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Education Information

Doctorate, Bursa Uludağ University, Mühendislik Fakültesi, Tekstil Mühendisliği, Turkey 2014 - 2021

Postgraduate, Tekirdağ Namık Kemal University, Fen Bilimleri Enstitüsü, Tekstil Mühendisliği, Turkey 2011 - 2013

Undergraduate, Usak University, Mühendislik Ve Doğa Bilimleri Fakültesi, Tekstil Mühendisliği Bölümü, Turkey 2006 - 2010

Academic Titles / Tasks

Medical Doctor, İstanbul Technical University, Tekstil Teknolojileri Ve Tasarımı, Tekstil Mühendisliği, 2022 - Continues

Assistant Professor, Nisantasi University, Sanat ve Tasarım Fakültesi, Tekstil ve Moda Tasarımı, 2022 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development of Biodegradable Poly(butylene succinate) Based Nanofibrous Webs via Solution-Blow Spinning Technology for N95 Respiratory Filters**
Pakolpakçıl A.
Fibers and Polymers, vol.25, no.2, pp.473-484, 2024 (SCI-Expanded)
- II. **Optimization of the Centrifugal Spinning Parameters to Prepare Poly(butylene succinate) Nanofibers Mats for Aerosol Filter Applications**
Pakolpakçıl A., Kılıç A., Draczynski Z.
Nanomaterials, vol.13, no.24, 2023 (SCI-Expanded)
- III. **Preparation and characterization of the advanced alginate-based nanofibrous nonwoven using EDC/NHS coupling agent by electrospinning**
Pakolpakçıl A., Draczynski Z.
Journal of the Textile Institute, vol.113, no.9, pp.1908-1916, 2022 (SCI-Expanded)
- IV. **Production and characterization of polyurethane ultrafine fibre webs containing boric acid by electrospinning**
Pakolpakçıl A., Draczynski Z.
Indian Journal of Fibre and Textile Research, vol.47, no.3, pp.275-280, 2022 (SCI-Expanded)
- V. **A facile design of colourimetric polyurethane nanofibrous sensor containing natural indicator dye for detecting ammonia vapour**
Pakolpakçıl A., Draczynski Z.
Materials, vol.14, no.22, 2021 (SCI-Expanded)
- VI. **An in vitro study of antibacterial properties of electrospun hypericum perforatum oil-loaded poly(Lactic acid) nonwovens for potential biomedical applications**

- Pakolpakçıl A., Draczyński Z., Szulc J., Stawski D., Tarzyńska N., Bednarowicz A., Sikorski D., Hernandez C., Sztajnowski S., Krucińska I., et al.
Applied Sciences (Switzerland), vol.11, no.17, 2021 (SCI-Expanded)
- VII. **Green approach to develop bee pollen-loaded alginate based nanofibrous mat**
Pakolpakçıl A., Draczynski Z.
Materials, vol.14, no.11, 2021 (SCI-Expanded)
- VIII. **Design and in vivo evaluation of alginate-based pH-sensing electrospun wound dressing containing anthocyanins**
Pakolpakçıl A., OSMAN B., GÖKTALAY G., TÜMAY ÖZER E., ŞAHAN Y., BECERİR B., KARACA E.
Journal of Polymer Research, vol.28, no.2, 2021 (SCI-Expanded)
- IX. **Halochromic composite nanofibrous mat for wound healing monitoring**
Pakolpakçıl A., OSMAN B., TÜMAY ÖZER E., ŞAHAN Y., BECERİR B., GÖKTALAY G., KARACA E.
Materials Research Express, vol.6, no.12, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **An experimental study for evaluating the sound absorption coefficient of polylactic acid electrospun nonwoven**
Pakolpakçıl A.
Applied and Computational Engineering, no.7, pp.744-749, 2023 (Peer-Reviewed Journal)
- II. **An Experimental Design Approach to Examine the Influencing Parameters of Poly (Butylene Succinate) (PBS) Nanofibrous Nonwoven by Solution Blow Spinning**
Pakolpakçıl A.
Textile and Apparel, vol.33, no.3, pp.312-324, 2023 (Peer-Reviewed Journal)
- III. **Effect of PVDF content on the filtration performance and mechanical properties of melt-blown PP fibrous webs**
Eticha A. K., AKGÜL Y., PAKOLPAKÇIL A., Ünlü O. K., ÇUĞ H., KILIÇ A.
Journal of innovative engineering and natural science (Online), vol.3, no.2, pp.137-152, 2023 (Peer-Reviewed Journal)
- IV. **Effect of Glutaraldehyde Crosslinking Parameters on Mechanical and Wetting Properties of PVA/NaAlg Electrospun Mat**
Pakolpakçıl A., Pakolpakçıl A.
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, vol.26, pp.990-999, 2022 (Peer-Reviewed Journal)
- V. **Correction to: An experimental study on production of intelligent textile by using ionochromic materials**
Pakolpakçıl A.
International Advanced Researches and Engineering Journal, vol.04, no.01, pp.56, 2020 (Peer-Reviewed Journal)
- VI. **Halocromic smart textile surfaces and their medical usage possibilities Halokromi'k akilli tekstil yüzeyleri' ve tıbbi' amaçlı kullanım olanakları**
Pakolpakçıl A., KARACA E., BECERİR B.
Tekstil ve Mühendis, vol.25, no.111, pp.214-224, 2018 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Preparation of pH-sensing nanofibrous mat which contain natural functional dye for detecting acid-base vapor**
Pakolpakçıl A.
9. International Fiber and Polymer Research Symposium, Uşak, Turkey, 19 - 20 November 2021, pp.91-92
- II. **Evaluation of Antibacterial Property of Alginate Based Nanofiber Containing Bee Pollen**

- Pakolpakçıl A.
XVth International İzmir Textile and Apparel Symposium , İzmir, Turkey, 26 - 27 October 2021, pp.305-309
- III. An experimental study on using an electrospun pH-sensitive colorimetric marker for monitoring freshness of chicken breast as an indicator-label
Pakolpakçıl A.
8th International Conference on Materials Science and Nanotechnology For Next Generation , Elazığ, Turkey, 14 - 16 July 2021, pp.43-44
- IV. Assessment of the bacteriostatic effect of boric acid containing polyurethane electrospun mat
Pakolpakçıl A.
8. International Fiber and Polymer Research Symposium , Eskişehir, Turkey, 18 - 19 June 2021, pp.51-52
- V. Çapraz Bağlama İşlem Parametrelerinin Sodyum Aljinat ve Polivinilalkol Esaslı Dokusuz Yüzeylerin Mekanik Özellikleri Üzerindeki Etkisinin İncelenmesi
Pakolpakçıl A.
14. ULUSAL KİMYA MÜHENDİSLİĞİ KONGRESİ, Konya, Turkey, 10 - 12 June 2021, pp.88-89
- VI. Effect of Electrospinning Parameters on Nanofibers Which Contain Natural Dye
Pakolpakçıl A., Karaca E.
17th National 3rd International The Recent Progress Symposium On Textile Technology And Chemistry, Bursa, Turkey, 20 - 22 November 2019, pp.53-56
- VII. Investigation of a Natural pH-Indicator Dye for Nanofibrous Wound Dressings
Pakolpakkı A., KARACA E., BECERİR B.
18th World Textile Conference, AUTEX 2018, İstanbul, Turkey, 20 - 22 June 2018, vol.460
- VIII. Color characterization of the halochromic nanocomposites
Pakolpakçıl A., Karaca E., Becerir B., Osman B., Tümay Özer E., Göktalay G.
14th Nanoscience and Nanotechnology Conference, İzmir, Turkey, 22 - 25 September 2018, pp.21-22
- IX. A research of wettability behavior of sodium alginate/poly (vinyl alcohol) nanocomposites which contain red beetroot extract
Pakolpakçıl A., Karaca E., Becerir B., Osman B., Tümay Özer E., Şahan Y., Göktalay G.
14th Nanoscience and Nanotechnology Conference, İzmir, Turkey, 22 - 25 September 2018, pp.112-113
- X. Examination of a plant extract for smart wound dressings
Pakolpakçıl A., Karaca E., Becerir B.
8th International Istanbul Textile Conference - Evolution Technical Textile (ETT2018), İstanbul, Turkey, 14 - 16 April 2018, pp.275-280
- XI. Initial Study: UV-protection properties of cotton fabric dyed with orange peel
Pakolpakçıl A.
15th Romanian Textiles And Leather Conference , Brasov, Romania, 4 - 06 September 2014, pp.225-229
- XII. Dyeing of polyamide fabrics with a natural dye
Pakolpakçıl A.
15th Romanian Textiles And Leather Conference , Brasov, Romania, 4 - 06 September 2014, pp.440-444
- XIII. Enhancement of wet fastness halochromic dyed nylon fabrics with fixing agents
Pakolpakçıl A., Koruyucu A.
14th National and 1st International Recent Developments Textile Technology and Chemistry Symposium, Bursa, Turkey, 8 - 10 May 2013, pp.162-163

Supported Projects

Karaca E., Becerir B., Osman B., Tümay Özer E., Şahan Y., Göktalay G., TUBITAK Project, Çeşitli Doğal Bitki Ekstraktları Kullanılarak pH ile Renk Değiştiren Sodyum Alginat/Polivinil Alkol Nanolifli Yara Örtüsü Üretimi ve in vivo Çalışmalarla Değerlendirilmesi, 2017 - 2019