

Lect. PhD MERVE DANIŞMAN

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Canakkale Onsekiz Mart University, Lisansüstü Eğitim Enstitüsü, Kimya, Turkey 2013 - 2021

Postgraduate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Kimya Mühendisliği, Turkey 2010 - 2012

Undergraduate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Kimya Mühendisliği, Turkey 2004 - 2009

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Mikro ve Nano Dolgu Malzemelerinin Enzimatik Yöntemle Yüzeylerinin Modifikasyonu, Canakkale Onsekiz Mart University, Lisansüstü Eğitim Enstitüsü, Kimya, 2021

Postgraduate, In Vitro Koşullarda Kalsiyum Oksalat Monohidrat Kristal Büyümesine Doğal Katkı Maddelerinin Etkisinin İncelenmesi , Yıldız Technical University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği/Temel İşlemler Ve Termodinamik, 2012

Research Areas

Chemistry, Physical Chemistry, Polymers and Their Applications, nanocomposites, Polymeric Materials, Chemical Engineering and Technology, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Lecturer PhD, Canakkale Onsekiz Mart University, Bayramiç Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2017 - Continues

Courses

Analitik Kimya, Associate Degree, 2022 - 2023

Laboratuvar Tekniği Uygulamaları, Associate Degree, 2022 - 2023

Organik Kimya, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Nanoteknoloji ve Uygulama Alanları, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021

Genel Kimya, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Laboratuvar Tekniği II, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020

Polimer Teknolojisi, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Laboratuvar Tekniği I, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020

Araştırma Yöntem ve Teknikleri, Associate Degree, 2020 - 2021

Gıdalarda Temel İşlemler, Associate Degree, 2017 - 2018

Kimya II, Associate Degree, 2016 - 2017

Gıda Endüstrisi Makineleri, Associate Degree, 2016 - 2017

Kimya I, Associate Degree, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development of melatonin-embedded PLGA-PEG6000 nanofiber biomaterial, and investigation of the effects on abdominal adhesion formation**
GÖKÇE O. N., Aykora D., DANIŞMAN M., Demir U., AYDEĞER C., SUNER S. C., ORAL A., Karaboğa İ., UZUN M.
Journal of Bioactive and Compatible Polymers, vol.39, no.1, pp.63-75, 2024 (SCI-Expanded)
- II. **Microencapsulation of n-tridecane / n-tetradecane eutectic mixture with poly(methyl methacrylate) shell for candidate for food packaging thermal energy storage material**
Ertugral T., DANIŞMAN M., ORAL A.
POLYMER-PLASTICS TECHNOLOGY AND MATERIALS, vol.62, no.5, pp.554-562, 2023 (SCI-Expanded)
- III. **Surface modification of hydroxyapatite with enzyme-catalyzed reaction: Computation-supported experimental studies**
Danisman M., Berisha A., Dagdag O., Oral A.
MATERIALS CHEMISTRY AND PHYSICS, vol.289, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **Grafting Through Styrene Polymerization on Electrospun Gelatin Nanofibers by Photopolymerization Type II**
Danışman M.
Journal of Optometry, Eye and Health Research, vol.4, no.2, pp.37-43, 2023 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Antioxidant Activity of PLA Films Prepared with Izmir Oregano Essential Oil and Antibacterial Effects of This Essential Oil**
COŞKUN Y., TÜRKER G., ÜNAL M. O., SUNER S. C., DANIŞMAN M., ULUSOY S., ORAL A.
Joint Conference 8th Organic Chemistry Conference and 4th Science & Engineering of Polymeric Materials, Yasmine Hammamet, Tunisia, 10 - 14 May 2023
- II. **Development Of Melatonin Embedded PLGA-PEG6000 Nanofiber Biomaterial, and Investigation of The Effects on Abdominal Adhesion Formation**
GÖKÇE O. N., AYKORA D., DANIŞMAN M., Demir U., AYDEĞER C., SUNER S. C., KARABOĞA İ., ORAL A., UZUN M.
8th Organic Chemistry Conference and 4th Science & Engineering of Polymeric Materials, Tunis, Tunisia, 14 - 18 May 2023

- III. **Grafting of Polystyrene on Electrospun Gelatin Nanofibers by Photopolymerization**
Danışman M., Suner S. C.
6th International Joint Science Congress of Materials and Polymers, Durres, Albania, 14 - 17 September 2022, pp.70
- IV. **Surface Modification of Graphene Oxide by Enzyme Catalyzed Reaction**
Danışman M., Oral A.
22nd International Scientific Conference 'Ecobalt 2021', Riga, Latvia, 21 - 23 October 2021, pp.38
- V. **Preparation, Characterization and Thermal Energy Storage Properties of Microcapsulated Phase Change Material for Seafood Cold Storage**
GÜNGÖR ERTUĞRAL T., DANIŞMAN M., ORAL A.
V. International Joint Science Congress of Materials and Polymers (ISCOMP), Burdur, Turkey, 29 August 2021, pp.47
- VI. **Surface Modification of Silica with Enzyme Catalyzed Reaction**
Danışman M., Oral A.
V. International Joint Science Congress of Materials and Polymers, Burdur, Turkey, 29 September - 03 October 2021, pp.68-69
- VII. **Preparation, Characterization and Thermal Properties of n-tridecane/n-tetradecane Polymethylmethacrylate (PMMA) Microcapsules by Miniemulsion Polymerization for Seafood Cold Storage**
Güngör Ertuğral T., Danışman M., Oral A.
V. International Joint Science Congress of Materials and Polymers, Burdur, Turkey, 29 September - 01 October 2021, pp.46
- VIII. **Synthesis of Gelatin-co-Polystyrene Through Photopolymerization**
Oral A., Danışman M.
IV. International Joint Science Congress of Materials and Polymers, Tetovo, Macedonia, 7 - 10 October 2020, pp.71
- IX. **Surface Modification Reaction of Montmorillonite with Enzyme Catalyzed Reaction**
Danışman M., Oral A.
IV. International Joint Science Congress of Materials and Polymers, Tetovo, Macedonia, 7 - 10 October 2020, pp.83
- X. **Preparation and Characterization of Expanded Graphene / Polyurethane Nanocomposite Material for Use in Food Cold Storage**
Danışman M., Güngör Ertuğral T.
IV. International Joint Science Congress of Materials and Polymers, Tetovo, Macedonia, 7 - 10 October 2020, pp.32
- XI. **Investigation of Reaction Time and Enzyme Concentration Effects on Enzymatic Surface Modification of Hydroxyapatite**
Danışman M., Oral A.
III. International Joint Science Congress of Materials and Polymers, Pristine, Kosovo, 12 - 14 September 2019, pp.73
- XII. **"Surface Modification of Hydroxyapatite with Enzyme Catalyzed Reaction and Effect of Temperature on the Modification Reaction**
Danışman M., Kızılkaya B., Oral A.
II. International Joint Science Congress of Materials and Polymers, Durres, Albania, 9 - 12 November 2018, pp.59
- XIII. **The effects of avocado leaves extract on calcium oxalate monohydrate growth: An in vitro study**
Akyol E., Şenol M., Öner M.
Sixth European Conference on Crystal Growth, Varna, Bulgaria, 16 - 20 September 2018
- XIV. **Inhibition of Calcium Oxalate Crystal Growth by Plant Extracts**
Akyol E., Öner M., Şenol M., Kırboğa S.
2nd International Conference on Bioinspired and Biobased Chemistry & Materials, Nice, France, 15 - 17 October 2014, pp.263
- XV. **Effect of Corn Silk Extracts on Calcium Oxalate Crystallization**
Akyol E., Öner M., Şenol M., Kırboğa S.
2nd International Conference on Bioinspired and Biobased Chemistry & Materials, Nice, France, 15 - 17 October 2014, pp.32

XVI. Mısır Püskülü Ekstraktının Kalsiyum Oksalat Monohidrat Kristalizasyonuna Etkisinin İncelenmesi

Şenol M., Akyol E., Öner M.

10. Ulusal Kimya Mühendisliği Kongresi (UKMK-10), İstanbul, Turkey, 3 - 06 September 2012, pp.25

Supported Projects

COŞKUN Y., SUNER S. C., ULUSOY S., ÜNAL M. O., TÜRKER G., DANIŞMAN M., ORAL A., Project Supported by Higher Education Institutions, Bazı Bitkisel Uçucu Yağlar ile Hazırlanan PLA Filmlerin Antibakteriyel ve Salım Özelliklerinin İncelenmesi, 2022 - 2024

UZUN M., SALİHOĞLU Y. S., ORAL A., GÖKÇE O. N., OVALI M. A., KARABOĞA, İ., DEMİR U., DANIŞMAN M., Project Supported by Higher Education Institutions, Karın İçi Yapışıklıkları Engellemek Amacı ile Melatonin İçeren Matris Geliştirilmesi ve Etkinliğinin Araştırılması, 2022 - 2023

DANIŞMAN M., SANCAK E. B., Project Supported by Higher Education Institutions, Aşırı Aktif Mesane Sendromu Tedavisi için Oksibütinin Yüklü PLA Nanoküreciklerinin Üretilmesi ve Kontrollü Salımının İncelenmesi, 2022 - 2023

GÜNGÖR ERTUĞRAL T., DANIŞMAN M., Project Supported by Higher Education Institutions, Su Ürünlerinin Soğukta Muhafazası İçin Ambalaj Materyallerine Uygulanabilen n-tridekan, n-tetradekan Polimetilmetakrilat Mikrokapsüllerin Üretilmesi, 2020 - 2022

ORAL A., DANIŞMAN M., Project Supported by Higher Education Institutions, Mikro ve Nona Dolgu Malzemelerinin Enzimatik Yöntemle Yüzeylerinin Modifikasyonu, 2020 - 2021

Scientific Refereeing

BIOPROCESS AND BIOSYSTEMS ENGINEERING, Journal Indexed in SCI-E, November 2023

Metrics

Publication: 20

Citation (Scopus): 9

H-Index (Scopus): 2