Asst. Prof. MELEK PARLAK KHALİLY

Personal Information

Email: melek.parlak@bozok.edu.tr
Web: https://avesis.bozok.edu.tr/melek.parlak

International Researcher IDs
ORCID: 0000-0002-5402-0467
Publons / Web Of Science ResearcherID: AAE-3227-2021
ScopusID: 57215913494
Yoksis Researcher ID: 129968

Education Information

Post Doctorate, Katholieke Universiteit Nijmegen, Faculty of Science, Bioorganic Chemistry, Netherlands 2019 - 2020
Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Kimya (Dr), Turkey 2009 - 2017
Doctorate, Katholieke Universiteit Nijmegen, Faculty of Science, Systems Chemistry, Netherlands 2014 - 2015
Undergraduate, Gazi University, Gazi Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 2004 - 2009

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Peptide-based drug systems, Middle East Technical University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2017

Research Areas

Life Sciences, Biochemistry, Biomolecules, Molecular Biochemistry, Biotechnology, Biomaterial, Biochemistry, Bioorganic Chemistry, Organic Chemistry, Chemistry of Natural Products, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Yozgat Bozok University, Kenevir Araştırma Enstitüsü, 2021 - Continues
Research Assistant PhD, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Kimya, 2018 - 2021
Researcher, Katholieke Universiteit Nijmegen, Faculty Of Science, Department Of Biomolecular Chemistry, 2019 - 2020
Research Assistant, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Chemistry, 2009 - 2018
Student, Katholieke Universiteit Nijmegen, Faculty Of Science , Department Of Biomolecular Chemistry, 2014 - 2015

Courses

Courses

Kannabinoidlerin Dağıtımı için Geliştirilen Nano ve Mikro Sistemler, Postgraduate, 2022 - 2023
Günlük Yaşamda Kimya, Undergraduate, 2022 - 2023, 2021 - 2022
Biyolojik Moleküllerin Yapı Analizi, Postgraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

I. **A Novel PEtOx-Based Nanogel Targeting Prostate Cancer Cells for Drug Delivery**
Gülyüz S., SESSEVMEZ M., Ukuser G., Khalily M., Tiryaki S., Sipahioglu T., Birgül K., Ömeroğlu İ., ÖZÇUBUKÇU S., Telci D., et al.
Macromolecular Bioscience, vol.24, no.3, 2024 (SCI-Expanded)

II. **Peptide-based diagnostic and therapeutic agents: Where we are and where we are heading?**
Khalily M., Soydan M.
Chemical biology & drug design, vol.101, pp.772-793, 2023 (SCI-Expanded)

III. **Synthesis, biocompatibility and gene encapsulation of poly(2-Ethyl 2-Oxazoline)-dioleoyl phosphatidylethanolamine (PEtOx-DOPE) and post-modifications with peptides and fluorescent dye coumarin**
Gulyuz S., Bayram D., Ozkose U. U., Bolat Z. B., Kocak P., SAKA O. M., DEVRİM B., PARLAK KHALİLY M., TELCİ D., ŞAHİN F., et al.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.70, no.14, pp.981-993, 2021 (SCI-Expanded)

IV. **Poly(2-ethyl-2-oxazoline-co-ethyleneimine)-block-poly(epsilon-caprolactone) based micelles: synthesis, characterization, peptide conjugation and cytotoxic activity**
Gulyuz S., Ozkose U. U., Khalily M., KESİCİ M. S., Kocak P., Bolat Z. B., KARA A., ÖZTÜRK N., ÖZÇUBUKÇU S., BOZKIR A., et al.
NEW JOURNAL OF CHEMISTRY, vol.45, pp.14532-14547, 2021 (SCI-Expanded)

V. **The synthesis of peptide-conjugated poly(2-ethyl-2-oxazoline)-b-poly(L-lactide) (PEtOx-b-PLA) polymeric systems through the combination of controlled polymerization techniques and click reactions**
Ozkose U. U., Gulyuz S., PARLAK KHALİLY M., ÖZÇUBUKÇU S., BOZKIR A., TAŞDELEN M. A., Alptürk O., Yilmaz O.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.138, no.17, 2021 (SCI-Expanded)

VI. **Synthesis and evaluation of tumor-homing peptides for targeting prostate cancer**
Nezir A. E., PARLAK KHALİLY M., Gulyuz S., ÖZÇUBUKÇU S., KÜÇÜKGÜZEL Ş. G., Yilmaz O., TELCİ D.
AMINO ACIDS, vol.53, no.5, pp.645-652, 2021 (SCI-Expanded)

VII. **A robust optimization approach for the breast cancer targeted design of PEtOx-b-PLA polymersomes**
ÖZ U. C., Bolat Z. B., Ozkose U. U., Gulyuz S., KÜÇÜKTÜRKMEN B., PARLAK KHALİLY M., ÖZÇUBUKÇU S., Yilmaz O., TELCİ D., ESENDAĞLI G., et al.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.123, 2021 (SCI-Expanded)

VIII. **Dual Site-Specific Chemoenzymatic Antibody Fragment Conjugation Using CRISPR-Based Hybridoma Engineering**
Le Gall C. M., van der Schoot J. M. S., Ramos-Tomillero I., Khalily M., van Dalen F. J., Wijfjes Z., Smeding L., van Dalen D., Cammarata A., Bonger K. M., et al.
BIOCONJUGATE CHEMISTRY, vol.32, no.2, pp.301-310, 2021 (SCI-Expanded)

IX. **Structure-based design, synthesis and anticancer effect of cyclic Smac-polyarginine peptides**
Khalily M., Gerekci S., Gulec E. A., ÖZEN C., ÖZÇUBUKÇU S.
AMINO ACIDS, vol.50, no.11, pp.1607-1616, 2018 (SCI-Expanded)

X. **The design and synthesis of a photo-controlled, peptide-based potential drug carrier**
Parlak Khalily M., ÖZÇUBUKÇU S.
TURKISH JOURNAL OF CHEMISTRY, vol.42, no.4, pp.1136-1145, 2018 (SCI-Expanded)

XI. **Biocatalytic resolution of multifunctional phosphonates**

PARLAK M., Md Shakhawoat H.
New Biotechnology, vol.29, pp.91-92, 2012 (SCI-Expanded)

Books & Book Chapters

I. **Responsive Peptide-based Materials: Stimulation by Chemical and Biological Signals**
Parlak Khalily M., Ramakers B. E. I., Guo H., Löwik D. W. P. M.
in: Chemoresponsive Materials: Smart Materials for Chemical and Biological Stimulation: Edition 2, Hans-Jörg Schneider, Editor, Royal Society of Chemistry , London, pp.345-377, 2022

II. **İlaç Etkin Maddesi Olan Kannabinoidlerin Formülasyon ve Dağıtım Stratejileri**
PARLAK KHALİLY M.
in: Sağlık Bilimleri Açısından Kenevir, Karadağ Ahmet, Temel Hamdi, Editor, Çukurova Nobel Tıp Kitapevi, pp.25-39, 2022

Refereed Congress / Symposium Publications in Proceedings

I. **Cannabidiol-loaded peptide hydrogel dressings for wound healing**
PARLAK KHALİLY M., ÖZÇUBUKÇU S., Baytekin B.
11. International Drug Chemistry Congress, Antalya, Turkey, 9 - 12 March 2023

II. **The Design and Synthesis of A Photo-Controlled, Peptide-Based Potential Drug Carrier**
PARLAK KHALİLY M., ÖZÇUBUKÇU S.
Dutch Peptide Symposium, Maastricht, Netherlands, 05 June 2018

III. **SmacN7-Oktaarjinin Peptit Konjugatlarinin Yapisal Düzenlenmesi ve Bunun Hücresel Alinima Ve Sitotoksisiteye Etkileri**
PARLAK M., Gerekçi S., Güleç E., ÖZEN C., ÖZÇUBUKÇU S.
29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017

IV. **Cellular Uptake and Cytotoxicity of Engineered SmacN7-Octaarginine Peptide Conjugates**
PARLAK M., Gerekçi S., Güleç E., ÖZEN C., ÖZÇUBUKÇU S.
25. American Peptide Symposium, Whistler, Canada, 17 - 22 June 2017

V. **Lactobacillus Plantarum Catalyzed Regioselective Conjugate Addition of Water to Nitrostyrene**
PARLAK KHALİLY M., Demır A. S.
44th World Chemistry Congress, İstanbul, Turkey, 11 August 2013

Supported Projects

Parlak Khalily M., Özçubukçu S., Şeker U. Ö. Ş., TUBITAK Project, Kanabidiol-Yüklü Peptit Hidrojellerinin Hazırlanması ve Potansiyel Yara Örtü Malzemesi Olarak Etkinliğinin Değerlendirilmesi, 2021 - 2023
Parlak Khalily M., Özçubukçu S., Demir A. S., Project Supported by Higher Education Institutions, Hidrataz enzimlerinin katalizörlüğünde suyun enansiyoseçici olarak α,β- doymamış nitro bileşiklerine katılması, 2011 - 2013
Parlak Khalily M., Demir A. S., Project Supported by Higher Education Institutions, Karboksilik asitlerden Üçüncül Hidroksifosfonatların Açilfosfonatlar Üzerinden Sentezlenmesi için Yeni Yöntem Geliştirilmesi, 2010 - 2011

Scientific Refereeing

TURKISH JOURNAL OF CHEMISTRY, National Scientific Refreed Journal, May 2021
TURKISH JOURNAL OF CHEMISTRY, National Scientific Refreed Journal, April 2019
TURKISH JOURNAL OF CHEMISTRY, National Scientific Refreed Journal, January 2019
TURKISH JOURNAL OF CHEMISTRY, National Scientific Refreed Journal, December 2018

Metrics

Publication: 18
Citation (WoS): 27
Citation (Scopus): 49
H-Index (WoS): 3
H-Index (Scopus): 5

Scholarships

2211 - Yurt İçi Lisansüstü Burs Programı, TUBITAK, 2011 - 2016

Non Academic Experience

Radboud University
orta doğu teknik üniversitesi
Radboud University