

# Prof. ÖZLEM ARPACI

## Personal Information

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## International Researcher IDs

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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-disüstitübenzoksazol türevlerinin sentezi, yapılarının aydınlatılması, antimikrobiyal etkileri ve moleküler modelleme çalışmaları, Doctorate, M.ARISOY(Student), 2013  
ARPACI Ö., Yeni 2-(p-Süstitübenzil)-5-(2-Süstitüasetamido)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. **Novel Sulfonylamido Benzoxazole Derivatives: Synthesis, Characterisation, Molecular Docking, DFT, and Antimicrobial Activity Investigations**  
Faydali N., EROL M., ARPACI Ö., Kuyucuklu G., Semih Salan A.  
Chemistry and Biodiversity, 2024 (SCI-Expanded)
- III. **Evaluation of Mutagenic Activities of Antimicrobial Benzoxazole Derivatives**  
Aydogan Z., Foto F. Z., FOTO E., ARPACI Ö., DİRİL N.  
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.56, pp.1192-1198, 2022 (SCI-Expanded)
- IV. **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)
- V. **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)

- 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. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **Spectroscopic Properties and Theoretical Studies of 5-Ethylsulphonyl-2-Phenyl-Benzoxazol: Relation Between the Frontier Molecular Orbitals and Optical Properties**  
Zeyrek C. T., Ünver H., ARPACI Ö., BOYACIOĞLU B., Elmali A.  
JOURNAL OF STRUCTURAL CHEMISTRY, vol.60, no.2, pp.241-254, 2019 (SCI-Expanded)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)

- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- 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, 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)
- XXVI. **SYNTHESIS AND DIFFERENT BIOLOGICAL ACTIVITIES OF NOVEL BENZOAZOLES**  
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)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **ANTIMICROBIAL ACTIVITY AND STRUCTURE-ACTIVITY RELATIONSHIPS OF SOME SYNTHESIZED BENZOAZOLES AND THEIR POSSIBLE METABOLITES**  
Yalcin I., Aki E., YILDIZ İ., Temiz-Arpaci Ö.  
MEDICINAL CHEMISTRY RESEARCH, vol.19, 2010 (SCI-Expanded)
- XXX. **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)

- XXXI. **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)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **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)
- XXXVI. **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)
- XXXVII. **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)
- 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. **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)
- XL. **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)
- 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. **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)
- XLIII. **Molecular modelling studies on some eukaruotic 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)

- XLIV. **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)
- XLV. **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)
- XLVI. **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)
- XLVII. **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)
- XLVIII. **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)
- XLIX. **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)
- L. **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)
- LI. **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)
- 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. **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)
- 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. **A target site for template-based design of measles virus entry inhibitors**  
Plempner 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)
- LVI. **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)
- LVII. **Synthesis and HIV-1 reverse transcriptase inhibitor activity of some 2,5,6-substituted benzoxazole,**

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