Asst. Prof. CANDAN AKCA

Personal Information

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International Researcher IDs
ScholarID: bdACFmcAAAAJ
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Publons / Web Of Science ResearcherID: AAF-4379-2020
ScopusID: 55956475000
Yoksis Researcher ID: 50347

Education

Doctorate, Ege University, Turkey 2005 - 2012
Undergraduate, Suleyman Demirel University, Mühendislik Ve Doğa Fakültesi, Tekstil Mühendisliği Bölümü, Turkey 2001 - 2005

Foreign Languages

English

Dissertations

Doctorate, zeolit mineralinin tekstil terbiyesinde kullanım olanaklarının araştırılması, Ege University, 2012

Research Areas

Avesis Research Areas: Textile Engineering and Technology, Metallurgical and Materials Engineering
WoS Research Areas: Engineering, Materials Science
Scopus Research Areas: General Engineering, General Materials Science

Academic Positions

Assistant Professor, 2013 - Present
Research Assistant, Suleyman Demirel University, 2012 - 2013
Research Assistant, Ege University, 2005 - 2012

Academic and Administrative Experience

2015 - Present

Manisa Celal Bayar University, 2022 - 2025
Manisa Celal Bayar University, 2020 - 2022
Manisa Celal Bayar University, 2018 - 2019
Manisa Celal Bayar University, 2015 - 2018

Courses

Undergraduate
Mühendislik Ekonomisi, Undergraduate, 2024 - 2025
Innovation Management, Undergraduate, 2024 - 2025
Mühendislik Ekonomisi, Undergraduate, 2024 - 2025
Introduction to Innovation Management, Undergraduate, 2024 - 2025
Associate Degree
moda, Associate Degree, 2015-2016, 2014-2015
girişimcilik, Associate Degree, 2015-2016, 2014-2015
matematik II, Associate Degree, 2013-2014
kimya, Associate Degree, 2013-2014
mesleki matematik, Associate Degree, 2013-2014
örme teknolojisi, Associate Degree, 2013-2014
doğal lifler, Associate Degree, 2013-2014
proje geliştirme, Associate Degree, 2013-2014
araştırma yöntem ve teknikleri, Associate Degree, 2013-2014
bilgisayar destekli tekstil tasarımı, Associate Degree, 2013-2014
matematik I, Associate Degree, 2013-2014
fizik, Associate Degree, 2013-2014

Articles

I. **Synthesis of imidazole derivatives and their immobilization to wool fabric to impart antibacterial properties**
AKCA C., Mutlu Gürgen N., Ateş M., Demiç Ş.
Chemical Papers, vol.78, no.5, pp.3297-3314, 2024 (SCI-Expanded, Scopus)
II. **Investigation of the Relationship Between the Structural Properties and Air, Water Drop and Particle Permeability of Different Masks Available in the Market**
akca C., KATI M. İ.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.19, no.4, pp.373-380, 2023 (TRDizin)
III. **A new method: The usage of natural zeolite as a killer chemical for hydrogen peroxide during the hydrogen peroxide bleaching Metodã nouã: utilizarea zeolitul natural pentru eliminarea chimica a peroxidului de hidrogen în timpul albirii**
AKCA C.
Industria Textila, vol.70, no.6, pp.519-522, 2019 (Scopus)
IV. **Synthesis and Usage of Active Modified Zn-Zeolite as an Antibacterial Agent**
AKCA C., KÖRLÜ A., ATEŞ M.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.14, pp.363-368, 2018 (TRDizin)
V. **Use of different natural dye sources for printing of cotton fabrics**
BAHTİYARİ M. İ., BENLİ H., Yavaş A., AKCA C.
Tekstil ve Konfeksiyon, vol.27, no.3, pp.259-265, 2017 (SCI-Expanded, Scopus, TRDizin)
VI. **USE OF SILVER-LOADED ZEOLITES IN THE ANTIBACTERIAL FINISHING OF COTTON FABRICS**
Can C., Korlu A., Ates M.

TEKSTIL VE KONFEKSIYON, no.1, pp.32-37, 2013 (SCI-Expanded, Scopus, TRDizin)

VII. **INVESTIGATION OF THE EFFECTS OF OZONE ON WHITENESS DEGREE IN WOOL FINISHING**
Gueluemser T., Akca C., BAHTİYARİ M. İ.
TEKSTIL VE KONFEKSIYON, no.1, pp.52-55, 2009 (SCI-Expanded, Scopus, TRDizin)

VIII. **Novel usage of wool**
BAHTİYARİ M. İ., Akca C., Duran K.
TEKSTIL VE KONFEKSIYON, no.1, pp.4-7, 2008 (SCI-Expanded, Scopus, TRDizin)

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Deterjanların Çevreye Etkisi**
AKCA C.
IMASES, 19 - 21 April 2019, (Full Text)

II. **Zeolit ve Kullanım Alanları**
AKCA C.
IMASES, 19 - 21 April 2019, (Full Text)

III. **Tekstilde Toksisite**
AKCA C.
2.Uluslararası Mesleki Bilimler Sempozyumu, Antalya, Turkey, 26 - 28 April 2018, (Summary Text)

IV. **3D Yazıcıların Tekstil ve Moda Endüstrisinde Kullanımı**
AKCA C.
2.Uluslararası Mesleki Bilimler sempozyumu, Antalya, Turkey, 26 - 28 April 2018, (Summary Text)

V. **The Usage of Copper Modified Natural Zeolites inTextile Finishing as an Antibacterial Agent**
AKCA C., KÖRLÜ A., ATEŞ M.
Fourth International Conference on Advances in Bio-Informatics, Bio-Technology and Environmental Engineering - ABBE 2016, BİRGHMAN, England, 17 - 18 March 2016, pp.42-45, (Full Text)

VI. **The investigation of the antibacterial and antifungal efficiencies of the textile immobilized Ag NHC N Heterocyclic Carbene Complexes**
AKCA C., TAŞCI Z., ÖZDEMİR İ., GÜNAL S., nurgül m.
GCSTI 2015, 30 September - 03 October 2015

VII. **Effect of bath pH in Alkanet root based natural dyeing of cotton fabrics**
AKCA C., BENLİ H., BAHTİYARİ M. İ.
GCSTI 2015, 30 September - 03 October 2015, (Full Text)

VIII. **The investigation of the antimicrobial efficiencies of the textile immobilized Ag NHC N Heterocyclic Carbene Complexes**
AKCA C., TAŞCI Z., GÜNAL S., ÖZDEMİR İ., nurgül m.
ICOEST 2015, 9 - 13 September 2015, (Full Text)

IX. **Application of Antibacterial Agents to Carboxymethylated Gauze Dressing**
KÖRLÜ A., DURAN K., PERİNCEK S., elemen s., AKCA C., vajhandl s., voncina b., Valh Volmajer j., Majcen Le Marechal a.
2nd International Congress on Healthcare and Medical Textiles, 25 - 26 September 2014, pp.53-54, (Full Text)

X. **Use of vegetable wastes in coloration of wool fabrics**
YAVAŞ A., BENLİ H., BAHTİYARİ M. İ., AKCA C.
autex 2014, 26 - 28 May 2014, (Full Text)

XI. **The investigation of usage of active modified natural minerals as an adsorbent in textile dyeing**
AKCA C., TAŞCI Z.
autex 2014, 26 - 28 May 2014

XII. **YÜN KUMAŞIN BOYANMASINDA LILIUM 'CASA BLANCA' BİTKİSİNİN KULLANIMI USE OF LILIUM 'CASA BLANCA' PLANT IN DYEING WOOL FABRIC**
AKCA C.

INTERNATIONAL AEGEAN CONFERENCES Innovation Technologies Engineering IX, İzmir, Turkey, 23 September 2024, pp.3-7, (Full Text)

XIII. **Use Of Vegetative Wastes In Coloration Of Wool Fabrics**
BAHTİYARİ M. İ., BENLİ H., YAVAŞ A., AKCA C.
14th World Textile Conference AUTEX, 26 - 28 May 2013, (Full Text)

XIV. **Dokuma kumaş önterbiyesinde karşılaşılan hatalar**
KÖRLÜ A., AKCA C.
bursa, 3 - 05 May 2013, (Full Text)

Funded Projects

KOÇAK S., BARDAK F., AKCA C., ÇAMLI PULAT Ç., DOYUK F., DİLEK TEPE H., ÖZKAN A. N., YALKIN H. E., SERT S., ASLIŞEN B., et al., Project Supported by Higher Education Institutions, BAP Infrastructure, Sudaki Mikroplastiklerin Boyutsal Dağılımının Görüntülenmesi ve Tutulumları İçin Doğal ve Modifiye Adsorbanların Kullanımı, 2023 - 2025
BARDAK F., SERT S., AKCA C., KARACA Ç., DİLEK TEPE H., KOÇAK S., ASLIŞEN B., Project Supported by Higher Education Institutions, BAP Infrastructure, Gelişmiş Tekniklerle Toprak ve Sulama Sularındaki Kimyasal ve Mineral İçeriğinin İncelenmesi ve Çilek, Zeytin Gibi Ürünlere Etkisi, 2021 - 2022
AKCA C., SERT S., KARACA Ç., KOÇAK S., ASLIŞEN B., DİLEK TEPE H., BARDAK F., Project Supported by Higher Education Institutions, Gelişmiş Tekniklerle Toprak ve Sulama Sularındaki Kimyasal ve Mineral İçeriğinin İncelenmesi ve Çilek, Zeytin Gibi Ürünlere Etkisi, 2021 - 2022
AKCA C., TUBITAK Project, 110 M 421, 2013 - 2014
AKCA C., TUBITAK Project, Ag NHC N HeterosiklikKarben Komplekslerinin Tekstil Endüstrisinde Antibakteriyel Bitim Maddesi Olarak Kullanılması ve Katalizör Özeliklerinin İncelenmesi, 2013 - Continues
AKCA C., Zeolit Mineralinin Tekstil Terbiyesinde Kullanım Olanaklarının Araştırılması DPT 2005 002 No lu ÖYP Tez Projesi Tamamlanmış Proje, 2008 - 2012

Peer Reviews in Scientific Publications

TEXTILE RESEARCH JOURNAL, Other journals, January 2018
TEXTILE RESEARCH JOURNAL, Other journals, January 2017

Metrics

Publication: 24
Citation (WoS): 30
Citation (Scopus): 37
H-Index (WoS): 4
H-Index (Scopus): 5

Scholarships

yurtiçi doktora bursu, TUBITAK, 2008 - 2012