

# Prof. ÖZLEM ARPACI

## Personal Information

Office Phone: [+90 312 203 3076](tel:+903122033076)

Fax Phone: [+90 312 213 1081](tel:+903122131081)

Web: <https://avesis.ankara.edu.tr/temiz>

## International Researcher IDs

ORCID: 0000-0001-6221-5347

Publons / Web Of Science ResearcherID: AAH-1281-2020

ScopusID: 6602689055

Yoksis Researcher ID: 6121

## Education Information

Doctorate, Ankara University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya (Dr), Turkey 1992 - 1998

Postgraduate, Ankara University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya (YI) (Tezli), Turkey 1989 - 1991

Undergraduate, Ankara University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 1985 - 1989

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, 582-furilkarboksamido)-5(2-tiyenilkarboksamido)-5(benzamido ve 5-fenilasetamido 2-fenilbenzoksazol türevlerinin sentezi, yapılarının aydınlatılması, antimikrobiyal etkileri ve kantitatif yapı-etki ilişkileri analizleri, Ankara University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya (Dr), 1998

Postgraduate, 5-metil-2- (p-süstitüebenzil) benzoksazol türevlerinin sentez, yapı aydınlatması ve mikrobiyolojik etkileri, Ankara University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya (YI) (Tezli), 1991

## Research Areas

Health Sciences

## Academic Titles / Tasks

Professor, Ankara University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2009 - Continues

Associate Professor, Ankara University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2003 - 2009

Assistant Professor, Ankara University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2000 - 2003

Research Assistant, Ankara University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1990 - 2000

## Courses

FARMASÖTİK KİMYA I, Undergraduate, 2013 - 2014, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009  
uv, Postgraduate, 2013 - 2014, 2012 - 2013  
peptidler ve fizikokimyasal özellikleri, Postgraduate, 2013 - 2014  
FARMASÖTİK VE MEDİSİNAL KİMYADA İLERİ KONULAR, Postgraduate, 2013 - 2014  
medisinal kimya yönü ile biyoteknoloji, Postgraduate, 2013 - 2014  
FARMAKOPE ANALİZLERİ, Postgraduate, 2013 - 2014  
ORTAM OPTİMİZASYONU, Doctorate, 2013 - 2014  
heterosiklik bileşikler, Postgraduate, 2013 - 2014  
nükleozit analogu bileşikler, Postgraduate, 2013 - 2014  
ORGANİK KİMYA II, Undergraduate, 2012 - 2013  
FARMASÖTİK KİMYA, Undergraduate, 2012 - 2013  
medisinal kimyada ileri konular, Doctorate, 2012 - 2013  
kimyasal adlandırma, Postgraduate, 2012 - 2013  
IR, Postgraduate, 2012 - 2013  
kalitatif kantitatif ilaç analizleri, Postgraduate, 2012 - 2013  
ileri organik kimyada reaksiyon mekanizmaları, Doctorate, 2012 - 2013  
ORGANİK KİMYA 1, Undergraduate, 2011 - 2012  
ORGANİK KİMYA I-II, Undergraduate, 2010 - 2011  
FARMASÖTİK KİMYA IV, Undergraduate, 2009 - 2010, 2008 - 2009

## Advising Theses

ARPACI Ö., Bazı yeni heterosiklik bileşiklerin sentez, yapı aydınlatmaları ve antimikrobiyal etki çalışmaları, Doctorate, M.EROL(Student), 2018  
ARPACI Ö., Yeni 2,5-disübtübenzoksazol türevlerinin sentezi, yapılarının aydınlatılması, antimikrobiyal etkileri ve moleküler modelleme çalışmaları, Doctorate, M.ARISOY(Student), 2013  
ARPACI Ö., Yeni 2-(p-Sübtübenzil)-5-(2-Sübtüasetamido)benzoksazol türevlerinin sentezi, yapılarının aydınlatılması, mikrobiyolojik etkileri ve kantitatif yapı-etki ilişkileri çalışmaları, Postgraduate, M.ARISOY(Student), 2007

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Benzimidazole and Benzoxazole Derivatives Against Alzheimer's Disease**  
Faydali N., ARPACI Ö.  
CHEMISTRY & BIODIVERSITY, vol.21, no.6, 2024 (SCI-Expanded)
- II. **Evaluation of Mutagenic Activities of Antimicrobial Benzoxazole Derivatives**  
Aydoğan Z., Foto F. Z., FOTO E., ARPACI Ö., DİRİL N.  
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.56, pp.1192-1198, 2022 (SCI-Expanded)
- III. **Evaluation of Activity of Some 2,5-Disubstituted Benzoxazole Derivatives against Acetylcholinesterase, Butyrylcholinesterase and Tyrosinase: ADME Prediction, DFT and Comparative Molecular Docking Studies**  
ÇELİK İ., EROL M., ARPACI Ö., Senol F., ERDOĞAN ORHAN İ.  
POLYCYCLIC AROMATIC COMPOUNDS, vol.42, no.2, pp.412-423, 2022 (SCI-Expanded)
- IV. **Synthesis, quantum mechanical calculations, antimicrobial activities and molecular docking studies of five novel 2,5-disubstituted benzoxazole derivatives**  
Temiz-Arpaci Ö., Zeyrek C. T., Arisoy M., EROL M., Celik I., KAYNAK ONURDAĞ F.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1245, 2021 (SCI-Expanded)
- V. **Synthesis, antimicrobial activity, density functional modelling and molecular docking with COVID-19 main protease studies of benzoxazole derivative: 2-(p-chloro-benzyl)-5-[3-(4-ethyl-1-piperazynl) propionamido]-benzoxazole**

Zeyrek C. T., ARPACI Ö., Arisoy M., KAYNAK ONURDAĞ F.

JOURNAL OF MOLECULAR STRUCTURE, vol.1237, 2021 (SCI-Expanded)

- VI. **DFT, docking, MD simulation, and vibrational spectra with SERS analysis of a benzoxazole derivative: an anti-cancerous drug**  
Sheena Mary Y., Shyma Mary Y., Temiz-Arpaci Ö., Yadav R., ÇELİK İ.  
CHEMICAL PAPERS, vol.75, no.8, pp.4269-4284, 2021 (SCI-Expanded)
- VII. **Design, synthesis, molecular docking, density functional theory and antimicrobial studies of some novel benzoxazole derivatives as structural bioisosteres of nucleotides**  
EROL M., ÇELİK İ., Temiz-Arpaci Ö., KAYNAK ONURDAĞ F., ÖKTEN S.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.39, no.9, pp.3080-3091, 2021 (SCI-Expanded)
- VIII. **1H-Benzimidazole-5-carboxamide derivatives: design, synthesis, molecular docking, DFT and antimicrobial studies**  
EROL M., ÇELİK İ., Temiz-Arpaci Ö., GÖKER A. H., KAYNAK ONURDAĞ F., ÖKTEN S.  
NEW JOURNAL OF CHEMISTRY, vol.44, no.48, pp.21309-21317, 2020 (SCI-Expanded)
- IX. **Synthesis, molecular docking and ADME prediction of some new benzimidazole carboxamides derivatives as antimicrobial agents**  
EROL M., ÇELİK İ., Temiz-Arpaci Ö., GÖKER A. H., Kaynak-Onurdag F., Okten S.  
MEDICINAL CHEMISTRY RESEARCH, vol.29, no.11, pp.2028-2038, 2020 (SCI-Expanded)
- X. **Spectroscopic Properties and Theoretical Studies of 5-Ethylsulphonyl-2-Phenyl-Benzoxazol: Relation Between the Frontier Molecular Orbitals and Optical Properties**  
Zeyrek C. T., Unver H., ARPACI Ö., BOYACIOĞLU B., Elmali A.  
JOURNAL OF STRUCTURAL CHEMISTRY, vol.60, no.2, pp.241-254, 2019 (SCI-Expanded)
- XI. **Spectroscopic, antimicrobial and computational study of novel benzoxazole derivative**  
Beegum S., Mary S. Y., Panicker Y., Armakovic S., Armakovic S. J., Arisoy M., ARPACI Ö., Van Alsenoy C.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1176, pp.881-894, 2019 (SCI-Expanded)
- XII. **Synthesis and antimicrobial evaluation of novel 5-substituted-2-(p-tert-butylphenyl)benzoxazoles**  
Tasci M., Temiz-Arpaci Ö., KAYNAK ONURDAĞ F., ÖKTEN S.  
INDIAN JOURNAL OF CHEMISTRY SECTION B-ORGANIC CHEMISTRY INCLUDING MEDICINAL CHEMISTRY, vol.57, no.3, pp.385-389, 2018 (SCI-Expanded)
- XIII. **Vibrational spectroscopic investigations and molecular docking studies of biologically active 2-[4-(4-phenylbutanamido)phenyl]-5-ethylsulphonyl-benzoxazole**  
Jalaja K., Al-Alshaikh M. A., Mary Y. S., Panicker C. Y., El-Emarn A. A., ARPACI Ö., Van Alsenoy C.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1148, pp.119-133, 2017 (SCI-Expanded)
- XIV. **Spectroscopic, quantum mechanical and molecular docking studies of a new benzoxazole compound with an oxidoreductase enzyme and DNA**  
Zeyrek C. T., BOYACIOĞLU B., ARPACI Ö., ÜNVER H., ELMALI A.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1136, pp.112-126, 2017 (SCI-Expanded)
- XV. **Synthesis, vibrational spectroscopic investigations, molecular docking, antibacterial studies and molecular dynamics study of 5-[(4-nitrophenyl)acetamido]-2-(4-tert-butylphenyl)benzoxazole**  
Mary Y. S., Al-Shehri M. M., Jalaja K., Al-Omary F. A. M., El-Emam A. A., Panicker C. Y., Armakovic S., Armakovic S. J., ARPACI Ö., Van Alsenoy C.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1133, pp.557-573, 2017 (SCI-Expanded)
- XVI. **Reactive, spectroscopic and antimicrobial assessments of 5-[(4-methylphenyl) acetamido]-2-(4-tert-butylphenyl)benzoxazole: Combined experimental and computational study**  
Mary Y. S., Alzoman N. Z., Menon V. V., Al-Abdullah E. S., El-Emam A. A., Panicker C. Y., ARPACI Ö., Armakovic S., Armakovic S. J., Van Alsenoy C.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1128, pp.694-706, 2017 (SCI-Expanded)
- XVII. **Biological evaluation and docking studies of some benzoxazole derivatives as inhibitors of acetylcholinesterase and butyrylcholinesterase**  
ARPACI Ö., Arisoy M., Sac D., DOĞANÇ F., Tasci M., ŞENOL DENİZ F. S., ERDOĞAN ORHAN İ.  
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.71, no.11-12, pp.409-413,

2016 (SCI-Expanded)

- XVIII. **Synthesis, vibrational spectroscopic investigations, molecular docking, antibacterial and antimicrobial studies of 5-ethylsulphonyl-2-(p-aminophenyl)benzoxazole**  
Parveen S. S., Al-Alshaikh M. A., Panicker C. Y., El-Emam A. A., Arisoy M., ARPACI Ö., Van Alsenoy C.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1115, pp.94-104, 2016 (SCI-Expanded)
- XIX. **SYNTHESIS AND ANTIMICROBIAL EVALUATION OF SOME NOVEL SULFONYLAMIDO-BENZOXAZOLES**  
ARPACI Ö., Doganc F., Sac D., Sari E., KAYNAK ONURDAĞ F., ÖKTEN S.  
ACTA BIOLOGICA HUNGARICA, vol.67, no.1, pp.75-84, 2016 (SCI-Expanded)
- XX. **Synthesis of some piperazinobenzoxazole derivatives and their antimicrobial properties**  
Arisoy M., ARPACI Ö., KAYNAK ONURDAĞ F., Ozgen S.  
INDIAN JOURNAL OF CHEMISTRY SECTION B-ORGANIC CHEMISTRY INCLUDING MEDICINAL CHEMISTRY, vol.55, no.2, pp.240-247, 2016 (SCI-Expanded)
- XXI. **Experimental and theoretical characterization of the 2-(4-bromobenzyl)-5-ethylsulphonyl-1,3-benzoxazole**  
Zeyrek C. T., ÜNVER H., ARPACI Ö., POLAT K., OCAK İSKELELİ N., YILDIZ M.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1081, pp.22-37, 2015 (SCI-Expanded)
- XXII. **Synthesis and Antimicrobial Evaluation of 2-(p-Substituted Phenyl)-5-[(4-substituted piperazin-1-yl)acetamido]-benzoxazoles**  
Arisoy M., ARPACI Ö., KAYNAK ONURDAĞ F., Ozgen S.  
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.69, no.9-10, pp.368-374, 2014 (SCI-Expanded)
- XXIII. **Synthesis, FT-IR investigation and computational study of 5-[(4-Bromophenyl)acetamido]-2-(4-tert-butylphenyl) benzoxazole**  
Bhagyasree J. B., Samuel J., Varghese H. T., Panicker C. Y., Arisoy M., ARPACI Ö.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.115, pp.79-91, 2013 (SCI-Expanded)
- XXIV. **Novel Benzoxazoles: Synthesis and Antibacterial, Antifungal, and Antitubercular Activity against Antibiotic-Resistant and -Sensitive Microbes**  
Arisoy M., ARPACI Ö., Kaynak-Onurdag F., Ozgen S.  
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.68, no.11-12, pp.453-460, 2013 (SCI-Expanded)
- XXV. **SYNTHESIS AND DIFFERENT BIOLOGICAL ACTIVITIES OF NOVEL BENZOXAZOLES**  
ARPACI Ö., Goztepe B. E. C., Kaynak-Onurdag F., Ozgen S., ŞENOL DENİZ F. S., ERDOĞAN ORHAN İ.  
ACTA BIOLOGICA HUNGARICA, vol.64, no.2, pp.249-261, 2013 (SCI-Expanded)
- XXVI. **FT-IR, FT-Raman, SERS and computational study of 5-ethylsulphonyl-2-(o-chlorobenzyl)benzoxazole**  
Mary Y. S., Raju K., YILDIZ İ., ARPACI Ö., Nogueira H. I. S., Granadeiro C. M., Van Alsenoy C.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.96, pp.617-625, 2012 (SCI-Expanded)
- XXVII. **Synthesis and Antimicrobial Activity of Novel Benzoxazoles**  
Arisoy M., ARPACI Ö., Kaynak-Onurdag F., Ozgen S.  
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.67, no.9-10, pp.466-472, 2012 (SCI-Expanded)
- XXVIII. **DNA-TOPOISOMERASE INHIBITORY ACTIVITY OF SOME HETEROCYCLIC COMPOUNDS AND THEIR STRUCTURE-ACTIVITY RELATIONSHIPS**  
Aki E., Yalcin I., YILDIZ İ., Temiz-Arpaci Ö., BOLELLİ K., ERTAN BOLELLİ T.  
MEDICINAL CHEMISTRY RESEARCH, vol.19, 2010 (SCI-Expanded)
- XXIX. **ANTIMICROBIAL ACTIVITY AND STRUCTURE-ACTIVITY RELATIONSHIPS OF SOME SYNTHESIZED BENZAZOLES AND THEIR POSSIBLE METABOLITES**  
Yalcin I., Aki E., YILDIZ İ., Temiz-Arpaci Ö.  
MEDICINAL CHEMISTRY RESEARCH, vol.19, 2010 (SCI-Expanded)
- XXX. **IR, Raman and SERS spectra of 2-phenoxyethylbenzothiazole**

Panicker C. Y., Varghese H. T., Raj A., Raju K., ERTAN BOLELLİ T., YILDIZ İ., ARPACI Ö., Granadeiro C. M., Nogueira H. I. S.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.74, no.1, pp.132-139, 2009 (SCI-Expanded)

- XXXI. **Synthesis, biological evaluation and 2D-QSAR analysis of benzoxazoles as antimicrobial agents**  
Ertan T., YILDIZ İ., Tekiner-Gulbas B., BOLELLİ K., ARPACI Ö., Ozkan S., Kaynak F., Yalcin I., Aki E.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.44, no.2, pp.501-510, 2009 (SCI-Expanded)
- XXXII. **Vibrational spectroscopic studies and ab initio calculations of 5-nitro-2-(p-fluorophenyl)benzoxazole**  
Mary Y. S., Varghese H. T., Panicker C. Y., Ertan T., YILDIZ İ., ARPACI Ö.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.71, no.2, pp.566-571, 2008 (SCI-Expanded)
- XXXIII. **Synthesis, antimicrobial activity, pharmacophore analysis of some new 2-(substitutedphenyl/benzyl)-5-[(2-benzofuryl)carboxamido]benzoxazoles**  
Alper-Hayta S., Arisoy M., ARPACI Ö., YILDIZ İ., Aki E., Ozkan S., Kaynak F.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.43, no.11, pp.2568-2578, 2008 (SCI-Expanded)
- XXXIV. **Synthesis and biological activity of some new benzoxazoles**  
ARPACI Ö., YILDIZ İ., Oezkan S., Kaynak F., Aki-Sener E., Yalcin I.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.43, no.7, pp.1423-1431, 2008 (SCI-Expanded)
- XXXV. **Vibrational spectroscopic studies and ab initio calculations of 5-methyl-2-(p-methylaminophenyl)benzoxazole**  
Ambujakshan K. R., Madhavan V. S., Varghese H. T., Panicker C. Y., ARPACI Ö., Tekiner-Gulbas B., YILDIZ İ.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.69, no.3, pp.782-788, 2008 (SCI-Expanded)
- XXXVI. **Some benzoxazoles and benzimidazoles as DNA topoisomerase I and II inhibitors**  
Oksuzoglu E., Tekiner-Gulbas B., Alper S., ARPACI Ö., Ertan T., YILDIZ İ., DİRİL N., Sener-Aki E., Yalcin I.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.23, no.1, pp.37-42, 2008 (SCI-Expanded)
- XXXVII. **QSAR and pharmacophore analysis on amides against drug-resistant S. aureus**  
YILDIZ İ., Ertan T., BOLELLİ K., ARPACI Ö., Yalcin I., Aki E.  
SAR AND QSAR IN ENVIRONMENTAL RESEARCH, vol.19, no.1-2, pp.101-113, 2008 (SCI-Expanded)
- XXXVIII. **Synthesis, antimicrobial activity and QSAR studies of 2,5-disubstituted benzoxazoles**  
Arisoy M., ARPACI Ö., YILDIZ İ., Kaynak-Onurdag F., Aki E., Yalcin I., Abbasoglu U.  
SAR AND QSAR IN ENVIRONMENTAL RESEARCH, vol.19, no.5-6, pp.589-612, 2008 (SCI-Expanded)
- XXXIX. **Synthesis and in vitro antimicrobial activity of new 2-[p-substituted-benzyl]-5-[substituted-carbonylamino]benzoxazoles**  
Tekiner-Gulbas B., ARPACI Ö., YILDIZ İ., Altanlar N.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.42, no.10, pp.1293-1299, 2007 (SCI-Expanded)
- XL. **Synthesis and antimicrobial activity of some novel N-[2-substitutedbenzoxazol-5-yl]-2-[4-substituted- piperazin-1-yl]acetamides**  
Arisoy M., Temiz-Arpaci Ö., Kaynak-Onurdag F., YILDIZ İ., Aki-Sener E., Yalcin I., Abbasoglu U.  
DRUGS OF THE FUTURE, vol.32, pp.127-128, 2007 (SCI-Expanded)
- XLI. **Vibrational spectroscopic studies and ab initio calculations of 5-methyl-2-(p-fluorophenyl)benzoxazole**  
Anto P. L., Panicker C. Y., Varghese H. T., Philip D., ARPACI Ö., Tekiner-Gulbas B., YILDIZ İ.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.67, no.3-4, pp.744-749, 2007 (SCI-Expanded)
- XLII. **Molecular modelling studies on some eukaryotic topoisomerase II enzyme inhibitor fused heterocyclic compounds**  
YILDIZ İ., Alper S., Ertan T., Temiz-Arpaci Ö., Tekiner-Gulbas B., Aki-Sener E., Yalci I.  
DRUGS OF THE FUTURE, vol.32, pp.15-16, 2007 (SCI-Expanded)
- XLIII. **Synthesis and biological evaluation of new N-(2-hydroxy-4(or 5)-nitro/aminophenyl)benzamides**

**and phenylacetamides as antimicrobial agents**

Ertan T., YILDIZ İ., Ozkan S., ARPACI Ö., Kaynak F., Yalcin I., Aki-Sener E., Abbasoglu U.  
BIOORGANIC & MEDICINAL CHEMISTRY, vol.15, no.5, pp.2032-2044, 2007 (SCI-Expanded)

- XLIV. **A study on the genotoxic activities of some new benzoxazoles**  
Oksuzoglu E., ARPACI Ö., Tekiner-Gulbas B., Eroglu H., Sen G., Alper S., YILDIZ İ., DİRİL N., Aki-Sener E., Yalcin I.  
MEDICINAL CHEMISTRY RESEARCH, vol.16, no.1, pp.1-14, 2007 (SCI-Expanded)
- XLV. **QSAR of genotoxic active benzazoles**  
Tekiner-Gulbas B., ARPACI Ö., Oksuzoglu E., Eroglu H., YILDIZ İ., Diril N., Aki-Sener E., Yalcin I.  
SAR AND QSAR IN ENVIRONMENTAL RESEARCH, vol.18, no.3-4, pp.251-263, 2007 (SCI-Expanded)
- XLVI. **Synthesis, antimicrobial activity and QSARs of new benzoxazine-3-ones**  
Alper-Hayta S., Aki-Sener E., Tekiner-Gulbas B., YILDIZ İ., ARPACI Ö., Yalcin I., Altanlar N.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.41, no.12, pp.1398-1404, 2006 (SCI-Expanded)
- XLVII. **3D-QSAR study on heterocyclic topoisomerase II inhibitors using CoMSIA**  
Tekiner-Gulbas B., ARPACI Ö., YILDIZ İ., Aki-Sener E., Yalcin I.  
SAR AND QSAR IN ENVIRONMENTAL RESEARCH, vol.17, no.2, pp.121-132, 2006 (SCI-Expanded)
- XLVIII. **A study on the antioxidant activities of some new benzazole derivatives**  
ARPACI Ö., Coban T., Tekiner-Gulbas B., Can-Eke B., YILDIZ İ., Aki-Sener E., Yalcin I., Iscan M.  
ACTA BIOLOGICA HUNGARICA, vol.57, no.2, pp.201-209, 2006 (SCI-Expanded)
- XLIX. **3D-QSAR analysis on benzazole derivatives as eukaryotic topoisomerase II inhibitors by using comparative molecular field analysis method**  
ARPACI Ö., Tekiner-Gulbas B., YILDIZ İ., Aki-Sener E., Yalcin I.  
BIOORGANIC & MEDICINAL CHEMISTRY, vol.13, no.23, pp.6354-6359, 2005 (SCI-Expanded)
- L. **Induction of apoptosis and necrosis by resistance modifiers benzazoles and benzoxazines on tumour cell line mouse lymphoma L5718 mdr+cells**  
Varga A., Aki-Sener E., Yalcin I., ARPACI Ö., Tekiner-Gulbas B., Cherepnev G., Molnar J.  
IN VIVO, vol.19, no.6, pp.1087-1091, 2005 (SCI-Expanded)
- LI. **Quantitative structure-activity relationships using comparative molecular field analysis studies on 2-(p-substituted benzyl)-5-(substituted carbonylamino)benzoxazoles as antibacterial agents against Staphylococcus aureus**  
Yildiz-Oren İ., Tekiner-Gulbas B., ARPACI Ö., Yalcin I., Aki-Sener E.  
ASIAN JOURNAL OF CHEMISTRY, vol.16, no.3-4, pp.1359-1366, 2004 (SCI-Expanded)
- LII. **Synthesis and antimicrobial activity of new 2-[p-substituted-benzyl]-5-[substituted-carbonyl-amino]benzoxazoles**  
Yildiz-Oren İ., Tekiner-Gulbas B., Yalcin I., ARPACI Ö., Aki-Sener E., Altanlar N.  
ARCHIV DER PHARMAZIE, vol.337, no.7, pp.402-410, 2004 (SCI-Expanded)
- LIII. **A target site for template-based design of measles virus entry inhibitors**  
Plemper R., Erlandson K., Lakdawala A., Sun A., Prussia A., Boonsombat J., Aki-Sener E., Yalcin I., YILDIZ İ., ARPACI Ö., et al.  
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol.101, no.15, pp.5628-5633, 2004 (SCI-Expanded)
- LIV. **Some fused heterocyclic compounds as eukaryotic topoisomerase II inhibitors**  
Pinar A., Yurdakul P., YILDIZ İ., ARPACI Ö., Acan N., Aki-Sener E., Yalcin I.  
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol.317, no.2, pp.670-674, 2004 (SCI-Expanded)
- LV. **Some new bi- and ter-benzimidazole derivatives as topoisomerase I inhibitors**  
Alper S., ARPACI Ö., Şener Aki E., Yalçin I.  
Farmaco, vol.58, no.7, pp.497-507, 2003 (SCI-Expanded)
- LVI. **Synthesis and HIV-1 reverse transcriptase inhibitor activity of some 2,5,6-substituted benzoxazole, benzimidazole, benzothiazole and oxazolo (4,5-b)pyridine derivatives**  
Akbay A., Oren İ., ARPACI Ö., Aki-Sener E., Yalcin I.  
Arzneimittel-Forschung/Drug Research, vol.53, no.4, pp.266-271, 2003 (SCI-Expanded)
- LVII. **Synthesis and antimicrobial activity of some 2-[p-substituted-phenyl]benzoxazol-5-yl-**

## arylcarboxyamides

ARPACI Ö., Aki-Sener E., Yalcin I., Altanlar N.

ARCHIV DER PHARMAZIE, vol.335, no.6, pp.283-288, 2002 (SCI-Expanded)

- LVIII. **QSARs of some 5- or 6-methyl-2-substituted benzoxazoles/benzimidazoles against Candida albicans**  
ARPACI Ö.  
Turkish Journal of Medical Sciences, vol.31, no.6, pp.493-497, 2001 (SCI-Expanded)

## Articles Published in Other Journals

- I. **NEW SULFONAMIDO-BENZOXAZOLE DERIVATIVES AS ANTIMICROBIAL AGENTS: DESIGN, SYNTHESIS AND BIOLOGICAL EVALUATION ANTİMİKROBİYAL AJAN OLARAK YENİ SÜLFONAMİDO-BENZOKSAZOL TÜREVLERİ: TASARIM, SENTEZ VE BİYOLOJİK DEĞERLENDİRME**  
EROL M., Acar-Halici C., Kuyucuklu G., Salan A. S., ARPACI Ö.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.48, no.1, 2024 (Scopus)
- II. **Anticancer effects of a newly-synthesized benzoxazole-derived 5-amino-2-[P-bromophenyl]-benzoxazole in breast cancer cell lines**  
KOSOVA F., ARPACI Ö., TUĞLU M. İ., ÖLMEZ E., ÖZDAL KURT F., KISMALI G., ARI Z., ARISOY M.  
Medicine Science, vol.11, no.2, pp.825-830, 2022 (Peer-Reviewed Journal)
- III. **Investigation of the effect on prostate cancer purine base analog of the newly developed compound**  
TEMELTAŞ G., KOSOVA F., ARPACI Ö., TUĞLU M. İ.  
Medicine Science, vol.9, no.4, pp.823-4, 2020 (Peer-Reviewed Journal)
- IV. **Synthesis and the effect of a novel benzoxazole compound on breast cancer cell line**  
KOSOVA F., ARPACI Ö., ÖLMEZ E., TUĞLU M. İ.  
Medicine Science International Medical Journal, no.0, pp.186-191, 2019 (Peer-Reviewed Journal)
- V. **Molecular modelling studies of some benzoxazole derivatives Bazi benzoksazol türevlerinin moleküler modelleme çalışmaları**  
Arisoy M., ARPACI Ö.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.40, no.1, pp.1-15, 2016 (Scopus)
- VI. **FT IR NBO MEP HOMO LUMO analysis and molecular docking study of 5 4 butylbenzamido 2 4 tert butylphenyl benzoxazole**  
bhagyasree j. b., varghese h. t., panicker y., arisoy m., TEMİZ ARPACI Ö., jadi s.  
science letters journal, vol.4, pp.171-176, 2015 (Peer-Reviewed Journal)
- VII. **Antimycobacterial properties of some 2,5-disubstituted-benzoxazole derivatives**  
Arisoy M., ARPACI Ö., Kaynak-Onurdağ F., Ozgen S.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.39, no.2, pp.155-162, 2010 (Scopus)
- VIII. **A new benzoxazole compound as antimicrobial agent Antimikrobiyal etkili yeni bir benzoksazol bileşiği**  
ARPACI Ö., Kaynak-Onurdağ F.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.35, no.3, pp.189-196, 2006 (Scopus)
- IX. **QSAR s of some antibacterial active benzoxazoles against B subtilis**  
ARPACI Ö., YILDIZ İ., AKI YALÇIN E. E., YALÇIN İ., TEKİNER GÜLBAŞ P. B.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.31, no.2, pp.73-82, 2002 (Peer-Reviewed Journal)
- X. **QSAR s of some novel benzoxazole benzimidazole and oxazolo 4 5 b pyridine derivatives against C albicans**  
ÖREN İ., ARPACI Ö., YALÇIN İ., AKI YALÇIN E. E.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.31, no.1, pp.21-32, 2002 (Peer-Reviewed Journal)
- XI. **Synthesis Antibacterial Activity and QSAR s of some 5 Substituted 2 p Substitutedbenzyl benzoxazoles using the Free Wilson Analysis**  
AKI YALÇIN E. E., ARPACI Ö., ÖREN İ., YALÇIN İ., Akın A., Uçartürk N.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.24, no.1, pp.10-20, 1995 (Scopus)

## Books & Book Chapters

- I. **Ankara Üniversitesi Farmasötik Kimya Pratikleri 1-2 Kitabı**  
Akı Yalçın E. E., Yalçın İ., Büyükbingöl M. E., Göker A. H., Yıldız İ., Altuntaş Dinlenç T., Kılıçgil G., Tunçbilek M., Süzen S., Arpacı Ö., et al.  
Ankara Üniversitesi Basımevi, Ankara, 2018
- II. **Farmasötik Kimya pratikleri 1 2**  
AKI YALÇIN E. E., YALÇIN İ., BÜYÜKBİNGÖL M. E., GÖKER A. H., YILDIZ İ., ALTUNTAŞ DİNLENÇ T., KILCIGİL G., TUNÇBİLEK M., ARPACI Ö., KUŞ C., et al.  
Ankara Üniversitesi Basımevi, Ankara, 2018
- III. **Farmasötik Kimya Pratikleri 1-2**  
AKI YALÇIN E. E., YALÇIN İ., BÜYÜKBİNGÖL M. E., GÖKER A. H., YILDIZ İ., ALTUNTAŞ DİNLENÇ T., TUNÇBİLEK M., KILCIGİL G., SÜZEN S., ARPACI Ö., et al.  
Ankara Üniversitesi Basımevi, Ankara, 2018
- IV. **Ankara Üniversitesi Eczacılık Fakültesi Farmasötik Kimya Pratikleri 3-4**  
AKI YALÇIN E. E., YALÇIN İ., BÜYÜKBİNGÖL M. E., GÖKER A. H., YILDIZ İ., ALTUNTAŞ DİNLENÇ T., KILCIGİL G., TUNÇBİLEK M., SÜZEN S., ARPACI Ö., et al.  
Ankara Üniversitesi Basımevi, Ankara, 2018
- V. **Farmasötik Kimya Pratikleri 3-4**  
AKI YALÇIN E. E., YALÇIN İ., BÜYÜKBİNGÖL M. E., GÖKER A. H., YILDIZ İ., ALTUNTAŞ DİNLENÇ T., TUNÇBİLEK M., KILCIGİL G., SÜZEN S., ARPACI Ö., et al.  
Ankara Üniversitesi Basımevi, Ankara, 2018
- VI. **Concepts: Computational Tools and Biological Applications**  
YALÇIN İ., AKI YALÇIN E. E., ÖREN İ., ARPACI Ö.  
in: QSAR and Molecular Modelling, Sanz F., Giraldo J, Manaut F, Editor, Prous Science Publishers, pp.147-151, 1995

## Refereed Congress / Symposium Publications in Proceedings

- I. **The Effects of Benzoxasol Derivate Compounds in Breast Cancer Cells**  
KOSOVA F., ARPACI Ö., ÖLMEZ E., TUĞLU M. İ.  
NPCPT 2017, 8 - 11 November 2017
- II. **THE EFFECTS OF HETEROCYCLIC COMPOUNDS ON BREAST CANCER CELL LİNE**  
KOSOVA F., ARPACI Ö., TUĞLU M. İ., ÖLMEZ E., ÖZDAL KURT F., ARI Z.  
IFCC worldlab 2017, 22 - 25 October 2017, vol.55, pp.1269-1297
- III. **Synthesis of some novel biologically effective benzimidazole derivatives**  
EROL M., ARPACI Ö., GÖKER A. H.  
GPSS 2017, 11 - 13 October 2017
- IV. **SYNTHESIS OF SOME N-(2-(4-(TERT-BUTYL)PHENYL)BENZO[D]OXAZOL-5-YL)-P-SUBSTITUTED BENZENESULFONAMIDES**  
ACAR C., ARPACI Ö.  
2nd International Gazi Pharma Symposium Series, Ankara, Turkey, 11 - 13 October 2017
- V. **Antimicrobial evaluation of some heterocyclic compounds**  
EROL M., ARPACI Ö., KAYNAK ONURDAĞ F., ÖKTEN S.  
GPSS 2017, Ankara, Turkey, 11 - 13 October 2017
- VI. **Synthesis and Biological evaluation of some benzoxazole derivatives as inhibitors of acetylcholinesterase / butyrylcholinesterase and tyrosinase” ICPPS 2017: 19 th International conference on pharmacy and pharmaceutical sciences,**  
ARPACI Ö., tasci m., senol f. s., orhan i. e.  
ICPPS 2017, Londrina, Brazil, 21 - 22 September 2017
- VII. **Synthesis, characterization, molecular docking, biological activity, and DFT studies of a new**



## **benzoxazole ligand**

Zeyrek C. T., ARPACI Ö., ÜNVER H., BOYACIOĞLU B., ELMALI A.

PACCON 2017 Pure and Applied Chemistry International Conference, 2 - 03 February 2017

- VIII. **experimental DFT biological activity and molecular docking studies of 5 ethylsulphonyl 2 phenyl benzoxazole**  
zeyrek c. t., ÜNVER H., ARPACI Ö., BOYACIOĞLU B., ELMALI A.  
Nanotechnology and nanomaterials, 24 - 27 August 2016
- IX. **The effects of specific heterocyclic compounds on angiogenesis and apoptosis factors in cancer cells**  
KOSOVA F., ARPACI Ö., TUĞLU M. İ., ÖLMEZ E., ÖZDAL KURT F., KISMALI G., ARI Z., ARISOY M.  
10th Annual meeting, cancer research, 16 - 20 April 2016
- X. **evaluation of mutagenic and antimutagenic activities of some biological active benzoxazoles in the ames test**  
ARPACI Ö., SOYSAL Z., DİRİL N.  
18 th İNTERNATİONAL CONFERENCE ON PHARMACOLOGICAL SCIENCES, 25 - 26 February 2016
- XI. **Synthesis of some 5 substituted 2 p tert butylphenyl benzoxazoles**  
TAŞCI M., ARPACI Ö.  
SCT, 23rd young research fellow meeting, 15 - 17 February 2016
- XII. **novel structure analysis of some new synthesized antimicrobial benzoxazoles**  
ARISOY M., TEMİZ ARPACI Ö., SELDA Ö., FATMA K. O.  
RPDA 2015, 28 June - 01 July 2015
- XIII. **Synthesis of Some Biologically Effective 2 5 Disubstituted Benzoxazoles**  
TEMİZ ARPACI Ö., MERYEM T.  
ISOPs 2015, 9-12 June, Ankara, Turkey, P 219., 9 - 12 June 2015
- XIV. **Synthesis and Antimicrobial Evaluation of 2 p Substituted Phenyl 5 4 substitutedphenyl sulfonylamido benzoxazoles**  
TEMİZ ARPACI Ö., FATMA D., SAÇ D., ELMAS S., KAYNAK ONURDAĞ F., ÖKTEN S.  
ISOPs 2015, 9-12 June, Ankara, Turkey, 9 - 12 June 2015
- XV. **Synthesis and Antimicrobial Evaluation of 2 p Substituted Phenyl 5 4 substitutedphenyl sulfonylamido benzoxazoles**  
ARPACI Ö., DOĞANÇ F., saç d., elmas s., KAYNAK ONURDAĞ F., okten s.  
International Symposiom on Pharmaceutical Sciences, Ankara, Turkey, 11 - 13 June 2015
- XVI. **DNA Topoisomerase Inhibitory Activity of Some Heterocyclic Compounds and Their Structure Activity Relationships**  
AKI YALÇIN E. E., YALÇIN İ., YILDIZ İ., ARPACI Ö., BOLELLİ K., ERTAN BOLELLİ T.  
Current Trends in Drug Discovery Research (CTDDR-2010), Lucknow, Canada, 17 - 21 February 2010, vol.16
- XVII. **Molecular Modelling Studies on Some Benzazoles as Eukaryotic DNA Topoisomerase II Inhibitors**  
YILDIZ İ., ERTAN BOLELLİ T., BOLELLİ K., ARPACI Ö., YALÇIN İ., AKI YALÇIN E. E.  
4th Central European Conference Chemistry towards Biology (CTB4), Dobogókő, Hungary, 8 - 11 September 2008, pp.135
- XVIII. **Pharmacophore Analysis on Some Benzoxazoles against Drug Resistant Escherichia coli**  
ERTAN BOLELLİ T., YILDIZ İ., BOLELLİ K., TEKİNER GÜLBAŞ P. B., YILMAZ S., ARPACI Ö., AKI YALÇIN E. E., YALÇIN İ.  
Fifth International Symposium on Computational Methods in Toxicology and Pharmacology Integrating Internet Resources (CMTPI-2009), İstanbul, Turkey, 4 - 08 July 2009
- XIX. **Synthesis Structure Elucidation and Microbiological Activity of Some New 2 4 4 Substitutedbenzamido phenyl benzothiazole Derivatives**  
BOLELLİ K., YALÇIN İ., BOLELLİ T., KAYNAK ONURDAĞ F., YILDIZ İ., ARPACI Ö., AKI YALÇIN E. E., ABBASOĞLU U.  
International Meeting on Medicinal and Pharmaceutical Chemsitry (IMMPC-3), Antalya, Turkey, 16 - 21 October 2007
- XX. **Synhtesis Structure Elucidation and Microbiological Activity of Some New 2 4 4 Substitutedbenzamido phenyl benzothiazole Derivatives**  
BOLELLİ K., YALÇIN İ., ERTAN BOLELLİ T., KAYNAK ONURDAĞ F., YILDIZ İ., ARPACI Ö., AKI YALÇIN E. E.,

ABBASOĞLU U.

3rd International Meeting on Medicinal and Pharmaceutical Chemistry (IMMPC-3), Antalya, Turkey, 16 - 21 October 2007, pp.96

- XXI. **Three Dimensional Common Feature Hypotheses and 2D QSAR Studies on Some Antimicrobiologically Active Amides against Drug Resistance Staphylococcus aureus**  
YILDIZ İ., ERTAN BOLELLİ T., ARPACI Ö., BOLELLİ K., AKI YALÇIN E. E., YALÇIN İ.  
Fourth International Symposium on Computational Methods in Toxicology and Pharmacology Integrating Internet Resources (CMTPI-2007), Moskva, Russia, 1 - 05 September 2007, pp.52
- XXII. **Molecular Modeling Studies on Some Eucaryotic Topoisomerase II Enzyme Inhibitor Fused Heterocyclic Compounds**  
YILDIZ İ., Alper S., ERTAN BOLELLİ T., ARPACI Ö., TEKİNER GÜLBAŞ P. B., AKI YALÇIN E. E., YALÇIN İ.  
6th AFMC International Medicinal Chemistry Symposium, İstanbul, Turkey, 8 - 11 July 2007, pp.15-16
- XXIII. **Synthesis and in vitro Antibacterial Activity against Pseudomonas aeruginosa of Some Novel 2 Phenyl Benzoxazoles**  
ERTAN BOLELLİ T., YILDIZ İ., TEKİNER GÜLBAŞ P. B., BOLELLİ K., ARPACI Ö., Özkan S., ABBASOĞLU U.  
8th International Symposium on Pharmaceutical Sciences (ISOPS-8), Ankara, Turkey, 13 - 16 June 2006
- XXIV. **Synthesis and antibacterial activity of some 4 substituted N 2 hydroxy 5 or 6 nitrophenyl benzamide derivatives**  
ERTAN BOLELLİ T., YILDIZ İ., BOLELLİ K., ARPACI Ö., TEKİNER GÜLBAŞ P. B., AKI YALÇIN E. E., YALÇIN İ., ABBASOĞLU U.  
International Symposium on Medicinal Chemistry Research and Development, Kuşadası, Turkey, 28 September - 01 October 2005
- XXV. **COMFA 3D QSAR Studies on benzazole derivatives as eukaryotic topoisomerase II inhibitors**  
YILDIZ İ., ARPACI Ö., TEKİNER GÜLBAŞ P. B., ERTAN BOLELLİ T., AKI YALÇIN E. E., YALÇIN İ.  
Joint Meeting on Medicinal Chemistry, VIYANA, Austria, 20 - 23 June 2005

## Metrics

Publication: 101

Citation (WoS): 1549

Citation (Scopus): 1725

H-Index (WoS): 23

H-Index (Scopus): 23