

# LEYLA YURTTAŞ

## PROF. DR.

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### Öğrenim Bilgisi

Doktora 2009 - 2012	Anadolu Üniversitesi, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (Dr), Türkiye
Yüksek Lisans 2006 - 2009	Anadolu Üniversitesi, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (YI) (Tezli), Türkiye
Lisans 2002 - 2006	Anadolu Üniversitesi, ECZACILIK FAKÜLTESİ, Eczacılık Pr., Türkiye

### Yaptığı Tezler

Doktora, Bazı 1-(2-aril-2-okzoetil)-2-[(morfolin-4-il)tiyoksometil]benzimidazol türevlerinin sentezi ve antikanser etkilerinin araştırılması, Anadolu Üniversitesi, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (Dr), 2012

Yüksek Lisans, Bazı 1,2,3-trisüstitüe pirazino benzimidazol türevlerinin sentezi ve antikanser etkilerinin araştırılması, Anadolu Üniversitesi, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (YI) (Tezli), 2009

### Akademik Unvanlar / Görevler

Prof. Dr. 2020 - Devam Ediyor	Anadolu Üniversitesi, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ
Yrd. Doç. Dr. 2013 - Devam Ediyor	Anadolu Üniversitesi, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ
Araştırma Görevlisi 2006 - 2013	Anadolu Üniversitesi, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ

### Desteklenen Projeler

- YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Naftalen halkası taşıyan tiyazol türevlerinin sentezi ve biyolojik aktivitelerinin araştırılması, 2020 - Devam Ediyor
- YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, 5-Nitrotiyofen İçeren Tiyazol Türevlerinin Sentezi ve

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3. YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Hidrazino-Tiyazol Türevlerinin Sentezi, Antikanser ve Antikolinesteraz Aktivitelerinin Araştırılması, 2020 - Devam Ediyor
4. YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Asetamit kalıntısı taşıyan yeni 1,3,4-oksadiazol türevlerinin sentezi ve antikanser aktivitelerinin araştırılması, 2019 - Devam Ediyor
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7. YURTTAŞ L., Bazı piridil substitue tiyazolil triazol türevlerinin sentezi ve antimikrobiyal etkilerinin araştırılması, Devam Ediyor
8. YURTTAŞ L., Bazı 1 2 3 trisubstitüe pirazino benzimidazol türevlerinin sentezi ve antikanser etkilerinin araştırılması, Devam Ediyor
9. YURTTAŞ L., Bazı 2 4 substitüeaminofenil benzotiyazol türevlerinin sentezi ve antikanser etkilerinin saptanması, Devam Ediyor
10. GÜNDOĞDU KARABURUN N., YURTTAŞ L., Bazı substitüe auron veya auron analogu bileşiklerin sentezi ve antikanser etkilerinin araştırılması, Devam Ediyor
11. Gündoğdu-Karaburun N., Kaplancıklı Z. A., Karaburun A. Ç., Özkay Y., Yurttaş L., İlgin S., Acar Çevik U., Sağlık B. N., Levent S., Osmaniye D., Yükseköğretim Kurumları Destekli Proje, Monoamin Oksidaz İnhibitörleri Olarak Yeni Benzofuran-Tiyazolilhidrazon Türevlerinin Tasarımı, Sentezi ve Biyolojik Etki Çalışmaları, 2020 - 2022
12. YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Bazı N-[5-((3,5-diklorofenoksi)metil)-1,3,4-tiyadiazol-2-il]-2-(substitüe tiyo)asetamit Türevlerinin Sentezi ve Antikanser Aktivitelerinin Araştırılması, 2019 - 2020
13. YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Arilamino substitüe merkaptto imidazol türevlerinin sentezi ve düşük karbon çeliğinin asidik ortamdaki korozyonuna inhibitör etkilerinin incelenmesi, 2018 - 2020
14. YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Bazı 2-[(Asetamidofenoksi)metil]-4H-1,2,4-triazol Türevlerinin Sentezi ve Antikanser Aktivitelerinin Araştırılması, 2018 - 2019
15. YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Bazı N-(5-metil-4-feniltiyazol-2-il)-2-(substitüe merkapttoaril)asetamit Türevlerinin Sentezi ve Antikanser Aktivitelerinin Araştırılması, 2017 - 2018
16. YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Yeni 2-(4-substitüe piperazin-1-il)-4-(substitüe fenil)tiyazol türevlerinin sentezi ve antikolinesteraz aktivitelerinin araştırılması, 2016 - 2018
17. AKALIN ÇİFTÇİ G., YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Yeni N-(3,4-Disubstitüetiyazoliden)-2-(Tetrahidronaftalen-2-il)oksiasetohidrazid Türevlerinin Sentezleri, Yapılarının Aydınlatılması ve Antikanser, Enzim İnhibisyon Etkilerinin Araştırılması, 2015 - 2018
18. DEMİRAYAK Ş., YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Tiyazol kalıntısı içeren tiyosemikarbazon türevlerinin sentezi ve antikanser etkilerinin araştırılması, 2016 - 2017
19. DEMİRAYAK Ş., YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Bazı substitüe tiyazolil sülfonamid türevlerinin sentezi ve antikanser etkilerinin araştırılması, 2016 - 2017
20. AKALIN ÇİFTÇİ G., TEMEL H. E., YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Yeni 1,2,4-triazin türevlerinin sentezi ve biyolojik aktivitelerinin değerlendirilmesi, 2016 - 2017
21. TEMEL H. E., AKALIN ÇİFTÇİ G., YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, 1-Fenilamino-2-tiyo-4,5-dimetil-1H-imidazol türevlerinin sentezi ve antikanser ve antienflamatuvar etkileri, 2016 - 2017
22. TEMEL H. E., AKALIN ÇİFTÇİ G., YURTTAŞ L., KAYA ÇAVUŞOĞLU B., Yükseköğretim Kurumları Destekli Proje, Bazı 2,5-Disubstitüe Oksadiazol Türevlerinin Sentezi ve Antikanser Aktivitelerinin Araştırılması, 2016 - 2017
23. YURTTAŞ L., TÜBİTAK Projesi, Non Steroidal Yapılı Aromataz Enzim İnhibitörleri Üzerine Çalışmalar 4 aril heteroaril 2 pirimidin 2 il tiyazol Türevleri, 2015 - 2016
24. TEMEL H. E., AKALIN ÇİFTÇİ G., YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Yeni N dibenzo b d furan 3 il 2 ariloksiasetamit türevlerinin sentezi ve biyolojik aktivitelerinin değerlendirilmesi, 2015 - 2016
25. CANTÜRK Z., YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Yeni N ariliden 2 4 metilsülfonil piperazin 1 il asetohidrazit Türevlerinin Sentezi ve Sitotoksik Açından Değerlendirilmesi, 2015 - 2016
26. TEMEL H. E., AKALIN ÇİFTÇİ G., YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Bazı 2 5 6 difenil 1 2 4 triazin 3 il tiyo N tiyazol benzotiyazol 2 il asetamid türevlerinin sentezi ve biyolojik aktivitelerinin değerlendirilmesi, 2015 -

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27. DEMİRAYAK Ş., YURTTAŞ L., TÜBİTAK Projesi, Non Steroidal Yapılı Aromataz Enzim İnhibitörleri Üzerine Çalışmalar 4-(aril/heteroaril)-2-(pirimidin-2- il)tiyazol Türevleri, 2015 - 2016
28. YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Bazı 2 piridil 4 süstitüe fenol tiyazol türevlerinin sentezi ve aromataz inhibisyonu etkilerinin araştırılması, 2015 - 2015
29. YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Bazı tiyazol türevlerinin sentezi ve aromataz inhibisyonu ve antikanser etkilerinin araştırılması, 2015 - 2015
30. TEMEL H. E., AKALIN ÇİFTÇİ G., YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Bazı Morfolin Kalıntısı Taşıyan Benzimidazol Türevlerinin Antikanser ve Enzim İnhibisyon Etkileri, 2014 - 2015
31. AKALIN ÇİFTÇİ G., YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Bazı 1 2 aril 2 okzoetil benzimidazol türevlerinin antikanser etkileri, 2014 - 2015
32. YURTTAŞ L., KAPLANCIKLİ Z. A., Yükseköğretim Kurumları Destekli Proje, Hidrazon Kalıntısı İçeren Benzotiyazol Türevlerinin Sentezi ve Antifungal Etkilerinin Araştırılması., 2014 - 2015
33. TURAN G., ÖZKAY Y., YURTTAŞ L., ÖZDEMİR A., KAPLANCIKLİ Z. A., DEMİR ÖZKAY Ü., Yükseköğretim Kurumları Destekli Proje, 4 2 Pirimidinil piperazin 1 karboditiyoik Asit Türevlerinin Sentezi ve Antikolinesteraz Aktivitelerinin Araştırılması, 2013 - 2015
34. YURTTAŞ L., Yükseköğretim Kurumları Destekli Proje, Bazı 1 2 aril 2 okzoetil 2 morfolin 4 il tiyoksometil benzimidazol türevlerinin sentezi ve antikanser etkilerinin araştırılması, 2011 - 2012

#### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. **Design and synthesis of new benzothiazole-piperazine derivatives and *in vitro* and *in silico* investigation of their anticancer activity**  
Evren A. E., Ekselli B., YURTTAŞ L., TEMEL H. E., AKALIN ÇİFTÇİ G.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1320, 2025 (SCI-Expanded)
2. **Pharmacophore-Based Modeling, Synthesis, and Biological Evaluation of Novel Quinazoline/Quinoline Derivatives: Discovery of EGFR Inhibitors with Low Nanomolar Activity**  
EVREN A. E., SAĞLIK ÖZKAN B. N., AKALIN ÇİFTÇİ G., YURTTAŞ L.  
ADVANCED THEORY AND SIMULATIONS, 2024 (SCI-Expanded)
3. **Exploring Novel Quinoline-1,3,4-Oxadiazole Derivatives for Alzheimer's Disease: Their Design, Synthesis, and *In-Vitro* and *In-Silico* Investigations**  
Saffour S., Evren A. E., SAĞLIK ÖZKAN B. N., YURTTAŞ L.  
CURRENT MEDICINAL CHEMISTRY, 2024 (SCI-Expanded)
4. **Design and synthesis of phenoxy methyl-oxadiazole compounds against Alzheimer's disease**  
Evren A. E., Nuha D., SAĞLIK ÖZKAN B. N., KAHRAMAN Ç., Gonulalan E. M., YURTTAŞ L.  
ARCHIV DER PHARMAZIE, cilt.357, sa.8, 2024 (SCI-Expanded)
5. **Synthesis of new *N*-(5,6-methylenedioxybenzothiazole-2-yl)-2-[(substituted)thio/piperazine]acetamide/propanamide derivatives and evaluation of their AChE, BChE, and BACE-1 inhibitory activities**  
Tutus B., Kaya A. Z., Baz Y., Evren A. E., SAĞLIK ÖZKAN B. N., YURTTAŞ L.  
DRUG DEVELOPMENT RESEARCH, cilt.85, sa.4, 2024 (SCI-Expanded)
6. **New *N*-(1,3,4-thiadiazole-2-yl)acetamide derivatives as human carbonic anhydrase I and II and acetylcholinesterase inhibitors**  
Dawbaa S., Tuerkes C., Nuha D., DEMİR Y., Evren A. E., YURTTAŞ L., BEYDEMİR Ş.  
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7. **Design and synthesis of novel dithiazole carboxylic acid Derivatives: In vivo and in silico investigation of their Anti-Inflammatory and analgesic effects**  
TURAN YÜCEL N., Asfour A. A. R., EVREN A. E., YAZICI C., KANDEMİR Ü., Özkay Ü. D., CAN Ö. D., YURTTAŞ L.  
Bioorganic Chemistry, cilt.144, 2024 (SCI-Expanded)
8. **Design, Synthesis, and Biological Effect Studies of Novel Benzofuran–Thiazolyldiazone Derivatives**

### as Monoamine Oxidase Inhibitors

Osmaniye D., Sağlık Özkan B. N., Levent S., Acar Çevik U., Ilgın S., Yurttaş L., Özkay Y., Karaburun A. Ç., Kaplancıklı Z. A., Gündoğdu-Karaburun N.

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9. **Antimicrobial activity of novel substituted 1,2,4-triazole and 1,3-thiazole derivatives**  
Saffour S., AL-Sharabi A. A., EVREN A. E., YILMAZ CANKILIÇ M., YURTTAŞ L.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1295, 2024 (SCI-Expanded)
10. **Synthesis and anticancer activity evaluation of some novel imidazo[1,2-*a*]pyridine based heterocycles containing *S*-alkyl/aryl moiety**  
Kaya B., YURTTAŞ L., BAYSAL M., Celikates B., KAPLANCIKLI Z. A., İMAMOĞLU R.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, cilt.199, sa.5, ss.383-393, 2024 (SCI-Expanded)
11. **Synthesis of Some New 1,3,4-Oxadiazole Derivatives and Evaluation of Their Anticancer Activity**  
Yurttaş L., Evren A. E., Kubilay A., Aksoy M. O., Temel H. E., Akalın Çiftçi G.  
ACS OMEGA, cilt.1, ss.1, 2024 (SCI-Expanded)
12. **Novel oxadiazole-thiadiazole derivatives: synthesis, biological evaluation, and in silico studies**  
EVREN A. E., Nuha D., Dawbaa S., KARADUMAN A. B., SAĞLIK B. N., YURTTAŞ L.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, cilt.42, sa.16, ss.8688-8700, 2024 (SCI-Expanded)
13. **Synthesis, molecular docking, and molecular dynamic simulation studies of new 1,3,4-thiadiazole derivatives as potential apoptosis inducers in A549 lung cancer cell line**  
YURTTAŞ L., EVREN A. E., AİCHAİB H., TEMEL H. E., AKALIN ÇİFTÇİ G.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 2023 (SCI-Expanded)
14. **Design, synthesis and apoptotic effects of novel benzoxazole compounds**  
Kaya B., YURTTAŞ L., AKALIN ÇİFTÇİ G., Aksoy M. O.  
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, cilt.78, sa.11-12, ss.433-440, 2023 (SCI-Expanded)
15. **Synthesis, characterization, molecular docking and molecular dynamics simulations of novel 2,5-disubstituted-1,3,4-thiadiazole derivatives as potential cholinesterase/monoamine oxidase dual inhibitors for Alzheimer's disease**  
AL-Sharabi A. A., EVREN A. E., SAĞLIK ÖZKAN B. N., YURTTAŞ L.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 2023 (SCI-Expanded)
16. **Synthesis, antimicrobial activity, electrochemical studies and molecular modeling studies of novel 1,3,4-oxadiazole derivatives**  
AL-Sharabi A. A., Saffour S., Evren A. E., Bayazit G., ÇONGUR G., GÜL Ü. D., YURTTAŞ L.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1289, 2023 (SCI-Expanded)
17. **New oxadiazole/triazole derivatives with antimicrobial and antioxidant properties**  
Dawbaa S., Nuha D., EVREN A. E., Cankiliç M. Y., YURTTAŞ L., TURAN G.  
Journal of Molecular Structure, cilt.1282, 2023 (SCI-Expanded)
18. **Discovery of novel potent human chondrosarcoma (SW1353) inhibitors: 4-(2/3/4-pyridyl)thiazole 2-acetamide derivatives**  
COŞKUN G. P., Sahin Z., ERDOĞAN Ö., ÇEVİK Ö., BİLTEKİN S. N., YURTTAŞ L., BERK B., ÜLGEN M., DEMİRAYAK Ş.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1273, 2023 (SCI-Expanded)
19. **Investigation of Novel Quinoline-Thiazole Derivatives as Antimicrobial Agents: In Vitro and In Silico Approaches**  
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20. **Synthesis of some 5,6-diaryl-1,2,4-triazine derivatives and investigation of their cyclooxygenase (COX) inhibitory activity**  
Ertas M., BİLTEKİN S. N., BERK B., YURTTAŞ L., DEMİRAYAK Ş.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, cilt.197, sa.11, ss.1123-1135, 2022 (SCI-Expanded)

21. **Synthesis, anticholinesterase activity, molecular docking, and molecular dynamic simulation studies of 1,3,4-oxadiazole derivatives**  
Durmaz S., Evren A. E., SAĞLIK B. N., YURTTAŞ L., TAY N. F.  
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22. **Novel benzofurane carbonyl analogs of donepezil as acetylcholinesterase inhibitors**  
Sahin Z., Biltekin S. N., YURTTAŞ L., BERK B., Kucukkilinc T. T., DEMİRAYAK Ş.  
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23. **Synthesis, antimicrobial activity and modeling studies of thiazoles bearing pyridyl and triazolyl scaffolds**  
TAY N. F., BERK B., DURAN M., KAYAĞİL İ., YURTTAŞ L., Biltekin Kaleli S. N., YAMAÇ M., Karaduman A. B., DEMİRAYAK Ş.  
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24. **Synthesis, density functional theory calculation, molecular docking studies, and evaluation of novel 5-nitrothiophene derivatives for anticancer activity**  
Nuha D., Evren A. E., ciyanci Z. S., TEMEL H. E., AKALIN ÇİFTÇİ G., YURTTAŞ L.  
ARCHIV DER PHARMAZIE, cilt.355, sa.9, 2022 (SCI-Expanded)
25. **Synthesis and in vitro antitumor activities of novel thioamide substituted piperazinyl-1,2,4-triazines**  
Sahin Z., Biltekin S. N., Ozansoy M., Hemis B., Ozansoy M. B., YURTTAŞ L., BERK B., DEMİRAYAK Ş.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, cilt.59, sa.8, ss.1333-1340, 2022 (SCI-Expanded)
26. **Novel benzofurane-pyrazole derivatives with anti-inflammatory, cyclooxygenase inhibitory and cytotoxicity evaluation**  
Sahin Z., Ozhan Y., SİPAHİ H., Biltekin S. N., YURTTAŞ L., BERK B., DEMİRAYAK Ş.  
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, cilt.77, sa.7-8, ss.279-285, 2022 (SCI-Expanded)
27. **New chromanone derivatives containing thiazoles: Synthesis and antitumor activity evaluation on A549 lung cancer cell line**  
YURTTAŞ L., TEMEL H. E., Aksoy M. O., Bulbul E. F., AKALIN ÇİFTÇİ G.  
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28. **Synthesis of novel thiazolyl hydrazone derivatives as potent dual monoamine oxidase-aromatase inhibitors**  
Evren A. E., Nuha D., Dawbaa S., SAĞLIK B. N., YURTTAŞ L.  
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29. **Apoptotic Effect of Novel Benzimidazole Derivatives Bearing Pyridyl/Pyrimidinyl Piperazine Moiety**  
AKALIN ÇİFTÇİ G., TEMEL H. E., YURTTAŞ L.  
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, cilt.22, sa.9, ss.1780-1792, 2022 (SCI-Expanded)
30. **Synthesis of New Thiazole Derivatives Bearing Thiazolidin-4(5H)-One Structure and Evaluation of Their Antimicrobial Activity**  
Evren A. E., YURTTAŞ L., Gencer H. K.  
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31. **Synthesis, antimicrobial and antioxidant activities of pyridyl substituted thiazolyl triazole derivatives**  
TAY N. F., DURAN M., KAYAĞİL İ., YURTTAŞ L., GÖGER G., GÖGER F., DEMİRCİ F., DEMİRAYAK Ş.  
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32. **Synthesis of new thiazole derivatives and evaluation of their antimicrobial and cytotoxic activities**  
Dawbaa S., Evren A. E., CANTÜRK Z., YURTTAŞ L.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, cilt.196, sa.12, ss.1093-1102, 2021 (SCI-Expanded)
33. **Design and synthesis of new 4-methylthiazole derivatives: In vitro and in silico studies of antimicrobial activity**  
Evren A. E., Dawbaa S., Nuha D., Yavuz S. A., GÜL Ü. D., YURTTAŞ L.  
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34. **Evaluation of new sulfathiazole derivatives as antiproliferative agents**  
YURTTAŞ L., AKALIN ÇİFTÇİ G., TEMEL H. E.  
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35. **Design and synthesis of novel 2,4,5-thiazole derivatives as 6-APA mimics and antimicrobial activity evaluation**  
Nuha D., Evren A. E., Yilmaz Cankilic M., YURTTAŞ L.  
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36. **New indane derivatives containing 2-hydrazinothiazole as potential acetylcholinesterase and monoamine oxidase-B inhibitors**  
Ates I. O., Evren A. E., SAĞLIK B. N., YURTTAŞ L.  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, cilt.76, sa.9-10, ss.417-424, 2021 (SCI-Expanded)
37. **Synthesis, characterization, COX1/2 inhibition and molecular modeling studies on novel 2-thio-diarylimidazoles**  
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## **inhibitory activities**

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## Metrikler

Yayın: 210

Atıf (WoS): 1001

Atıf (Scopus): 1087

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## Araştırma Alanları



Eczacılık, Biyokimya, Farmasötik Kimya, Enzimoloji, Moleküler Biyokimya, Organik Kimya