MD Ayben Pakolpakçıl

Personal Information

Email: pakolpakcilayben@itu.edu.tr
Web: https://avesis.itu.edu.tr/pakolpakcilayben

International Researcher IDs
ORCID: 0000-0002-6981-4980

Education Information

Doctorate, Bursa Uludağ University, Mühendislik Fakültesi, Tekstil Mühendisliği, Turkey 2014 - 2021
Postgraduate, Tekirdağ Namik 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, Istanbul 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.
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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., Draczyński 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., Draczyński 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.
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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**
Pakolpakçil 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 teksti˙l yüzeyleri˙ ve tibbi˙ amaçli kullanim olanaklari**
Pakolpakçil A., KARACA E., BECERİR B.
Tekstil ve Muhendis, 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**
Pakolpakcil 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