



**DR. ÖĞR. MEHMET ÇİMENTEPE  
ÜYESİ**

**Kişisel Bilgiler**

**Eposta:** mehmet.cimentepe@harran.edu.tr

**Birimi :** Farmasötik Mikrobiyoloji

**Dahili :**

**Makaleler (YOKSIS)**

- 1 “One stone, two birds” strategy: quercetin-boronate-loaded pHEMA cryogel membranes for targeted action against methicillin-resistant Staphylococcus aureus and multidrug-resistant Escherichia coli with molecular docking insights**  
YILDIRIM METİN,ÇİMENTEPE MEHMET,Yarıllar Şeyma Gülnaz,KILIÇ AHMET  
Colloid and Polymer Science,<https://doi.org/10.1007/s00396-025-05484-7>
- 2 A breakthrough in infection control: niaouli oil–chitosan hydrogels for enhanced wound healing**  
YILDIRIM METİN,DOĞAN KEMAL,YİĞİN AKIN,ÇİMENTEPE MEHMET,NECİP ADEM,Amangeldinova Madina,Dellal Özden  
Polymer Bulletin,<https://doi.org/10.1007/s00289-025-05823-2>
- 3 Advancing drug delivery and antimicrobial activity: Development and molecular docking analysis of quercetin-loaded pHEMA cryogel membranes**  
YILDIRIM METİN,ÇİMENTEPE MEHMET,DOĞAN KEMAL,NECİP ADEM,KARAKOÇ VEYİS  
Journal of Molecular Structure,<http://dx.doi.org/10.1016/j.molstruc.2024.139271>
- 4 Antioxidant, anti-acetylcholinesterase, antimicrobial, and anticancer activities of Morin–Cu(II) hybrid Nanoflowers**  
YILDIRIM METİN,SOMTÜRK YILMAZ BURCU,ÇİMENTEPE MEHMET,NECİP ADEM,Dellal Özden  
Polyhedron,<https://doi.org/10.1016/j.poly.2025.117917>
- 5 Bioactive potential of Origanum munzurense Kit Tan & Sorger Extracts: Antioxidant, anticancer, and antibacterial activities explored through Sc-CO2 extraction and molecular docking analysis**  
YILDIRIM METİN,NECİP ADEM,ÇİMENTEPE MEHMET,EMİRE ZUHAL,YABALAK ERDAL  
Journal of Chromatography B,<https://doi.org/10.1016/j.jchromb.2025.124614>
- 6 BK Virus Infections and Hemorrhagic Cystitis in Allogeneic Hematopoietic Stem Cell Transplant Recipients**  
SÖKMEN HURİ, ÖZTÜRK GÖKHAN, ÇİMENTEPE MEHMET, ÖZEN SERAP, ALLANTAKE HASAN ALAA WAHAB, BAYRAM İBRAHİM, YARKIN FÜGEN  
NEW MICROBIOLOGICA,[newmicrobiologica.org](http://newmicrobiologica.org)

- 7 **Boron-ellagic acid hybrids as a molecular arrow: multi-targeted inhibition of AChE, anticancer activity, and antimicrobial action against MRSA and MDR E. coli, supported by docking analyses**  
YILDIRIM METİN, Yasar Eyyüp, NECİP ADEM, ÇİMENTEPE MEHMET, ÖZTÜRK GÖKHAN, KILIÇ AHMET  
Journal of Molecular Liquids, <https://doi.org/10.1016/j.molliq.2025.128953>
- 8 **Design, synthesis, and biological evaluation of novel vanillin-derived hydrazone compounds with antimicrobial, anticancer, and enzyme inhibition activities, along with molecular structure and drug-likeness assessment**  
YILDIRIM METİN, ÜNVER HAKAN, NECİP ADEM, ÇİMENTEPE MEHMET  
Biochemical and Biophysical Research Communications, <https://doi.org/10.1016/j.bbrc.2025.152173>
- 9 **Effect of Ferula elaeochytris root extract on smooth muscle contraction of vas deferens gland in rat**  
ÖZTÜRK ÇİMENTEPE ÖZGE, GÖÇMEN CEMİL, ESER NADİRE, BÜYÜKNACAR HACER SİNEM, ÇİMENTEPE MEHMET  
Tropical Journal of Pharmaceutical Research, <http://www.tjpr.org>
- 10 **Effect of Ferula Elaeochytris Root Extract on Smooth Muscle Contraction of Prostate Gland in Rat**  
ÖZTÜRK ÇİMENTEPE ÖZGE, GÖÇMEN CEMİL, ESER NADİRE, BÜYÜKNACAR HACER SİNEM, ÇİMENTEPE MEHMET  
AGRICULTURAL SCIENCE DIGEST, <https://arccjournals.com/journal/agricultural-science-digest/D-354>
- 11 **Facile synthesis and spectral analysis of the bioactive spiroborate compounds as a novel therapeutic agent for computational insights, biological evaluation, and applications**  
YILDIRIM METİN, Yasar Eyyüp, NECİP ADEM, ÇİMENTEPE MEHMET, DEMİRBAĞ BURCU, KILIÇ AHMET  
Journal of Organometallic Chemistry, <https://doi.org/10.1016/j.jorganchem.2025.123510>
- 12 **Fig seed oil-enriched Chitosan hydrogels: in vitro antibacterial activity against carbapenem-resistant Acinetobacter baumannii and in vivo wound healing evaluation**  
YILDIRIM METİN, DOĞAN KEMAL, YİĞİN AKIN, ÇİMENTEPE MEHMET, ÖZTÜRK ÇİMENTEPE ÖZGE, Amangeldinova Madina  
Polymer Bulletin, <https://doi.org/10.1007/s00289-025-06194-4>
- 13 **Green Extraction Strategies and Bioactivity of Rheum cordatum Losinsk: Antioxidant, Antimicrobial, and Molecular Docking Insights**  
Amangeldinova Madina, ERŞATIR MEHMET, NECİP ADEM, ÇİMENTEPE MEHMET, Kudrina Nataliya, Terlets kaya Nina, ÖZTÜRK ÇİMENTEPE ÖZGE, ÇAKIR OĞUZ, YILMAZ MUSTAFA ABDULLAH, YILDIRIM METİN  
Plants, <https://doi.org/10.3390/plants14071071>
- 14 **Green Fabrication of Copper and Zinc Nanoflowers Using Rheum tataricum L. and Evaluation of their Antioxidant, Enzyme-Inhibitory, Antimicrobial, and Anticancer Properties**  
YILDIRIM METİN, SOMTÜRK YILMAZ BURCU, ÇİMENTEPE MEHMET, NECİP ADEM, Dellal Özden  
Cell Biochemistry and Biophysics, <https://doi.org/10.1007/s12013-025-01967-0>
- 15 **Human Papillomavirus Genotiplerinin Pyrosequencing Metodu ile Tespiti**  
ÖZEN SERAP, ÇİMENTEPE MEHMET, ŞEFLEK BUKET, VARDAR MEHMET ALİ, GÜMÜRDÜLÜ DERYA, YARKIN FÜGEN  
Türk Jinekolojik Onkoloji Dergisi, <https://dergipark.org.tr/tr/pub/trsgo>

- 16 **Innovative Nanoformulation Strategies of Hesperetin and Hesperidin: Pioneering Advances in Pharmaceutical Applications (A Review)**  
POYRAZ SAMET,ÇİMENTEPE MEHMET,ÖZTÜRK ÇİMENTEPE ÖZGE,YILDIRIM METİN  
Russian Journal of Bioorganic Chemistry,<https://doi.org/10.1134/s1068162024060025>
- 17 **Investigation of the Relationship between Colistin Resistance and Capsule Serotypes in Carbapenem Resistant *Klebsiella pneumoniae* Strains**  
BAYKARA BAŞAK, ÇİMENTEPE MEHMET, KANDEMİR TÜLAY, KÖKSAL FATİH  
New Microbiologica,[https://www.newmicrobiologica.org/PUB/allegati\\_pdf/2022/2/124.pdf](https://www.newmicrobiologica.org/PUB/allegati_pdf/2022/2/124.pdf)
- 18 **Monitoring of cytomegalovirus, Epstein-Barr virus and adenovirus infections in hematopoietic stem cell transplant recipients**  
ŞEFLEK BUKET, GÜMÜŞ HATİCE HALE, ÇİMENTEPE MEHMET, KÜPELİ SERHAN, YARKIN FÜGEN  
Cukurova Medical Journal,<http://dx.doi.org/10.17826/cumj.1239938>
- 19 **Multifunctional benzimidazolium derivatives as anticancer, antibacterial, and acetylcholinesterase inhibitors: In vitro and molecular docking studies**  
YILDIRIM METİN,ÜNVER HAKAN,NECİP ADEM,ÇİMENTEPE MEHMET,ERŞATIR MEHMET  
Archives of Biochemistry and Biophysics,<https://doi.org/10.1016/j.abb.2025.110630>
- 20 **Multifunctional Bioactivities of Ellagic Acid-Based Hybrid Cu, Zn, and Co Microflowers: Antioxidant, Anti-AChE, Anticancer, and Antibacterial Effects**  
YILDIRIM METİN,SOMTÜRK YILMAZ BURCU,ÇİMENTEPE MEHMET,NECİP ADEM,ÖZTÜRK GÖKHAN  
Journal of Cluster Science,<https://doi.org/10.1007/s10876-025-02955-3>
- 21 **Naringenin-loaded pHEMA cryogel membrane: preparation, characterization, antibacterial activity and in silico studies**  
YILDIRIM METİN,DOĞAN KEMAL,NECİP ADEM,ÇİMENTEPE MEHMET  
Chemical Papers,<https://doi.org/10.1007/s11696-024-03774-y>
- 22 **Next-generation antibacterial cryogels: Berberine-infused smart membranes with molecular docking-guided targeting of MRSA and MDR *E. coli***  
YILDIRIM METİN,ÇİMENTEPE MEHMET,DOĞAN KEMAL,NECİP ADEM,Amangeldinova Madina  
Biophysical Chemistry,<https://doi.org/10.1016/j.bpc.2025.107481>
- 23 **Novel benzimidazole based cobalt complex: synthesis, AChE enzyme inhibition, antibacterial and antibiofilm activity against multidrug-resistant bacteria, and computational analysis**  
ÇİMENTEPE MEHMET,ÜNVER HAKAN,NECİP ADEM,YILDIRIM METİN  
Polyhedron,<https://doi.org/10.1016/j.poly.2025.117861>
- 24 **Novel vanillin-derived Schiff Bases: Synthesis, characterization, antibacterial activity, enzyme inhibition, antioxidant activity, anti-inflammatory activity on LPS-induced RAW264.7 macrophage cell line, and In Silico studies**  
DEMİRBAĞ BURCU,YILDIRIM METİN,ÇİMENTEPE MEHMET,NECİP ADEM,ÜNVER HAKAN,TİFTİK EYÜP NACİ  
Journal of Molecular Structure,<https://doi.org/10.1016/j.molstruc.2025.142320>
- 25 **Pomegranate hydrochar and tamanu oil-enriched chitosan-PF127 hydrogel: antimicrobial efficacy against multidrug-resistant bacteria**  
YILDIRIM METİN,YABALAK ERDAL,DOĞAN KEMAL,ÇİMENTEPE MEHMET,ÖZTÜRK GÖKHAN

- 25 Polymer Bulletin,<https://doi.org/10.1007/s00289-025-06255-8>
- 26 **Salicylaldehyde-derived Hydrazones: Synthesis, characterization, antibacterial activity, antioxidant and anti-inflammatory effects on LPS-induced RAW264.7 macrophage cells, drug-likeness properties, and molecular docking analysis**  
DEMİRBAĞ BURCU, YILDIRIM METİN, ÇİMENTEPE MEHMET, NECİP ADEM, ÜNVER HAKAN, TİFTİK EYÜP NACİ  
Biochemical and Biophysical Research Communications,<https://doi.org/10.1016/j.bbrc.2025.151872>
- 27 **Sideritis brevidens P.H. Davis türünün yeşil sentez yöntemi ile ekstraksiyonu: çoklu ilaç direnci gösteren bakterilere karşı antimikrobiyal ve antibiyofilm aktivitelerinin belirlenmesi**  
ÇİMENTEPE MEHMET, ÖZTÜRK ÇİMENTEPE ÖZGE  
Mersin Üniversitesi Sağlık Bilimleri Dergisi,<https://dergipark.org.tr/tr/pub/mersinsbd/article/1795317>
- 28 **Simultaneous quantitative screening of 53 phytochemicals from Rheum tataricum L. roots: a comparative study of supercritical CO<sub>2</sub>, subcritical ethanol, and ultrasound-assisted extraction for enhanced antioxidant, antibacterial activities, and molecular docking study**  
Amangeldinova Madina, ERŞATIR MEHMET, NECİP ADEM, YILMAZ MUSTAFA ABDULLAH, ÇİMENTEPE MEHMET, Kudrina Nataliya, Terlets kaya Nina V., ÖZTÜRK ÇİMENTEPE ÖZGE, YILDIRIM METİN  
Frontiers in Plant Science,<https://doi.org/10.3389/fpls.2024.1513875>
- 29 **Synthesis of bioactive quercetin-boronate esters as a novel biological agent: Enzyme inhibition, anti-microbial properties, computational insights and anti-cancer activity**  
YILDIRIM METİN, KILIÇ AHMET, ÇİMENTEPE MEHMET, NECİP ADEM, TÜREDİ SİBEL  
Journal of Molecular Structure,<https://doi.org/10.1016/j.molstruc.2024.140216>
- 30 **Synthesis, Characterization, and Biological Evaluation of Quercetin-Boronate@Cu-hNFs and Quercetin-Boronate@Zn-hNFs: AChE Inhibition, Antioxidant, Anticancer, Antibacterial, Antibiofilm Activity Against Multidrug-Resistant Bacteria and Molecular Docking Studies**  
YILDIRIM METİN, SOMTÜRK YILMAZ BURCU, ÇİMENTEPE MEHMET, NECİP ADEM, KILIÇ AHMET  
Journal of Inorganic and Organometallic Polymers and Materials,<https://doi.org/10.1007/s10904-025-04032-8>
- 31 **Tea Tree Oil Loaded Chitosan Hydrogels for Enhanced Wound Healing and Antimicrobial Activity**  
YILDIRIM METİN, DOĞAN KEMAL, YİĞİN AKIN, ÇİMENTEPE MEHMET, NECİP ADEM, Amangeldinova Madina, ÖZTÜRK ÇİMENTEPE ÖZGE  
ChemistrySelect,<https://doi.org/10.1002/slct.202500304>
- 32 **THE INVESTIGATION OF MICRORNAs AS POTENTIAL BIOMARKERS IN SERUM AND TISSUE FOR HEPATITIS B VIRUS RELATED HEPATOCELLULAR CARCINOMA**  
ÇİMENTEPE MEHMET, ÖZTÜRK GÖKHAN, BALLI HÜSEYİN TUĞSAN, KÖMÜR SÜHEYLA, DORAN FİGEN, BİNOKAY HÜLYA, YARKIN FÜGEN  
ACTA MEDICA MEDITERRANEA,<https://www.actamedicamediterranea.com/archive/2021/medica-2/the-investigation-of-micrnas-as-potential-biomarkers-in-serum-and-tissuefor-hepatitis-b-virus-related-hepatocellular-carcinoma>
- 33 **The Investigation of Chlamydia trachomatis and Ureaplasma urealyticum Coinfections in HPV Positive and HPV Negative Women**  
ÇİMENTEPE MEHMET, BAŞARI FESEM, ÖZEN SERAP, MERAL ÖCAL MELDA, ÖZTÜRK GÖKHAN, VARDAR MEHMET ALİ, YARKIN FÜGEN  
Flora the Journal of Infectious Diseases and Clinical Microbiology,<https://doi.org/10.5578/flora.67972>
- 34 **The Prevalence of Human Papillomavirus Genotypes in Women with Abnormal Cervical Cytology**

- 34 ÖZEN SERAP, ÇİMENTEPE MEHMET, VARDAR MEHMET ALİ, GÜMÜRDÜLÜ DERYA, YARKIN FÜGEN  
Flora the Journal of Infectious Diseases and Clinical Microbiology, <https://doi.org/10.5578/flora.67358>
- 35 **Thymoquinone-Loaded pHEMA Cryogel Membranes for Superior Control of Staphylococcus aureus Infections**  
YILDIRIM METİN, ÇİMENTEPE MEHMET, DOĞAN KEMAL, NECİP ADEM, AMANGELDİNOVA MADİNA  
Russian Journal of General Chemistry, <https://doi.org/10.1134/s1070363224110318>
- 36 **Unveiling the Multifaceted Bioactivities of Benzimidazolium Salts: Synthesis, Characterization, and Computational Insights Into AChE Inhibition and Antimicrobial Action Against Multidrug Resistance Bacteria MRSA and MDR E. coli**  
YILDIRIM METİN, ÜNVER HAKAN, NECİP ADEM, ÇİMENTEPE MEHMET, ERŞATIR MEHMET  
ChemistrySelect, <https://doi.org/10.1002/slct.202503714>

## Bildiriler (YOKSIS)

- 1 **Akut solunum yolu enfeksiyonu olan çocuklarda RSV ve hMPV insidansı**  
Özdoğru Sağdıç Deniz, ÖZTÜRK GÖKHAN, ÖZGÜR GÜNDEŞLİOĞLU ÖZLEM, ÇİMENTEPE MEHMET, YILDIZDAŞ RIZA DİNÇER, KÖKSAL FATİH, YARKIN FÜGEN  
2nd International Mediterranean Science and Engineering Congress , 2nd International Mediterranean Science and Engineering Congress
- 2 **Anormal Servikal Sitolojili Kadınlarda Human Papillomavirus Genotiplerinin Prevelansı**  
ÖZEN SERAP, ÇİMENTEPE MEHMET, VARDAR MEHMET ALİ, GÜMÜRDÜLÜ DERYA, YARKIN FÜGEN  
2nd International Mediterranean Science and Engineering Congress , 2nd International Mediterranean Science and Engineering Congress
- 3 **Çocuklarda viral solunum yolu enfeksiyonlarının multipleks real-time polymerase chain reaction (PCR) ve direkt immunfloresan test ile araştırılması**  
Özdoğru Sağdıç Deniz, YILDIZDAŞ RIZA DİNÇER, ŞEFLEK BUKET, ALABAZ DERYA, ÇİMENTEPE MEHMET, KÖKSAL FATİH, YARKIN FÜGEN  
1. Ulusal Viroloji Günleri ve Kursu , 1. Ulusal Viroloji Günleri ve Kursu
- 4 **ÇUKUROVA BÖLGESİNDE VİRAL MERKEZİ SİNİR SİSTEMİ ENFEKSİYONLARININ İNSİDANSI**  
SÖKMEN Huri, ALANTAKE Hasan Alaa Wahhab, ÇİMENTEPE MEHMET, ÖZGÜR GÜNDEŞLİOĞLU ÖZLEM, YARKIN FÜGEN  
ÇUKUROVA 11th INTERNATIONAL SCIENTIFIC RESEARCHES CONFERENCE ,  
[https://www.iksadkongre.net/\\_files/ugd/262ebf\\_2a81826b592a481382d4c68725210090.pdf](https://www.iksadkongre.net/_files/ugd/262ebf_2a81826b592a481382d4c68725210090.pdf)
- 5 **Hepatit B Virus İlaç Direnci Mutasyonlarının Pyrosequencing Metodu ile Tespiti**  
ÇİMENTEPE MEHMET, Yıldırım Deniz, KÖMÜR SÜHEYLA, Özdoğru Sağdıç Deniz, YARKIN FÜGEN, ŞEFLEK BUKET  
1. Ulusal Viroloji Günleri ve Kursu , 1. Ulusal Viroloji Günleri ve Kursu
- 6 **HPV Pozitif ve HPV Negatif Kadınlarda Chlamydia trachomatis ve Ureaplasma urealyticum Enfeksiyonlarının Araştırılması**  
ÇİMENTEPE MEHMET, Başarı Fesem, ÖZEN SERAP, MERAL ÖCAL MELDA, ÖZTÜRK GÖKHAN, VARDAR MEHMET ALİ, YARKIN FÜGEN  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017) , 2nd International Mediterranean Science and Engineering Congress (IMSEC 2017)

