

Res. Asst. DİLAYDA KANMAZ

Personal Information

Office Phone: +90 224 294 2056 Extension: 42056

Email: dilaydakanmaz@uludag.edu.tr

Web: <https://avesis.uludag.edu.tr/dilaydakanmaz>

International Researcher IDs

ScholarID: v5uz0i0AAAAJ

ORCID: 0000-0002-6421-6324

Publons / Web Of Science ResearcherID: HSI-3968-2023

ScopusID: 58248941300

Yoksis Researcher ID: 307996

Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Biyomalzemeler (Dr), Turkey 2020 - Continues

Postgraduate, Yalova University, Institute Of Science, Polimer Mühendisliği (YI) (Tezli), Turkey 2017 - 2019

Undergraduate, Anadolu University, Faculty Of Business Administration, Department Of Business, Turkey 2014 - 2017

Undergraduate, Yalova University, Faculty Of Engineering, Ceramics) Department Polymer Engineering, Turkey 2012 - 2017

Certificates, Courses and Trainings

Other, Materials and Electro-Mechanical and Biomedical Based on Nanofibers, CISM - International Centre for Mechanical Sciences, 2022

Other, Mesenchymal Stem Cell: Isolation and Characterization and Microfluidic Chip Fabrication Techniques and Separation Applications, Eskişehir Osmangazi Üniversitesi, 2022

Other, Deneysel Hayvanlar Kullanım Sertifikası, Bursa Uludağ Üniversitesi, 2019

Other, Polimer İşleme Eğitimi, PAGEV, 2019

Other, Biyomedikal Kalibrasyon, Yalova Üniversitesi, 2018

Other, Devotrans Çekme-Basma Test Cihazı Eğitimi (GPUG/R 5kN-200kN), Devotrans, 2017

Dissertations

Postgraduate, NEW GENERATION NANOFIBER BASED MEDICAL MEMBRANE PRODUCTION, Yalova University, Institute Of Science, 2019

Research Areas

Biomaterials, Nanomaterials, Engineering and Technology

Academic Titles / Tasks

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Improvement of thermal stability, flame retardancy, hydrophobicity, tear and wear performance of polyester fabrics with graphene nanoplatelet coating**
Manasoglu G., ÇELEN R., KANMAZ D.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.141, no.32, 2024 (SCI-Expanded)
- II. **A New Lotus-Leaf-Inspired Beaded Nanofiber Strategy for the Development of Cryogel/Nanofiber Hybrid Structures**
KANMAZ D., OSMAN B., KARACA E.
Fibers and Polymers, vol.25, no.4, pp.1233-1242, 2024 (SCI-Expanded)
- III. **Preparation and characterization of latanoprost-loaded PVA nanofibers as an ocular drug delivery system for glaucoma treatment**
Altuntuğ Cesur M. İ., Osman B., Tümay Özer E., Kanmaz D., Baykara M., Karaca E.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.73, no.9, pp.761-770, 2024 (SCI-Expanded)

Articles Published in Other Journals

- I. **SİVRİSİNEK KOVUCU TEKSTİL MALZEMELERİ ÜZERİNE BİR DERLEME**
Çelen R., Kanmaz D., Aras C., Yıldız S., Tiritioğlu M., Düzyer Gebizli Ş., Koral Koç S., Karaca E.
TEKSTİL VE MUHENDİS, vol.30, no.132, pp.351-367, 2023 (Peer-Reviewed Journal)
- II. **Electrospun Polylactic Acid Based Nanofibers for Biomedical Applications**
KANMAZ D., KARAHAN TOPRAKÇI H. A., TOPRAKÇI O.
Material Science Research India, vol.15, no.3, pp.224-240, 2018 (Peer-Reviewed Journal)
- III. **Sürdürülebilirlik ve Sürdürülebilir Mühendislik**
KANMAZ D., TOPRAKÇI O., KARAHAN TOPRAKÇI H. A.
Plastik ve Ambalaj teknolojisi, 2018 (Peer-Reviewed Journal)
- IV. **Polimer Teknolojisinde Sürdürülebilir Kaynak Kullanımı ve Atık Yönetimi**
KANMAZ D., TOPRAKÇI O., KARAHAN TOPRAKÇI H. A.
Plastik ve Ambalaj Teknolojisi, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Production of renewable cork powder added multifunctional polyester yarn on the industrial scale**
Kanmaz D., Ömeroğlu S., Karaca E.
Association of Universities for Textiles World Conference (AUTEX2024), Liberec, Czech Republic, 17 - 19 June 2024, pp.1
- II. **The Effect of Hydrophobicity and Hydrophilicity of Nanofibers on Cryogel/Nanofiber Hybrid Biomaterial Production**
KANMAZ D., OSMAN B., KARACA E.
26th International Biomedical Science and Technology Symposium, Ankara, Turkey, 27 November 2022
- III. **Production and Characterization of Coenzyme Q10 Loaded Nanofiber Surface**
CAN S., KANMAZ D., KARACA E.
9th International Conference on Materials Science and Nanotechnology for Next Generation, Ankara, Turkey, 22 September 2022
- IV. **Sustainable and eco-friendly approach for lamination via polybutylene succinate films**

KILINÇ K., KANMAZ D., KARACA E.

CUKUROVA 8TH INTERNATIONAL SCIENTIFIC RESEARCHES CONFERENCE, Adana, Turkey, 15 - 17 April 2022, vol.2, pp.1176-1182

V. Production of pHEMA Based Cryogel/Nanofibers Hybrid Biomaterials

KANMAZ D., OSMAN B., KARACA E.

8th International Fiber and Polymer Research Symposium, Eskişehir, Turkey, 18 - 19 June 2021

VI. Korneal Biyomalzemeler

KANMAZ D.

7. International Fiber and Polymer Research Symposium, Bursa, Turkey, 25 - 26 September 2020

VII. Fabrication of Active Agent Based Polylactic Acid (PLA) Membranes

KANMAZ D., TOPRAKÇI O.

6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG-2019), 16 - 18 October 2019

VIII. ANTIMICROBIAL ACTIVITY OF POLYLACTIC ACID NANOFIBERS

KANMAZ D., TOPRAKÇI O.

Anti-Microbial Coating Innovations to Prevent Infectious Diseases (AMICI), 07 May 2019

IX. Antimicrobial Activity of Electrospun Polylactic Acid Nanofiber Composites

KANMAZ D., TOPRAKÇI O.

Anti-Microbial Coating Innovations to Prevent Infectious Diseases (AMICI), 07 May 2019

X. Sustainable Polymer Composites from Waste

KANMAZ D., TOPRAKÇI O., KARAHAN TOPRAKÇI H. A.

International Congress on Engineering and Life Sciences (ICELIS), 26 April 2018 - 29 April 2019

XI. Production of Polylactic Acid Nanofibers by Electrospinning

KANMAZ D., TOPRAKÇI O., KARAHAN TOPRAKÇI H. A.

International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), 26 April 2018 - 27 April 2019

XII. A Sustainable Approach for Polymer Composite Production

KANMAZ D., TOPRAKÇI O., KARAHAN TOPRAKÇI H. A.

IV. International Ege Composite Materials Symposium (KOMPEGE), 6 September - 08 November 2018

XIII. Sustainable Upcycled Polymer Composites

KANMAZ D., KARAHAN TOPRAKÇI H. A., TOPRAKÇI O.

1st International Symposium on Graduate Research in Science Focus on Entrepreneurship and Innovation (ISGRS 2018), İstanbul, Turkey, 4 - 06 October 2018, vol.1, pp.110

Supported Projects

KARACA E., YILDIZ S., DÜZYER GEBİZLİ Ş., ÇELEN R., ARAS C., TİRİTOĞLU M., KANMAZ D., KORAL KOÇ S., MANASOĞLU G., Project Supported by Higher Education Institutions, Sitronella Yağı Esaslı Mikrokapsüller İçeren Sivrisinek Kovucu Poliüretan Nanolifli Yüzey Üretimi ve Karakterizasyonu, 2023 - Continues

Kanmaz D., Karaca E., Sağdılek E., Irmak E. T., Project Supported by Higher Education Institutions, İki ve Üç Katlı NanolifKriyojel Esaslı Biyomalzeme Geliştirilmesi ve Kanamayı Durdurucu Ajan Olarak Kullanım Performansının Değerlendirilmesi, 2023 - 2024

KARACA E., KANMAZ D., Project Supported by Higher Education Institutions, Hidroksiapatit Nanopartikül Katkılandırılmış PHEMA Kriyojellerin Morfolojik, Yapısal ve Mekanik Özelliklerinin Değerlendirilmesi, 2023 - 2024

Karaca E., Ömeroğlu S., Kılınç K., TUBITAK Project, Meşe Mantarı Katkılı Fonksiyonel Poliester İplik Üretimi, 2022 - 2024

KARACA E., KANMAZ D., Project Supported by Higher Education Institutions, Nanolifli YüzeyKriyojel Hibrit Biyomalzemelerin Üretimi ve Karakterizasyonu, 2021 - 2022

KARACA E., OSMAN B., KANMAZ D., Project Supported by Higher Education Institutions, Biyomedikal Alanda Kullanıma Yönelik PHEMA Nanolifli Yüzey Üretimi ve Karakterizasyonu, 2020 - 2021

Toprakçı O., Kanmaz D., Project Supported by Higher Education Institutions, New Generation Nanofiber Based Medical

Membrane Production, 2018 - 2020

Ölmez H., Keinänen-Toivola M., TÜBİTAK - AB COST Project, Anti-Microbial Coating Innovations to Prevent Infectious Diseases (AMiCI), 2016 - 2020

Patent

Karaca E., Ömeroğlu S., Kanmaz D., Kılınc K., MEŞE MANTARI İÇEREN İPLİK VE BU İPLİĞİN ÜRETİMİ, Patent, CHAPTER D Textile; Paper, The Invention Registration Number: 2023/011927 , Standard Registration, 2024

Karaca E., Osman B., Kanmaz D., Kriyojel/Nanolif Hibrit Biyomalzeme, Patent, CHAPTER D Textile; Paper, The Invention Registration Number: 2022/008927 , Standard Registration, 2023

Karaca E., Osman B., Kanmaz D., CRYOGEL / NANO FIBER HYBRID BIOMATERIAL, Patent, CHAPTER D Textile; Paper, The Invention Recourse Number: PCT/TR2022/050573 , Standard Registration, 2022

Scientific Research / Working Group Memberships

Biyomalzemeler Araştırma Grubu, Bursa Uludağ University, Turkey, <https://avesis.uludag.edu.tr/arastirma-grubu/biomarg>, 2019 - Continues

Metrics

Publication: 20

Citation (WoS): 6

Citation (Scopus): 6

H-Index (WoS): 2

H-Index (Scopus): 1

Scholarships

2250-Lisansüstü Performans Bursları, TÜBİTAK, 2024 - 2024

2250-Lisansüstü Performans Bursları, TÜBİTAK, 2024 - 2024

2250-Lisansüstü Performans Bursları , TÜBİTAK, 2023 - 2023

2250-Lisansüstü Performans Bursları , TÜBİTAK, 2023 - 2023

Grant Opportunity, Other International Organizations, 2022 - 2022

Awards

Kanmaz D., Ölmez H., Toprakçı O., Best Scientific Study, International Conference On Materials Science And Nanotechnology For Next Generation (Msg2019), October 2019

Kanmaz D., Toprakçı O., Ölmez H., Adlhart C., The Best Poster Presentation, Amici (Ca 15114- Anti-Microbial Coating Innovations To Prevent Infectious Diseases) Workshop, March 2019

Kanmaz D., Karahan Toprakçı H. A., Toprakçı O., First place of the best poster presentation, International Symposium On Composite Materials (Kompege2018), September 2018

Non Academic Experience

TÜBİTAK