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Education Information

Doctorate, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, Turkey 2022 - Continues
Postgraduate, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, Turkey 2018 - 2022
Undergraduate, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, Turkey 2012 - 2018

Research Areas

Technical Textiles

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Tekstil Teknolojileri ve Tasarımı, Tekstil Mühendisliği, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **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)

II. **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)

III. **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)

IV. **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.
TEKSTIL VE KONFEKSIYON, vol.31, no.3, pp.228-234, 2021 (SCI-Expanded)

Articles Published in Other Journals

I. **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)

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)

Books & Book Chapters

I. **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

II. **THE POTENTIAL USE OF FIBROUS WEBS ELECTROSPUN FROM POLYLACTIC ACID / POLY Ɛ-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

Refereed Congress / Symposium Publications in Proceedings

I. **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

II. **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

III. **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

IV. **Morphogical 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 NanomaterialsICMN 2020, India, 28 - 30 December 2020

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

Metrics

Publication: 21
Citation (WoS): 1
Citation (Scopus): 22
H-Index (WoS): 1
H-Index (Scopus): 2

Awards

Öztemur J., Best Oral Presentation, International Conference On Multifunctional Nanomaterials (Icmn 2020), December 2020