

Asst. Prof. PINAR SİNEM OMURTAG ÖZGEN

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Chemistry, Turkey 2013 - 2018

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Chemistry, Turkey 2011 - 2013

Undergraduate, Istanbul Technical University, Fen-Edebiyat, Kimya, Turkey 2006 - 2011

Research Areas

Health Sciences, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty of Pharmacy, Basic Pharmaceutical Sciences, 2022 - Continues

Assistant Professor, Istanbul Medipol University, Faculty Of Pharmacy, Department Of Basic Pharmaceutical Sciences, 2019 - 2022

Research Assistant, Istanbul Medipol University, Faculty Of Pharmacy, Department Of Basic Pharmaceutical Sciences, 2017 - 2019

Academic and Administrative Experience

Erasmus Program Institutional Coordinator, Istanbul Medipol University, 2020 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. GlycopolymERIC Photoactive Micelles for Glucose Transporter-Targeted Synergistic Combination Therapy**
Gencoglu Katmerlikaya T., Cetin Ersen B., DAĞ A., Sancakli B., OMURTAG ÖZGEN P. S., Keskin Yalcin E., Avci B. ACS Applied Polymer Materials, vol.6, no.7, pp.4149-4163, 2024 (SCI-Expanded)
- II. Increasing the biocompatibility of graphene-based hybrid nanostructures with glycopolymer**
DAĞ A., Omurtag Ozgen P. S., ZENGİN KURT B., Durmus Z. TURKISH JOURNAL OF CHEMISTRY, vol.46, no.2, pp.404-414, 2021 (SCI-Expanded)
- III. Phthalocyanine-Conjugated Glyconanoparticles for Chemo-photodynamic Combination Therapy**
DAĞ A., Cakilkaya E., Ozgen P. S., ATASOY S., Erdem G. Y., Cetin B., Kokuroglu A. C., Gurek A. G.

- BIOMACROMOLECULES, vol.22, no.4, pp.1555-1567, 2021 (SCI-Expanded)
- IV. **Glycopolymer decorated multiwalled carbon nanotubes for dual targeted breast cancer therapy**
Ozgen P. S., ATASOY S., ZENGİN KURT B., Durmus Z., Yigit G., DAĞ A.
JOURNAL OF MATERIALS CHEMISTRY B, vol.8, no.15, pp.3123-3137, 2020 (SCI-Expanded)
- V. **Glyconanoparticles for Targeted Tumor Therapy of Platinum Anticancer Drug**
DAĞ A., Ozgen P. S., ATASOY S.
BIOMACROMOLECULES, vol.20, no.8, pp.2962-2972, 2019 (SCI-Expanded)
- VI. **Indirect functionalization of multiwalled carbon nano tubes through non-covalent interaction of functional polyesters**
Omurtag P. S., Alkan B., Durmaz H., Hızal G., Tunca Ü.
POLYMER, vol.141, pp.213-220, 2018 (SCI-Expanded)
- VII. **Responsive Thiolactone-Derived N-Substituted Poly(Urethane-Amide)s**
Espeel P., Celasun S., Omurtag P. S., Martens S., Du Prez F. E.
MACROMOLECULAR RAPID COMMUNICATIONS, vol.38, no.7, 2017 (SCI-Expanded)
- VIII. **Quantitative First-Principles Kinetic Modeling of the Aza-Michael Addition to Acrylates in Polar Aprotic Solvents**
Desmet G. B., D'hooge D. R., Omurtag P. S., Espeel P., Marin G. B., Du Prez F. E., Reyniers M.
JOURNAL OF ORGANIC CHEMISTRY, vol.81, no.24, pp.12291-12302, 2016 (SCI-Expanded)
- IX. **Diels-alder click reaction for the preparation of polycarbonate block copolymers**
Omurtag P. S., Günay U. S., Dag A., Durmaz H., Hızal G., Tunca Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.51, no.10, pp.2252-2259, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Antibacterial Properties of Carvacrol against Antibiotic- Resistant Bacteria, Enteric Bacteria, and Oral Pathogens**
HOŞ A., ÖZGEN P. S., İNCİ A., AVCI B., CEYLAN C.
Journal of research in pharmacy (online), vol.27, no.4, pp.1380-1387, 2023 (ESCI)
- II. **Dual-Drug Conjugated Glyco-Nanoassemblies for Tumor-Triggered Targeting and Synergistic Cancer Therapy**
Katmerlikaya T. G., DAĞ A., Ozgen P. S., Ersen B. C.
ACS APPLIED BIO MATERIALS, vol.5, no.11, pp.5356-5364, 2022 (ESCI)
- III. **Chemical composition and in vitro mutagenic, antioxidant and anti-inflammatory activities of Lavandula angustifolia Mill. essential oil from Turkey**
Ozgen P. S., Biltekin S. N., Idug T., Macit C., Ayran I., Celik S. A., KÜLTÜR Ş., Kan Y., Omurtag G. Z.
JOURNAL OF RESEARCH IN PHARMACY, vol.26, no.4, pp.781-789, 2022 (ESCI)

Supported Projects

Elçioğlu H. K., Taşkın T., Çalışkan Salih E., Alarçin E., Omurtag Özgen P. S., Yavuz A. N., Taşkın D., Akakin D., Kerimoğlu O., Project Supported by Other Official Institutions, (ADEP) GELENEKSEL TIBBİ BİTKİLERİN ÇEŞİTLİ HASTALIK MODELLERİNDE TEDAVİ EDİCİ ETKİLERİNİN ARAŞTIRILARAK ÜRÜNE DÖNÜŞTÜRÜLMESİ, 2023 - 2026

Omurtag G. Z., Omurtag Özgen P. S., Project Supported by Higher Education Institutions, Türkiye'de kültüre alınan Lavandula angustifolia türünden elde edilen uçucu yağın kimyasal profilinin belirlenerek antidepresan, antioksidan, sitotoksik ve mutajenik aktivitelerinin araştırılması, 2020 - 2022

Omurtag G. Z., Omurtag Özgen P. S., Project Supported by Higher Education Institutions, Ülkemizde yetiştirilen Lavandula angustifolia türünden elde edilen uçucu yağın kimyasal profilinin belirlenerek mutajenik aktivitelerinin Ames metoduyla araştırılması, 2019 - 2022

Dağ A., TUBITAK Project, Glikopeptid Bazlı Nanopartiküllerin Sentezi ve Hedefli İlaç Taşıma Sistemleri Olarak Kanser Tedavisinde Etkinliğinin Araştırılması, 2015 - 2017

Metrics

Publication: 13

Citation (WoS): 108

Citation (Scopus): 124

H-Index (WoS): 7

H-Index (Scopus): 6