÇÜK ÇAPLI FİBRÖZ VASKÜLER GREFTLERİN MEKANİK ÖZELLİKLERİNİN İNCELENMESİ, 2021 - 2023
- Yalçın Eniş İ., Sezgin H., YALÇIN B., Akyıldız S. H., Project Supported by Higher Education Institutions, TEKSTİL ENDÜSTRİSİNDEN KAYNAKLANAN MİKROPLASTİKLERİN TESPİTİ VE ANALİZİ, 2021 - 2023
- Yalçın Eniş İ., Sezgin H., ÖZKÜR S., Gelmez K., KÜÇÜKALİ ÖZTÜRK M., Berkalp Ö. B., Project Supported by Higher Education Institutions, Düşük ve Yüksek Yoğunluklu Polietilen Şişe Kapaklarının Tekstil Atıkları ile Birlikte Geri Dönüştürülerek Kompozit Yapılarda Değerlendirilmesi, 2019 - 2022
- Yalçın Eniş İ., Gelmez K., Sezgin H., ÜSTÜN E. G., AKYILDIZ S. H., SAKMAR G., AKIN E. C., DERELİOĞLU A., Özkür S., ÇELİKKANAT B., et al., Project Supported by Higher Education Institutions, Denim Kumaş Ve Polietilen Ambalaj Atıklarından Sürdürülebilir Endüstriyel Ürün Tasarımları, 2019 - 2021
- Yalçın Eniş İ., Sezgin H., ÖZKÜR S., Project Supported by Higher Education Institutions, BİYO-REÇİNE ESASLI TEKSTİL KOMPOZİTLERİ, 2017 - 2019
- Yalçın Eniş İ., Gök Sadıkoğlu T., Project Supported by Higher Education Institutions, Inner surface (tunica intima) design, production and analysis of layered vascular grafts , 2015 - 2018
- Yalçın Eniş İ., Gök Sadıkoğlu Ü. T., TUBITAK Project, Küçük Çaplı Yapay Damar Tasarımı Geliştirilmesi Üretimi ve Klinik Öncesi Analizlerinin Gerçekleştirilmesi, 2015 - 2018
- Yalçın Eniş İ., Gök Sadıkoğlu T., Project Supported by Higher Education Institutions, Improvement of inadequacies of small diameter artificial blood vessels , 2014 - 2016
- Gök Sadıkoğlu Ü. T., TUBITAK Project, Nonwoven Atık Takviyeli Kompozit Tasarımı Ve Performansının İncelenmesi, 2010 - 2011

Scientific Refereeing

textile research journal, SCI Journal, June 2017

Türkiye Sosyal Araştırmalar Dergisi , National Scientific Refreed Journal, June 2017
JOURNAL OF INDUSTRIAL TEXTILES, SCI Journal, May 2017
JOURNAL OF INDUSTRIAL TEXTILES, SCI Journal, April 2017
textile research journal, SCI Journal, November 2016
JOURNAL OF INDUSTRIAL TEXTILES, SCI Journal, October 2016
SCIENCE OF ADVANCED MATERIALS, SCI Journal, August 2016
JOURNAL OF INDUSTRIAL TEXTILES, SCI Journal, August 2016
POLYMERS FOR ADVANCED TECHNOLOGIES, SCI Journal, July 2016
JOURNAL OF INDUSTRIAL TEXTILES, SCI Journal, May 2016
textile research journal, SCI Journal, May 2016
JOURNAL OF INDUSTRIAL TEXTILES, SCI Journal, December 2015
textile research journal, SCI Journal, November 2015
JOURNAL OF INDUSTRIAL TEXTILES, SCI Journal, September 2015
textile research journal, SCI Journal, September 2015
JOURNAL OF INDUSTRIAL TEXTILES, SCI Journal, July 2015
JOURNAL OF INDUSTRIAL TEXTILES, SCI Journal, February 2015
JOURNAL OF INDUSTRIAL TEXTILES, SCI Journal, January 2015
JOURNAL OF INDUSTRIAL TEXTILES, SCI Journal, December 2014
JOURNAL OF INDUSTRIAL TEXTILES, SCI Journal, October 2014
textile research journal, SCI Journal, January 2014

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Congress and Symposium Activities

CHEMTECH 2016, Session Moderator, İstanbul, Turkey, 2016

Scholarships

BIDEB2211 yurtiçi doktora bursu, TUBITAK, 2010 - 2016
ERASMUS MOBILITY, Other Government Agencies, 2015 - 2015
Yurtdışı araştırma bursu, Foundation, 2013 - 2014
BIDEB2210 yurtiçi yüksek lisans bursu, TUBITAK, 2008 - 2010

Non Academic Experience

İTÜ