

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

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

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Surface Modification of Micro and Nano Filling Materials by Enzymatic Method, Canakkale Onsekiz Mart University, Lisansüstü Eğitim Enstitüsü, Kimya, 2021

Postgraduate, Investigation of the Effect of Natural Additives on Calcium Oxalate Monohydrate Crystal Growth in Vitro Conditions, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, 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

Postgraduate

Biodegradable Polymeric Materials and Applications, Postgraduate, 2024 - 2025

Associate Degree

Laboratuvar Tekniği Uygulamaları, Associate Degree, 2024 - 2025, 2023 - 2024, 2022 - 2023

Organik Kimya, Associate Degree, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Polimer Teknolojisi, Associate Degree, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Genel Kimya, Associate Degree, 2024 - 2025, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Nanoteknoloji ve Uygulama Alanları, Associate Degree, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Analitik Kimya, Associate Degree, 2022 - 2023

Laboratuvar Tekniği II, Associate Degree, 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

Kimya II, 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. **Evaluating the efficacy of cherry stem extracts against calcium oxalate monohydrate crystallization in kidney stone treatment**
Danışman M., Akyol E.
BULGARIAN CHEMICAL COMMUNICATIONS, vol.56, no.3, pp.282-287, 2024 (Scopus)
- II. **One-Step Enzymatic Surface Modification of Graphene Oxide**
Danışman M., Oral A.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.20, no.3, pp.35-39, 2024 (Peer-Reviewed Journal)
- III. **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)

Papers Published in Refereed Scientific Meetings

- I. **Polymer-Based Bioactive Glass Scaffolds in Bone Regeneration Applications**

Aykora D., Danışman M., Uzun M.

VII. International Joint Science Congress of Materials and Polymers, Gaziantep, Turkey, 10 - 13 October 2024, pp.74-76

II. Synthesis And Optimization Of Polyvinylimidazole By Photopolymerization Type II

Danışman M., Oral A.

1th International Conference on Materials Science and Nanotechnology for Future Generations, MSNG 2024, Çanakkale, Turkey, 22 - 25 May 2024, pp.5

III. INVESTIGATION OF THE EFFECTS OF CHERRY STEM EXTRACT ON CALCIUM OXALATE MONOHYDRATE GROWTH IN IN-VITRO

Danışman M., Akyol E.

10TH INTERNATIONAL CONFERENCE ON NEW TRENDS IN CHEMISTRY, Budapest, Hungary, 19 - 21 April 2024, pp.32-33

IV. 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

V. 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

VI. 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

VII. 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

VIII. 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 (ISCMP), Burdur, Turkey, 29 August 2021, pp.47

IX. 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

X. 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

XI. 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

XII. 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

XIII. 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
- XIV. **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, Prishtine, Kosovo, 12 - 14 September 2019, pp.73
- XV. **“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
- XVI. **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
- XVII. **Effect of Corn Silk Extracts on Calcium Oxalate Crystallization**
Akyol E., Öner M., Şenol M., Kirboğa S.
2nd International Conference on Bioinspired and Biobased Chemistry & Materials, Nice, France, 15 - 17 October 2014, pp.32
- XVIII. **Inhibition of Calcium Oxalate Crystal Growth by Plant Extracts**
Akyol E., Öner M., Şenol M., Kirboğa S.
2nd International Conference on Bioinspired and Biobased Chemistry & Materials, Nice, France, 15 - 17 October 2014, pp.263
- XIX. **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

- Aydeğer C., Malçok Ü. A., Akar A., Aykora D., Uzun M., Oral A., Danışman M., Eroğlu H. A., Yurtgezen Z. G., Project Supported by Higher Education Institutions, Investigation of the Preventive Effects of a Controlled Melatonin-Releasing Biodegradable Biocompatible Nanofiber Barrier Application on Epidural Adhesion, 2024 - 2026
- Uzun M., Danışman M., Aykora D., Project Supported by Higher Education Institutions, Preparation of Ion-Loaded PLGA Nanofibers and Evaluation of Their Usability in Bone Healing, 2024 - 2025
- Yılmaz O., Oral A., Danışman M., Mutlu I., Canbey C., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), EFFECTS OF POLY(LACTIC ACID)-CAMMT BIOCOMPOSITE MATERIALS ON FRACTURE HEALING, 2024 - 2025
- Coşkun Y., Suner S. C., Ulusoy S., Ünal M. O., Türker G., Danışman M., Oral A., Project Supported by Higher Education Institutions, Investigation of Antibacterial and Release Properties of PLA Films Prepared with Some Plant Essential Oils, 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 Matriks 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
- Danışman M., Turkish National Agency, Growing Green Generations, 2020 - 2023
- Güngör Ertuğral T., Danışman M., Project Supported by Higher Education Institutions, Production of n-tridecane, n-tetradecane Polymethylmethacrylate Microcapsules Applicable to Packaging Materials for Cold Storage of Aquatic Products, 2020 - 2022
- ORAL A., DANIŞMAN M., Project Supported by Higher Education Institutions, Mikro ve Nona Dolgu Malzemelerinin Enzimatik Yöntemle Yüzeylerinin Modifikasyonu, 2020 - 2021

Peer Reviews in Scientific Publications

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

Tasks In Event Organizations

Danışman M., 1th International Conference on Materials Science and Nanotechnology for Future Generations, MSNG 2024, Scientific Congress, Çanakkale, Turkey, Mayıs 2024

Danışman M., 6th Organic Electronic Materials Technology Conference, OEMT 2024, Scientific Congress, Çanakkale, Turkey, Mayıs 2024

Metrics

Publication: 25

Citation (WoS): 9

Citation (Scopus): 16

H-Index (WoS): 2

H-Index (Scopus): 2