

Prof. EMİNE DİLARA KOÇAK

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: S-4769-2019

ScopusID: 6602580120

Yoksis Researcher ID: 14948

Education Information

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Tekstil Eğitimi (Dr), Turkey
2001 - 2004

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Tekstil Eğitimi (YI)
(Tezli), Turkey 1996 - 1999

Undergraduate, Marmara University, Faculty of Technical Education, Textile Education, Turkey 1986 - 1990

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Polipropilen (PP), düşük yoğunluklu polietilen (LDPE) ile etilen vinil asetat (EVA) polimer alaşımlarından elde edilen liflerin mekanik, termal ve morfolojik özelliklerinin incelenmesi" /, Marmara Üniversitesi, Faculty of Technology, Textile Engineering, 2004

Research Areas

Textile Engineering and Technology, Textile Materials, Textile Chemistry, Textile Physics, Yarn Technology (Spinning, weaving, knitting), Cloth Technology, Dye Finishing Technology, Textile Quality Control, Textile Design, Textile Management, Textile Machinery, Technical Textiles, Engineering and Technology

Academic Titles / Tasks

Professor, Marmara University, Faculty of Technology, Textile Engineering, 1997 - Continues

Academic and Administrative Experience

Rectorate Commissioner, Marmara University, Faculty of Technology, Textile Engineering, 2018 - Continues
Erasmus Coordinator, Marmara University, Faculty of Technology, Textile Engineering, 2011 - 2012
Deputy Head of Department, Marmara University, Faculty of Technology, Textile Engineering, 2011 - 2012
Deputy Head of Department, Marmara University, Faculty of Technology, Textile Engineering, 2010 - 2011

Courses

Doctorate

Biyo Mühendislik ve Tekstil Uygulamaları, Doctorate, 2019 - 2020

Undergraduate

Elyaf Bilgisi, Undergraduate, 2019 - 2020

Supervised Theses

Koçak E. D., Atık hayvan kemiklerinden elde edilen kalojenin tekstil yüzeylerine uygulanabilirliğinin araştırılması, Postgraduate, S.KIZILKAYA(Student), Continues

Koçak E. D., Production and characterization of Fiber From Canola (Barissica Napus L.) stem wastes, Postgraduate, A.ADALET(Student), Continues

Koçak E. D., • Investigation of Applicability to the Textile Surface of the Flame Retardant Property of the Plant Growing in Turkey, Doctorate, Ç.GÜL(Student), Continues

Koçak E. D., Investigation of mechanical, sound absorption thermal and morphological properties of bio-based composites formed with fibers from cellulosic agricultural wastes and polyurethane foam , Doctorate, H.OLCAY(Student), Continues

Koçak E. D., Tekstil Temiz üretiminde sürdürülebilirliğin araştırılması ve yenilenebilir enerji kaynaklarından aktif karbon üretimi, Postgraduate, B.ARDİÇ(Student), Continues

Koçak E. D., Tunçay Atalay A., Development of Textile Based Soft Actuator For the Treatment of Muscle Diseases At Hand , Postgraduate, E.DEDE(Student), 2021

Koçak E. D., Termoterapi Uygulamaları İçin Isıtma Fonksiyonlu Tekstil Yüzeyinin Geliştirilmesi, Postgraduate, Z.BELER(Student), 2020

KOÇAK E. D., Endüstriyel tekstillerde kullanılan poliüretan ve polivinilklorür esash kaplama yüzeylerin performans özelliklerinin incelenmesi, Postgraduate, T.KIZILIRMAK(Student), 2015

KOÇAK E. D., Atık biyomateryallerden elde edilen aktif karbon üzerinde tekstil boyarmaddelerinin adsorpsiyonu, Postgraduate, B.KOCABIYIK(Student), 2013

KOÇAK E. D., Farklı yöntemlerle modifiye edilmiş palmye esash dokuma yapılar ile oluşturulan kompozit yapıların mekaniksel özelliklerinin incelenmesi, Postgraduate, O.BURÇAK(Student), 2013

KOÇAK E. D., Aloe vera jel katımlının biyopolimer karışımlarından üretilmiş nanokompozitin mekaniksel ve termal özelliklerine etkileri, Doctorate, A.ÖZGÜR(Student), 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Sustainable fabric printing by using pre-consumed cellulosic textile wastes: The effect of waste particle content**
YILDIZ Z., KARTAL İ., KOÇAK E. D., Ozer B., Kus B. N., ERYILMAZ O.
Journal of Cleaner Production, vol.448, 2024 (SCI-Expanded)
- II. **Mechanical and acoustic properties of alkali treated agricultural waste reinforced sustainable polyurethane composites**
KOÇAK E. D., Olcay H., YILDIZ Z.
Journal of Reinforced Plastics and Composites, vol.42, no.21-22, pp.1191-1203, 2023 (SCI-Expanded)

- III. **The mechanical, thermal and sound absorption properties of flexible polyurethane foam composites reinforced with artichoke stem waste fibers**
Olçay H., KOÇAK E. D.
JOURNAL OF INDUSTRIAL TEXTILES, vol.51, no.5_suppl, 2022 (SCI-Expanded)
- IV. **Synthesize and characterization of sustainable natural fibers/ conductive polymer composites**
Yazıcı P., Alkhateab B., Sezer E., KOÇAK E. D., Ustamehmetoğlu B.
JOURNAL OF INDUSTRIAL TEXTILES, vol.51, no.5_suppl, 2022 (SCI-Expanded)
- V. **Rice plant waste reinforced polyurethane composites for use as the acoustic absorption material**
Olçay H., KOÇAK E. D.
APPLIED ACOUSTICS, vol.173, 2021 (SCI-Expanded)
- VI. **Dyeing of Polypropylene Blends by Using Microwave Energy**
YILMAZ ŞAHİNBAŞKAN B., KOÇAK E. D., Merdan N., Akalin M.
JOURNAL OF ENGINEERED FIBERS AND FABRICS, vol.12, no.2, pp.20-27, 2017 (SCI-Expanded)
- VII. **Examining the Effects of Oxygen Plasma on Physical and Dyeing Properties of Some Cellulose Fibers**
Koçak E. D.
Materials Science-Medziagotyra, vol.22, pp.420-425, 2016 (SCI-Expanded)
- VIII. **Effect of the Ecological Methods on the Surface Modification of the Kenaf Fibers**
MISTIK S. İ., KOÇAK E. D., MERDAN N.
MATERIALS SCIENCE-MEDZIAGOTYRA, vol.22, no.3, pp.409-414, 2016 (SCI-Expanded)
- IX. **Research into the specifications of woven composites obtained from raffia fibers pretreated using the ecological method**
Kocak D., Merdan N., Evren O. B.
TEXTILE RESEARCH JOURNAL, vol.85, no.3, pp.302-315, 2015 (SCI-Expanded)
- X. **Colour and Fastness Properties of Silk Fabrics Dyed With Colours Obtained From The Flowers of The Papaver Rhoeas L. (Common Poppy)**
Merdan N., Koçak E. D., Yılmaz Şahinbaşkan B.
Asian Journal Of Chemistry, vol.24, no.10, pp.4295-4299, 2012 (SCI-Expanded)
- XI. **Effect of Applied Different Surface Modification Processes with Cellulose Enzyme on Properties of Luffa Fibres**
Merdan N., Sancak E., Koçak E. D., Yüksek M.
Asian Journal Of Chemistry, vol.24, pp.975-980, 2012 (SCI-Expanded)
- XII. **Investigation of mechanical thermal and morphological properties of biaxial glass fiber waste paper reinforced polyester composites**
KOÇAK E. D., SANCAK E., SESLİ Y., YENİDOĞAN S.
Science and Engineering of Composite Materials, vol.16, pp.197-208, 2012 (SCI-Expanded)
- XIII. **Impacts of Ultrasonic Energy on Wash ability Sewability and Colour Properties of Materials in Enzymatic Process**
CENGİZ C., KOÇAK E. D., MERDAN N., AKALIN M.
Asian Journal Of Chemistry, vol.23, pp.4925-4931, 2011 (SCI-Expanded)
- XIV. **Effects of luffa cylindrical fibers on some mechanical and printability properties of handsheets**
Aydemir C., Karademir A., Koçak E. D., Yenidoğan S.
Asian Journal Of Chemistry, vol.23, no.11, pp.4925-4931, 2011 (SCI-Expanded)
- XV. **Investigation of Properties of Polymer/Textile Fiber Composites**
Tasdemir M., Akalin M., Kocak D., Usta İ., Merdan N.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS, vol.59, no.3, pp.200-214, 2010 (SCI-Expanded)
- XVI. **Investigation of mechanical, thermal and morphological properties of biaxial glass fiber/waste paper reinforced polyester composites**
Yenidoğan S., Koçak E. D., Sesli Y., Sancak E.
Science And Engineering Of Composite Materials, vol.16, pp.197-208, 2009 (SCI-Expanded)
- XVII. **THE STUDY OF THE EFFECTS OF DIFFERENT CHEMICAL COMPOUNDS APPLIED ON LUFFA CYLINDRICA FIBRES WITH THE HELP OF ULTRASONIC ENERGY**

- Kocak D.
JOURNAL OF POLYMER ENGINEERING, vol.28, no.8, pp.501-515, 2008 (SCI-Expanded)
- XVIII. **The influence of ultrasonic energy on chemical treatment of surface properties and the properties of composites made of luffa cylindrical fiber-polyester resin**
Kocak E. D.
JOURNAL OF ENGINEERING MATERIALS AND TECHNOLOGY-TRANSACTIONS OF THE ASME, vol.130, no.4, 2008 (SCI-Expanded)
- XIX. **Mechanical, thermal, and microstructure analysis of silk- and cotton-waste-fiber-reinforced high-density polyethylene composites**
Kocak D., Tasdemir M., USTA İ., Merdan N., Akalin M.
POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, vol.47, no.5, pp.502-507, 2008 (SCI-Expanded)
- XX. **Properties of Recycled Polycarbonate/Waste Silk and Cotton Fiber Polymer Composites**
Tasdemir M., Kocak D., Usta İ., Akalin M., Merdan N.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS, vol.57, no.8, pp.797-805, 2008 (SCI-Expanded)
- XXI. **Properties of Polypropylene Composite produced with Silk and Cotton Fiber Waste as Reinforcement**
Taşdemir M., Koçak E. D., Usta İ., Merdan N.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS, vol.56, no.12, pp.1155-1165, 2007 (SCI-Expanded)
- XXII. **Effects of ultrasonic energy on the wash fastness of reactive dyes**
Akalin M., Merdan N., KOÇAK E. D., USTA İ.
ULTRASONICS, vol.42, pp.161-164, 2004 (SCI-Expanded)
- XXIII. **Effects of Ultrasonic Energy on Dyeing of Polyamide Microfiber Lycra Blends**
MERDAN N., AKALIN M., KOÇAK E. D., USTA İ.
Ultrasonics, vol.42, pp.165-168, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **Improvement of lichen reinforced soybean oil based coatings and their applications on textile**
KOÇAK E. D., YILDIZ Z., YUMUŞAK G.
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.14, no.3, pp.673-684, 2024 (Peer-Reviewed Journal)
- II. **Studies on Mechanical Performance of Cynara Scolymus / Polyethylene terephthalate Nonwoven Composites**
İzgi A. A., KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B., MERDAN N.
Selçuk Teknik, Özel Sayı (ICENTE'17), pp.107-116, 2018 (Peer-Reviewed Journal)
- III. **Effect of Microwave and Ultrasonic Surface Treatments on Heat Conductivity Properties of Luffa Cylindrica Fibre Reinforced Polyethylene Composites**
OVALI S., MISTIK S. İ., KOÇAK E. D.
International Journal of Pharmaceutical, Chemical and Biological Sciences, vol.6, no.4, 2016 (Peer-Reviewed Journal)
- IV. **Effect of Microwave Energy on Disperse Dyeability of Polypropylene Fibers**
KOÇAK E. D., AKALIN M., MERDAN N., YILMAZ ŞAHİNBAŞKAN B.
Marmara Journal of Pure and Applied Sciences, pp.27-31, 2015 (Peer-Reviewed Journal)
- V. **Investigation Of The Effect Of The Dyeing Method On The Dyeing Properties Of Wool Fabrics Dyed With Natural Dyes Extracted From Vaccinium Corymbosum L.**
KILINÇ M., KOÇAK E. D., EYÜPOĞLU Ş., DAYIOĞLU H., MERDAN N., YILDIZ F.
International Journal of Advances in Engineering and Pure Sciences, vol.27, pp.78-82, 2015 (Peer-Reviewed Journal)
- VI. **Investigation of The Dyeability Behavior of Banana Fibers With Natural Dye Extract Obtained From Turmeric Plants**
Eyüpoğlu Ş., Merdan N., Dayioğlu H., Koçak E. D.

- Marmara Fen Bilimleri Dergisi, vol.27, pp.40-44, 2015 (Peer-Reviewed Journal)
- VII. **POLİ(LAKTİK ASİT)'İN KULLANIM ALANLARI VE NANO LİF ÜRETİMDEKİ UYGULAMALARI**
Üner İ., Koçak E. D.
İstanbul Ticaret Üniversitesi Fen Bilimleri Dergisi , no.22, pp.79-88, 2013 (Peer-Reviewed Journal)
- VIII. **Effect of UV Absorbers On Cotton Fabrics**
Merdan N., Koçak E. D., Yılmaz Şahinbaşkan B., Yüksek M.
Advances in Environmental Biology, vol.6, pp.2151-2157, 2012 (Peer-Reviewed Journal)
- IX. **Investigation on Colour and Fastness Properties of Wool Fabrics with Colour Obtained From The Flowers of The Papaver Rhoas L Common Poppy**
MERDAN N., SAÇLIOĞLU M. Z., KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B.
Advances in Environmental Biology, vol.6, pp.750-755, 2012 (Peer-Reviewed Journal)
- X. **Effect of Degumming Performed with Different Type Natural Soaps and Through Ultrasonic Method on the Properties of Silk Fiber**
YÜKSEK M., KOÇAK E. D., BEYİT A., MERDAN N.
Advances in Environmental Biology, vol.6, pp.801-808, 2012 (Peer-Reviewed Journal)
- XI. **Sintering effect on mechanical properties of composites of bovine hydroxyapatite BHA 5 Al₂O₃ TiO₂**
Pazarlıoğlu S. S., Merve B., Küpeli G., Koçak E. D., Salman S.
Usak University Journal of Material Sciences, vol.1, pp.23-27, 2012 (Peer-Reviewed Journal)
- XII. **Sintering effect on mechanical properties of composites of bovine hydroxyapatite (BHA)-5(Al₂O₃-TiO₂)**
PAZARLIOĞLU S. S., SALMAN S., KOÇAK E. D.
Usak University Journal of Material Sciences, vol.1, no.1, pp.23-27, 2012 (Peer-Reviewed Journal)
- XIII. **Farklı oranlardaki pamuk atıkları (telef) ile desteklenmiş PP polimerinin oluşturduğu kompozit yapıların mekanik ve akış özelliklerinin incelenmesi**
Usta İ., Akalın M., Koçak E. D., Merdan N., Taşdemir M.
Gazi Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.16, no.2, pp.405-410, 2003 (Scopus)
- XIV. **Ultrasonik Yıkamaların Pamuk İplik Özelliklerine Etkileri**
Koçak E. D., Canoğlu S., Merdan N.
TEKSTİL TEKNİK, vol.5, no.10, pp.22-37, 2001 (Non Peer-Reviewed Journal)

Books

- I. **Chapter 7: Emerging Applications of Photocurable Polymers**
YILDIZ Z., KOÇAK E. D.
in: Specialty Polymers; Fundamentals, Properties, Applications and Advances, Ram K. Gupta, Editor, CRC Press, Taylor & Francis Group, Florida, pp.97-111, 2023
- II. **Chapter 18: Polymers for the Textile Industry**
KOÇAK E. D., YILDIZ Z.
in: Specialty Polymers; Fundamentals, Properties, Applications and Advances, Ram K. Gupta, Editor, CRC Press, Taylor & Francis Group, Florida, pp.265-277, 2023
- III. **Green Flame Retardants/Synergism in Nitrogen-and Phosphorus-Based Flame Retardants**
KOÇAK E. D., OLCAY H., gül ç.
in: Materials and Chemistry of Flame-Retardant Polyurethanes, Ram K. Gupta, Editor, American Chemical Society, Washington, pp.213-247, 2021
- IV. **Composite Material Design for Aircrafts from Sustainable Lignocellulosic Fibers—A Review**
KOÇAK E. D., gül ç.
in: Sustainable Textiles: Production, Processing, Manufacturing & Chemistry, Subramanian Senthilkannan Muthu, Editor, Springer, pp.23-39, 2021
- V. **Sustainability In Polyurethane Synthesis and Bio-Based Polyurethanes**
Olçay H., Koçak E. D., Yıldız Z.

in: Sustainability in the Textile and Apparel Industries, Subramanian Senthilkannan Muthu, Miguel Angel Gardetti, Editor, Springer, London/Berlin , Heidelberg, pp.1-178, 2020

- VI. **Use of Roselle (*Hibiscus sabdariffa*) in Composite Materials for Sustainability**
Taşdemir M., Gül Ç., Koçak E. D.
in: Sustainability in the Textile and Apparel Industries, Subramanian Senthilkannan Muthu, Editor, Springer, London/Berlin , Zug, pp.1-178, 2020
- VII. **The Effects of Ecological and Sustainable Chemical Surface Modification Methods on the Properties of Lignocellulose-Based Fibers**
Koçak E. D., Merdan N.
in: Sustainability in the Textile and Apparel Industries Sourcing Natural Raw Materials, Subramanian Senthilkannan Muthu, Editor, Springer, London/Berlin , Zug, pp.1-181, 2020
- VIII. **Sustainability In Polyurethane Synthesis and Bio-Based Polyurethanes**
OLCAY H., KOÇAK E. D., YILDIZ Z.
in: Sustainability in the Textile and Apparel Industries, Subramanian Senthilkannan Muthu, Miguel Angel Gardetti, Editor, Springer International Publishing, pp.139-156, 2020
- IX. **Use of Roselle (*Hibiscus sabdariffa*) in Composite Materials for Sustainability**
TAŞDEMİR M., KOÇAK E. D.
in: Sustainability in the Textile and Apparel Industries, Subramanian Senthilkannan Muthu, Miguel Angel Gardetti, Editor, Springer, Cham, pp.97-115, 2020
- X. **Sustainable Green-Based Composites from Renewable Resources in Textile: Industrial Cotton Wastes**
KOÇAK E. D., TAŞDEMİR M., GÜL Ç.
in: Sustainability in the Textile and Apparel Industries, Miguel Angel Gardetti, Editor, springer, CHAM, pp.45-61, 2020
- XI. **Chemical Surface Modification Methods on the Properties of Lignocellulose-Based Fibers Sustainability in the Textile and Apparel Industries**
KOÇAK E. D., MERDAN N.
in: Sustainability in the Textile and Apparel Industries, Muthu, Subramanian Senthilkannan, Gardetti, Miguel Ángel, Editor, Springer, pp.1-25, 2020
- XII. **Use of Roselle (*Hibiscus sabdariffa*) in Composite Materials for Sustainability**
TAŞDEMİR M., GÜL Ç., KOÇAK E. D.
in: Sustainability in the Textile and Apparel Industries, Miguel Angel Gardetti, Editor, springer, CHAM, pp.97-115, 2020
- XIII. **Sustainable Green-Based Composites from Renewable Resources in Textile: Industrial Cotton Wastes**
Koçak E. D., Taşdemir M.
in: Sustainability in the Textile and Apparel Industries, Subramanian Senthilkannan Muthu, Miguel Angel Gardetti, Editor, Springer, London/Berlin , Zug, pp.45-61, 2020
- XIV. **Sound Absorption Performance of Okra (*Abelmoschus esculentus* L.) Waste Fibers**
KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B., Ardıç B., İzgi A. A.
Lambert Academic Publishing, 2018
- XV. .
KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B.
LAP LAMBERT Academic Publishing, 2018
- XVI. **Fiber Extraction from Okra Plant Agricultural Wastes, Their Characterizations and Surface Modifications by Environmental Methods**
KOÇAK E. D., MERDAN N., MISTIK S. İ., YILMAZ ŞAHİNBAŞKAN B.
in: Sustainable Innovations in Textile Fibres, Subramanian Senthilkannan Muthu, Editor, Springer, Singapore, pp.53-80, 2018
- XVII. **Sustainable Nonwoven Products From Raising Wastes For Automotive Industry**
Erdal S., Akay D., KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B.
in: Current Academic Studies in Engineering Sciences, Serdar Salman, Rıdvan Karapınar, Duygu Kavak, Ali Kılıçer, Editor, Gece Kitaplığı, pp.1479-1490, 2018

- XVIII. **The Use of Luffa Cylindrica Fibres as Reinforcements in Composites**
KOÇAK E. D., MISTIK S. İ., AKALIN M., MERDAN N.
in: Biofiber Reinforcement in Composite Materials, Faruk Omar, Sain Mohini, Editor, Woodhead Publishing, pp.689-699, 2015
- XIX. **The Use of Palm Leaf Fibres as Reinforcements in Composites**
KOÇAK E. D., MISTIK S. İ.
in: Biofiber Reinforcement in Composite Materials, Faruk Omar, Sain Mohini, Editor, Woodhead Publishing, pp.273-281, 2015
- XX. **The Use of Luffa Cylindrica Fibres as Reinforcements in Composites**
KOÇAK E. D., MISTIK S. İ., AKALIN M., MERDAN N.
in: Biofiber Reinforcement in Composite Materials, Faruk Omar, Sain Mohini, Editor, Woodhead Publishing, pp.689-699, 2015
- XXI. **The Use of Palm Leaf Fibres as Reinforcements in Composites**
KOÇAK E. D., MISTIK S. İ.
in: Biofiber Reinforcement in Composite Materials, Faruk Omar, Sain Mohini, Editor, Woodhead Publishing, pp.273-281, 2015
- XXII. **Investigation of Elasticity Properties of Multiaxial Warp Knitted Bandages**
Uzun M., Koçak E. D., Mistik S. İ., Akalin M.
in: Medical and Healthcare Textiles, Anand S.C., Kennedy J.F., Miraftab M., Rajendran S, Editor, Woodhead Publishing Limited , Manchester, pp.150-160, 2010

Papers Published in Refereed Scientific Meetings

- I. **Microwave Assisted Surface Treatment of Okra Fibers**
izgi a. a., KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B.
18th Autex World Textile Conference, İstanbul, Turkey, 20 - 22 June 2018, pp.589-594
- II. **Atık Selülozun In Situ-Koagülasyonu ile Güçlendirilmiş, Biyo Esaslı Foto-Kürlenebilen Kaplamaların Geliştirilmesi ve Hafifletilmiş Tente/Branda Uygulamaları**
YILDIZ Z., KOÇAK E. D., ÖNEN H. A.
34. Ulusal Kimya Kongresi, Yalova, Turkey, 1 - 06 September 2022
- III. **Investigation of Thermal Characteristics of the Polyurethane Composites Reinforced with the Fibers Obtained from Agricultural Wastes**
Olçay H., Koçak E. D., Eryılmaz O.
ICNF 2021 - 5th International Conference on Natural Fibers, Lisbon, Portugal, 17 - 19 May 2021, pp.193-195
- IV. **Improvement the Washing Fastness of Fabrics with Water Repellent Finish via UV-Curable Coatings**
YILDIZ Z., ÖNEN H. A., Dehmen O. G., GÜNGÖR A., KOÇAK E. D.
17th NATIONAL 3rd INTERNATIONAL THE RECENT PROGRESS SYMPOSIUM ON TEXTILE TECHNOLOGY AND CHEMISTRY, 20 - 22 November 2019
- V. **INVESTIGATION OF THE PARAMETERS OF YARNS OBTAINED FROM SPINNING MILL WASTES**
akay d., izgi a. a., KOÇAK E. D.
17th NATIONAL 3rd INTERNATIONAL THE RECENT PROGRESS SYMPOSIUM ON TEXTILE TECHNOLOGY AND CHEMISTRY, 20 - 22 November 2019
- VI. **INVESTIGATION OF THERMAL AND MORPHOLOGICAL PROPERTIES OF ACTIVE CARBON OBTAINED BY LIGNOCELLULOSE BIO-BASED MATERIALS**
ardıç b., KOÇAK E. D.
17th NATIONAL 3rd INTERNATIONAL THE RECENT PROGRESS SYMPOSIUM ON TEXTILE TECHNOLOGY AND CHEMISTRY, Bursa, Turkey, 20 - 22 November 2019
- VII. **Mazı Gomalığından Elde Edilmiş Doğal Boya ile Boyanmış Çeşitli Doğal Protein Liflerinin Renk ve Haslık Özelliklerinin İncelenmesi**
KOÇAK E. D., YILDIZ F., MERDAN N.

BAİBÜ – BAMER KIBRISCIK ARAŞTIRMALARI VE HALK KÜLTÜRÜ SEMPOZYUMU, Turkey, 31 October - 01 November 2019

- VIII. **Investigation of Physical Properties of Recycled Polypropylene/Rice Husk Polymer Composite**
Ulutaş E., Taşdemir M., Koçak E. D.
The international conference on materials science, mechanical and automotive engineerings and technology, Nevşehir, Turkey, 21 - 23 June 2019, pp.202-205
- IX. **Geri dönüşümlü polipropilen/pirinç kabuğu polimer kompozitinin mekanik özelliklerinin incelenmesi**
Ulutaş E., Taşdemir M., Koçak E. D.
The international conference on materials science, mechanical and automotive engineerings and technology, Nevşehir, Turkey, 21 - 23 June 2019, pp.206-209
- X. **Geri dönüşümlü polipropilen/pirinç kabuğu polimer kompozitinin fiziksel özelliklerinin incelenmesi**
Ulutaş E., Taşdemir M., Koçak E. D.
The international conference on materials science, mechanical and automotive engineerings and technology, Nevşehir, Turkey, 21 - 23 June 2019, pp.202-205
- XI. **Ulutaş E., Taşdemir M., Koçak E. D.**
The international conference on materials science, mechanical and automotive engineerings and technology, Nevşehir, Turkey, 21 - 23 June 2019, pp.206-209
- XII. **Endüstriyel Bitim İşlemleri- Nano Hibrit Kaplama İle Dış Mekan Tekstil Ürünlerinin Çalışılması**
sütçüler c., izgi a. a., KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B.
V. Uluslararası Multidisipliner Çalışmaları Sempozyumu (ISMS), Ankara, Turkey, 16 - 17 November 2018, pp.317
- XIII. **Otomotiv Endüstrisi İ' çin Şardon Atıklarından Sürdürülebilir Dokusuz Yüzey Eldesi**
erdal s., akay d., KOÇAK E. D., YILMAZ ŞAHİNBAŞKAN B.
V. Uluslararası Multidisipliner Çalışmaları Sempozyumu (ISMS), Ankara, Turkey, 16 - 17 November 2018, pp.422
- XIV. **BOYAMALARIN RENKLİLİK ÖZELLİKLERİNE FARKLI MORDAN MADDELERİNİN ETKİLERİ**
DAYIOĞLU H., KOÇAK E. D., YILDIZ F.
Uluslararası Kültür, Sanat ve Toplum Sempozyumu, 18 - 20 October 2018
- XV. **SYNTHESIZE AND CHARACTERIZATION OF NATURAL FIBERS/ CONDUCTING POLYMER COMPOSITES**
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- XVIII. **Ultrasonic assisted Surface Treatment of Okra Fibers**
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- XIX. **Thermal Conductivities of Nonwoven Product From Enzymatic Treated Agricultural Okra Waste**
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- XL. **Comparative Properties of Polyolefin Fibers in Dyeing with Conventional and Microwave Heating Methods**
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- XLI. **Ses Yutum ve Isı Yalıtım Malzemelerine Alternatif: Bamya Lifleri**
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- XLIV. **Nonwoven production agricultural okra wastes and investigation of their thermal conductivities**
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- XLV. **Enginar Atıklarından Çevreyle Dost Doğal Lif Üretimi, Uluslararası**
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- XLVII. **Mengen de Kullanılan Geleneksel Poğ Örtülerindeki Doğal Boyalı Nakış İpliklerinin Renk Özelliklerinin İncelenmesi**
MERDAN N., KOÇAK E. D., EYÜPOĞLU Ş.
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- XLVIII. **Surface Modification of Agave Americana Fibers with Pectinase Enzyme**
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- XLIX. **Eco Friendly Printing of Silk Material with Natural Dyes Extracted From The Fruit of Plant Sambucus Nigra L**
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- L. **Investigation of Mechanical Properties of Platanus Orientalis L Seed Fiber Polypropylene Nonwoven Composites**
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- LI. **Ecological Surface Modification of Lignocellulosic Fibers Obtained From Arundo Donax L Plant**
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- LIII. **Using of Ultrasonic Sewing on Polyester Based Multiaxial Fabrics and Investigation of its Effects on the Mechanical Properties of the Composites**
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- LIV. **Using of Ultrasonic Sewing on Polyester Based Multiaxiel Fabrics and Investigation of Its Effects on the Mechanical Properties of the Composites**
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- LV. **Investigation of Transfer Print Quality on Nano Hybrid Coated Nonwoven Fabrics**
CANBOLAT Ş., MERDAN N., KOÇAK E. D., MISTIK S. İ.
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- LVI. **Investigation of Water Repellence Properties of Coated Nonwoven Fabrics**
KILINÇ M., MERDAN N., KOÇAK E. D., MISTIK S. İ.
5th International Istanbul Textile Congress 2015, İstanbul, Turkey, 11 - 12 September 2015, pp.65
- LVII. **Effect of Ecological Methods on Surface Threatments of Cotton Polypropylene Waste Fiber Reinforced Polymer Composites**
MISTIK S. İ., KAYAR M., KOÇAK E. D.
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- LVIII. **Effect of Ecological Methods on Surface Treatments of Cotton Polypropylene Waste Fiber reinforced Polymer Composites**
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- LX. **Effect of Different Surface Treatment Methods on Physical Properties of Banana Fibers**
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- LXI. **Dyeing of Polypropylene Based Textile Materials with Different Methods**
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- LXII. **Effect of Microwave Energy on Disperse Dyeability of Polypropylene Fibers**
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6 th International Istanbul Textile Conference on Future Technical Textiles, Turkey, 15 - 17 October 2014
- LXIII. **Ivestigation Of The Properties Of Alginat/Poly (Vinil Alcohol) Nano Fibers", XII Inernational Conference on Nanostructured Materials**
Koçak E. D., Erdem R., Sancak E.
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- LXIV. **An investigation of electromagnetic shielding and mechanical properties of conductive fiber reinforced composites**
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- LXV. **An Investigation Electromagnetic Shielding and Mechanical Properties of Conductive Fiber**

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- LXVI. **Investigation of Mechanical Properties of the Rattan Polyurethane Foam Composites**
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- LXVII. **Investigation of Mechanical Properties of the Nanohybrid Coated Cotton/HDPE Composites**
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Mıstık S. İ., Kayar M., Koçak E. D., Merdan N., Akalın M.
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- LXIX. **Effect of Ultrasonic Sewing on the Seam Strength Properties of the Woven Polyester Fabric**
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- LXX. **Effect of Ultrasonic Sewing on the Seam Strength Properties of the Woven Polyester and Polyamide Fabrics**
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- LXXI. **Dyeing Of Enzymatic Treated Hemp Fibre By Microwave Method**
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- LXXIII. **Effect of Ultrasonic Energy for Washing and Sewing Properties of Materials in the Enzymatic Processes**
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- LXXIV. **Tensile Properties Estimation Of Biaxial Glass Fiber Waste Paper Reinforced Polyester Composites By Using Ann Artificial Neural Network Method**
AKALIN M., YENİDOĞAN S., SESLİ Y., KOÇAK E. D.
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- LXXV. **Tensile Properties Estimation of Biaxial Glass Fibre/ Waste Paper Reinforced Polyester Composites by using Ann (Artificial Neural Network) Method**
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- LXXVI. **Mechanical Properties of Multi-axial Glass Fiber/ Mah-waste Kraftpaper Reinforced polyester Composites**
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ITC&DC 5th- International Textile, Clothing & Design Conference, Dubrovnik, Croatia, 3 - 06 October 2010, pp.76-83
- LXXVII. **Investigation of the Filtration Properties of Medical Properties Medical Masks**
AKALIN M., USTA İ., KOÇAK E. D., ÖZEN M. S.
Medtex07 International Conference and Exhibition on Healthcare and Medical Textiles, 16 - 18 July 2007

- LXXVIII. **Effects of different quantites of silk and cotton waste used as fibre reinforced composites with, recycled PA, and PC, PPHDPE on resultant composites structure**
Akalin M., Kocak D., Usta I., Tasdemir I., Merdan N.
1st International Textile Clothing and Design Conference, Dubrovnik, Croatia, 6 - 09 October 2002, pp.11-19

Supported Projects

- Koçak E. D., Merdan N., Şahinbaşkan B., TUBITAK Project, Bamya Abelmoschus Esculentus Gövde Atıklarından Lif Eldesi ve Liflerden Elde Edilen Dokusuz Yüzeylelerin Ses Yutum Isı Özelliklerinin Geliştirilmesi, 2016 - 2018
- Koçak E. D., Sancak E., Usta İ., Yüksek M., Project Supported by Higher Education Institutions, Türkiye de Bulunan Lif Esaslı Tarımsal Atıkların Biyokompozit Malzeme Olarak Değerlendirilmesi Ve Özelliklerinin İncelenmesi, 2014 - 2018
- Koçak E. D., Merdan N., Akın F., Project Supported by Higher Education Institutions, LEFKE BEZİ DOKUMACILIĞI, 2017 - 2017
- Koçak E. D., Akın F., Merdan N., Project Supported by Higher Education Institutions, Bolu İli Mengen İlçesindeki Geleneksel Tekstil Dokumalarında Doğal Boya Kullanımı ve Ürün Geliştirme, 2014 - 2017
- Koçak E. D., Merdan N., Dayıoğlu H., Project Supported by Higher Education Institutions, Tekstilde Kullanılan Poliüretan ve Polivinil Klorür Kaplama Yüzeylelerin Performans Özelliklerine Perlit Katkısı Etkisinin İncelenmesi, 2014 - 2016
- Kayar M., Mıstık S. İ., Sancak E., Koçak E. D., Boztoprak Y., Project Supported by Higher Education Institutions, Ultrasonik Dikişin Çok Eksenli Yapılarda Kullanılması ve Çok Eksenli Kumaşlardan Mamul Kompozitlerin Mekanik Özellikleri Üzerine Etkisinin Araştırılması, 2013 - 2016
- Koçak E. D., Mıstık S., Sancak E., Project Supported by Higher Education Institutions, Bor ve Karbon Liflerinin Takviye Malzemesi Olarak Kullanılmasıyla Üretilen Termoplastik Kompozit Malzemelerin Elektromanyetik Kalkanlama ve Mekanik Özelliklerinin İncelenmesi, 2013 - 2016
- Yüksek M., Koçak E. D., Project Supported by Higher Education Institutions, Elektro Çekim Yöntemi ile Medikal Kullanımına Yönelik Çok Fonksiyonlu Nanolif Kompozit Yara Örtüsü Tekstil Yüzey Üretimi ve Uygulaması, 2011 - 2012
- Koçak E. D., Ağırhan A. Ö., Project Supported by Higher Education Institutions, Aleo Vera jel katılımıyla biyopolimerler karışımlarından üretilmiş nano kompozit liflerin mekanik ve termal özelliklerine etkiler, 2010 - 2012
- Koçak E. D., Mıstık S., Sancak E., Project Supported by Higher Education Institutions, Bor Katkılı Nano liflerin Üretilmesi Mekanik Termal Ve Elektrik Özelliklerinin İncelenmesi, 2009 - 2011
- Koçak E. D., Project Supported by Higher Education Institutions, Farklı Yöntemlerle Modifiye Edilmiş Selüloz Esaslı Liflerle Oluşturulan Kompozit Yapıların Mekaniksel Özelliklerinin İncelenmesi, 2009 - 2011

Metrics

- Publication: 144
Citation (WoS): 138
Citation (Scopus): 198
H-Index (WoS): 6
H-Index (Scopus): 8

Invited Talks

- Sürdürülebilir yeni lifler, Seminar, Bursa Teknoloji Koordinasyon ve Ar-Ge Merkezi (BUTEKOM), Turkey, February 2020
- Sürdürülebilir yeni yeşil lifler, Seminar, Teksmer "Teknik Tekstiller Araştırma ve Uygulama Merkezi, Turkey, December 2019

Awards

Koçak E. D., 1001 Proje Yürütücülüğü, Tübitak Mag, May 2018

Koçak E. D., 2017 Marmara Üniversitesi Bilim Başarı Ödülü, Marmara Üniversitesi, October 2017

Koçak E. D., Yayın teşvik Ödülü, Tübitak, June 2003

Koçak E. D., 2002 Uluslararası Yayınlar ile ilgili Başarı Ödülü, Marmara Üniversitesi, May 2002

Koçak E. D., Yayın teşvik ödülü, Tübitak, September 2000

Non Academic Experience

TÜBİTAK, Panelist

TÜBİTAK, TEYDEP Proje Hakemliği

BİLİM SANAYİ VE TEKNOLOJİ BAKANLIĞI, Ar-Ge Komisyon Üyeliği

TÜBİTAK, Dış Danışman

Marmara Üniversitesi, Bölüm Başkan Yardımcısı

Marmara Üniversitesi, meyyas koordinatörü

Marmara Üniversitesi, erasmus koordinatörü

Marmara Üniversitesi, ÇAP YAP koordinatörü

Marmara Üniversitesi, Sınav koordinatörü