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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-1901-2019

ScopusID: 57193391386

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Education

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmasötik Toksikoloji A.B.D., Turkey 2018 - 2025

Postgraduate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Toksikoloji (YI) (Tezli), Turkey 2016 - 2018

Undergraduate, Anadolu University, ECZACILIK FAKÜLTESİ, Eczacılık Pr., Turkey 2011 - 2015

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Asemptomatik karotis arter stenozu olan hastalarda olası immün modülasyonun ve oksidatif hasarın değerlendirilmesi, Hacettepe University, Sağlık Bilimleri Enstitüsü, 2025

Postgraduate, Zonisamidin reproduktif toksisitesinin erkek sıçanlarda değerlendirilmesi, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Toksikoloji (YI) (Tezli), 2018

Research Areas

Pharmaceutical Toxicology

Academic Positions

Research Assistant, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2017 - Continues

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Assessment of the toxicity of different antiretroviral drugs and their combinations on Sertoli and Leydig cells**
BAYSAL M., KARADUMAN A. B., KORKUT ÇELİKATEŞ B., ATLI EKLİOĞLU Ö., ILGIN S.
DRUG AND CHEMICAL TOXICOLOGY, no.6, pp.1100-1108, 2024 (SCI-Expanded)
- II. **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, vol.42, no.16, pp.8688-8700, 2024 (SCI-Expanded)
- III. **Investigation of Novel Quinoline-Thiazole Derivatives as Antimicrobial Agents: In Vitro and In Silico Approaches**
EVREN A. E., KARADUMAN A. B., SAĞLIK B. N., ÖZKAY Y., YURTTAŞ L.
ACS OMEGA, vol.8, no.1, pp.1410-1429, 2023 (SCI-Expanded)
- IV. **Design, Synthesis, and In Vitro and In Silico Approaches of Novel Indanone Derivatives as Multifunctional Anti-Alzheimer Agents**
SAĞLIK B. N., LEVENT S., OSMANİYE D., EVREN A. E., KARADUMAN A. B., ÖZKAY Y., KAPLANCIKLI Z. A.
ACS OMEGA, vol.7, no.50, pp.47378-47404, 2022 (SCI-Expanded)
- V. **Novel imidazole derivatives as potential aromatase and monoamine oxidase-B inhibitors against breast cancer**
OSMANİYE D., LEVENT S., SAĞLIK B. N., KARADUMAN A. B., ÖZKAY Y., KAPLANCIKLI Z. A.
NEW JOURNAL OF CHEMISTRY, vol.46, no.16, pp.7442-7451, 2022 (SCI-Expanded)
- VI. **Olanzapine induced reproductive toxicity in male rats**
Ardic C. M., ILGIN S., BAYSAL M., KARADUMAN A. B., KILIÇ V., Aydogan-Kilic G., Ucarcan S., ATLI EKLİOĞLU Ö.
SCIENTIFIC REPORTS, vol.11, no.1, 2021 (SCI-Expanded)
- VII. **Risperidone induced reproductive toxicity in male rats targeting leydig cells and hypothalamic-pituitary-gonadal axis by inducing oxidative stress**
Gormus G., ILGIN S., BAYSAL M., KARADUMAN A. B., KILIÇ V., Aydogan-Kilic G., Karagoz O., ATLI EKLİOĞLU Ö.
ANDROLOGIA, vol.53, no.1, 2021 (SCI-Expanded)
- VIII. **Phytochemical characterisation of Phlomis linearis Boiss. & Bal and screening for anticholinesterase, anti-amylase, antimicrobial, and cytotoxic properties**
GÖGER G., Turkyolu U., Gursen E. N., Yur S., KARADUMAN A. B., GÖGER F., Tekin M., ÖZEK G.
TURKISH JOURNAL OF CHEMISTRY, vol.45, no.2, pp.387-399, 2021 (SCI-Expanded)
- IX. **Synthesis and biological evaluation of novel 1,3,4-thiadiazole derivatives as possible anticancer agents**
ACAR ÇEVİK U., OSMANİYE D., LEVENT S., SAĞLIK B. N., KAYA ÇAVUŞOĞLU B., Karaduma A. B., ÖZKAY Y., KAPLANCIKLI Z. A.
ACTA PHARMACEUTICA, vol.70, no.4, pp.499-513, 2020 (SCI-Expanded)
- X. **Synthesis, investigation of biological effects and in silico studies of new benzimidazole derivatives as aromatase inhibitors**
SAĞLIK B. N., Sen A. M., Evren A. E., ACAR ÇEVİK U., OSMANİYE D., Cavusoglu B. K., LEVENT S., KARADUMAN A. B., ÖZKAY Y., KAPLANCIKLI Z. A.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, no.9-10, pp.353-362, 2020 (SCI-Expanded)
- XI. **Synthesis, characterization and carbonic anhydrase I and II inhibitory evaluation of new sulfonamide derivatives bearing dithiocarbamate**
SAĞLIK B. N., OSMANİYE D., ACAR ÇEVİK U., LEVENT S., ÇAVUŞOĞLU B. K., Buyukemir O., Nezir D., KARADUMAN A. B., ÖZKAY Y., KOPARAL A. S., et al.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.198, 2020 (SCI-Expanded)
- XII. **Multifunctional quinoxaline-hydrazone derivatives with acetylcholinesterase and monoamine oxidases inhibitory activities as potential agents against Alzheimer's disease**
Cevik U., OSMANİYE D., SAĞLIK B. N., KAYA ÇAVUŞOĞLU B., LEVENT S., KARADUMAN A. B., ILGIN S., KARABURUN A. Ç., ÖZKAY Y., KAPLANCIKLI Z. A., et al.
MEDICINAL CHEMISTRY RESEARCH, vol.29, no.6, pp.1000-1011, 2020 (SCI-Expanded)

- XIII. **Synthesis and docking study of benzimidazole-triazolothiadiazine hybrids as aromatase inhibitors**
ACAR ÇEVİK U., SAĞLIK B. N., OSMANİYE D., LEVENT S., KAYA ÇAVUŞOĞLU B., KARADUMAN A. B., ÖZKAY Y.,
KAPLANCIKLI Z. A.
ARCHIV DER PHARMAZIE, vol.353, no.5, 2020 (SCI-Expanded)
- XIV. **Synthesis of new benzothiazole derivatives bearing thiadiazole as monoamine oxidase inhibitors**
ACAR ÇEVİK U., OSMANİYE D., SAĞLIK B. N., LEVENT S., KAYA ÇAVUŞOĞLU B., KARADUMAN A. B., DEMİR ÖZKAY Ü.,
ÖZKAY Y., KAPLANCIKLI Z. A., TURAN G.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.57, no.5, pp.2225-2233, 2020 (SCI-Expanded)
- XV. **Synthesis, anticancer evaluation and molecular docking studies of new benzimidazole-1,3,4-oxadiazole derivatives as human topoisomerase types I poison**
ACAR ÇEVİK U., SAĞLIK B. N., OSMANİYE D., LEVENT S., ÇAVUŞOĞLU B. K., KARADUMAN A. B., Atlid O., ATLI
EKLİOĞLU Ö., KAPLANCIKLI Z. A.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.35, no.1, pp.1657-1673, 2020 (SCI-Expanded)
- XVI. **Reproductive toxic effects and possible mechanisms of zonisamide in male rats**
KARADUMAN A. B., Kilic V., Atli-Eklioglu O., BAYSAL M., Aydogan-Kilic G., Ucarcan S., Ilgin S.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.38, no.12, pp.1384-1396, 2019 (SCI-Expanded)
- XVII. **Design and evaluation of biological activities of 1,3-oxazolidinone derivatives bearing amide, sulfonamide, and thiourea moieties**
Karaman N., Zainel R. A., KAPKAÇ H. A., Gencer H., ILGIN S., KARADUMAN A. B., Karakucuk-Iyidogan A., Oruc-Emre
E. E., KAYMAKÇIOĞLU B.
ARCHIV DER PHARMAZIE, vol.351, no.9, 2018 (SCI-Expanded)
- XVIII. **Synthesis of New Benzothiazole Acylhydrazones as Anticancer Agents**
OSMANİYE D., LEVENT S., KARADUMAN A. B., ILGIN S., ÖZKAY Y., KAPLANCIKLI Z. A.
MOLECULES, vol.23, no.5, 2018 (SCI-Expanded)
- XIX. **Synthesis and Evaluation of N-[1-(((3,4-Diphenylthiazol-2(3H)-ylidene)amino)methyl)cyclopentyl]acetamide Derivatives for the Treatment of Diseases Belonging to MAOs**
Turan-Zitouni G., Tabbi A., Hussein W., KARADUMAN A. B., SAĞLIK B. N., ÖZKAY Y.
JOURNAL OF CHEMISTRY, vol.2018, 2018 (SCI-Expanded)
- XX. **Synthesis and Biological Evaluation of New Thiosemicarbazone Derivative Schiff Bases as Monoamine Oxidase Inhibitory Agents**
Cavusoglu B. K., SAĞLIK B. N., OSMANİYE D., LEVENT S., ACAR ÇEVİK U., KARADUMAN A. B., ÖZKAY Y.,
KAPLANCIKLI Z. A.
MOLECULES, vol.23, no.1, 2018 (SCI-Expanded)
- XXI. **Sertraline-induced reproductive toxicity in male rats: evaluation of possible underlying mechanisms**
ATLI EKLİOĞLU Ö., BAYSAL M., Aydogan-Kilic G., KILIÇ V., Ucarcan S., KARADUMAN A. B., ILGIN S.
ASIAN JOURNAL OF ANDROLOGY, vol.19, no.6, pp.672-679, 2017 (SCI-Expanded)

Articles Published in Other Journals

- Novel Thiazole-Hydrazide Derivatives and Their Anticancer Properties**
Evren A. E., Nuha D., Dawbaa S., Karaduman A. B., Yurttaş L.
CLINICAL AND EXPERIMENTAL HEALTH SCIENCES, vol.14, no.3, pp.783-789, 2024 (ESCI)
- Ateroskleroz Gelişim Sürecinde Kinürenin Yolağının Rolü: Geleneksel Derleme**
KARADUMAN A. B., ILGIN S.
Literatür Eczacılık Bilimleri Dergisi, 2024 (Peer-Reviewed Journal)
- Evaluation of in vitro hepatotoxicity of perampanel in comparison with carbamazepine: old versus new**
FARMANLI G., ILGIN S., ERGUN B., BAYSAL M., KARADUMAN A. B., ATLI EKLİOĞLU Ö.

Anadolu University Health Sciences Institute, vol.2, 2023 (Peer-Reviewed Journal)

- IV. **Design, synthesis and antifungal activity of pyrazoline, thiazole and imidazole bearing hybrid compounds**
KAYA ÇAVUŞOĞLU B., OSMANİYE D., ACAR ÇEVİK U., SAĞLIK B. N., LEVENT S., KARADUMAN A. B., ÖZKAY Y., KAPLANCIKLI Z. A.
Journal of Pharmaceutical Sciences Emerging Drugs, vol.6, 2018 (Peer-Reviewed Journal)
- V. **Design and Synthesis of New 1,3,4-Oxadiazole - Benzothiazole and Hydrazone Derivatives as Promising Chemotherapeutic Agents**
KAYA ÇAVUŞOĞLU B., Hussin W., YURTTAŞ L., Turan-Zitouni G., Gencer H., BAYSAL M., KARADUMAN A. B., KAPLANCIKLI Z. A.
DRUG RESEARCH, vol.67, no.5, pp.275-282, 2017 (ESCI)

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Design and synthesis novel oxadiazole-thiadiazol as aromatase inhibitors: In vitro and in silico evaluation**
EVREN A. E., Nuha D., DAWBAA S., KARADUMAN A. B., SAĞLIK ÖZKAN B. N., YURTTAŞ L.
9th INTERNATIONAL BAU DRUG DESIGN CONGRESS, 29 November - 02 December 2023, (Summary Text)
- II. **Synthesis and Biological Activity Studies of New Compounds With Anticancer Effects**
OSMANİYE D., KARADUMAN A. B., ÖZKAY Y., KAPLANCIKLI Z. A.
II. INTERNATIONAL EUROPEAN SCIENTIFIC RESEARCH AND TECHNOLOGICAL DEVELOPMENTS CONGRESS, Azerbaijan, 26 November 2023, (Full Text)
- III. **Evaluation of Toxicity of Some Antiretroviral Drugs and Their Combinations on Sertoli And Leydig Cells**
BAYSAL M., KARADUMAN A. B., KORKUT ÇELİKATEŞ B., ATLI EKİÖĞLU Ö., ILGIN S.
11th International Congress of the Turkish Society of Toxicology, Turkey, 02 November 2022, (Summary Text)
- IV. **Reproductive toxic effects and possible mechanisms of zonisamide in male rats**
KARADUMAN A. B., KILIÇ V., ATLI EKİÖĞLU Ö., BAYSAL M., AYDOĞAN KILIÇ G., Uçarcan Ş., ILGIN S.
10th International Congress of the Turkish Society of Toxicology, 16 - 19 October 2019, (Summary Text)
- V. **Synthesis and antimicrobial activity of amide sulfonamide and thiourea derivatives bearing 1,3-oxazolidinones**
KARAMAN N., KARAKUCUK İYİDOĞAN A., KAYMAKÇIOĞLU B., KAPKAÇ H. A., KARACA GENÇER H., ILGIN S., KARADUMAN A. B., ZAINEL A., ORUÇ EMRE E.
12. International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018, (Summary Text)
- VI. **1,3,4-Thiadiazole derivatives bearing benzylamine moiety: Synthesis and monoamine oxidase inhibitory activity evaluation**
KAYA ÇAVUŞOĞLU B., KAPLANCIKLI Z. A., ACAR ÇEVİK U., LEVENT S., OSMANİYE D., ÖZKAY Y., KARADUMAN A. B., SAĞLIK B. N.
12th International Symposium On Pharmaceutical Sciences (ISOPS-12), Ankara, Turkey, 26 - 29 June 2018, (Summary Text)
- VII. **Synthesis and Antimicrobial Activity of Amide, Sulfonamide and Thiourea Derivatives Bearing 1,3-Oxazolidinones**
KARAMAN N., İYİDOĞAN A., KAYMAKÇIOĞLU B., KAPKAÇ H. A., KARACA GENÇER H., ILGIN S., KARADUMAN A. B., ADIL ZAINEL R., EMRE E. E.
12nd International Symposium on Pharmaceutical Sciences, ISOPS-12, 26 - 29 June 2018, (Summary Text)
- VIII. **1,3,4-THIADIAZOLE DERIVATIVES BEARING BENZYLAMINE MOIETY: SYNTHESIS AND MONOAMINE OXIDASE INHIBITORY ACTIVITY EVALUATION**
KAYA ÇAVUŞOĞLU B., KAPLANCIKLI Z. A., ACAR ÇEVİK U., LEVENT S., OSMANİYE D., ÖZKAY Y., KARADUMAN A. B., SAĞLIK B. N.
isops, 26 - 29 June 2018, (Summary Text)

- IX. SOME NOVEL DITHIOCARBAMATE DERIVATIVES BEARING BENZYLAMINE MOIETY AS MONOAMINE OXIDASE INHIBITORS**
KAYA B., LEVENT S., KARADUMAN A. B., ATLI Ö., ÖZKAY Y., KAPLANCIKLI Z. A.
2nd International Gazi Pharma Symposium Series (GPSS-2017), Ankara, Turkey, 11 - 13 October 2017, (Summary Text)
- X. Monoamine oxidase inhibitory potential of new chalcone derivatives containing piperazine ring**
KAYA B., LEVENT S., SAĞLIK B. N., KARADUMAN A. B., ATLI Ö., ÖZKAY Y., KAPLANCIKLI Z. A.
3rd International Multidisciplinary Symposium on Drug Research and Development'17 (DRD 2017), Erzurum, Turkey, 5 - 07 October 2017, (Summary Text)
- XI. Synthesis and Antimicrobial Activity of Newly Synthesized 2-((5-(4-(5(6)fluoro-1H-benzo[d]imidazol-2-yl)phenyl)-1,3,4-oxadiazol-2-yl)thio) Derivatives**
KARADUMAN A. B., ACAR ÇEVİK U., OSMANİYE D., ÖZKAY Y., ILGIN S.
1st Molecules Medicinal Chemistry Symposium, Barcelona, Spain, 08 September 2017, (Summary Text)
- XII. Selective inhibitory activity against MAO and docking studies of new thiazolyldiazine derivatives**
LEVENT S., OSMANİYE D., KAYA B., SAĞLIK B. N., ATLI Ö., KARADUMAN A. B., ÖZKAY Y., KAPLANCIKLI Z. A.
İVEK 3rd International Convention of Pharmaceuticals and Pharmacies (3. Uluslararası İlaç ve Eczacılık Kongresi, İVEK-2017), İstanbul, Turkey, 26 - 29 April 2017, (Summary Text)
- XIII. Synthesis and biological evaluation of new thiosemicarbazone derivatives as MAO inhibitory agents**
KAYA B., OSMANİYE D., ATLI Ö., KARADUMAN A. B., ÖZKAY Y., KAPLANCIKLI Z. A.
3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, (Summary Text)
- XIV. Synthesis of new thiazolyldiazine derivatives and evaluation of their monoamine oxidase A/B inhibitory activity**
SAĞLIK B. N., LEVENT S., KAYA B., KARADUMAN A. B., ILGIN S., ÖZKAY Y., KAPLANCIKLI Z. A.
İVEK 3rd International Convention of Pharmaceuticals and Pharmacies (3. Uluslararası İlaç ve Eczacılık Kongresi, İVEK-2017), İstanbul, Turkey, 26 - 29 April 2017, (Summary Text)
- XV. Tekrarlayan SSRI İlaç Uygulamalarının Erkek Reprodüktif Sistem Toksikitesinin Sıçanlarda Değerlendirilmesi**
ILGIN S., AYDOĞAN KILIÇ G., BAYSAL M., KILIÇ V., Uçarcan Ş., KARADUMAN A. B., Korkut B.
IV. Toksikoloji Sempozyumu, Eskişehir, Turkey, 21 - 22 January 2017
- XVI. Evaluation of the Reproductive Toxicity of Sertraline in Male Rats**
BAYSAL M., ILGIN S., KILIÇ V., ATLI Ö., AYDOĞAN KILIÇ G., UÇARCAN Ş., KARADUMAN B.
9th Congress of the Turkish Society of Toxicology with the participation of the Hellenic Society of Toxicology (TURKHELTOX), Turkey, 21 - 24 October 2015

Funded Projects

Atlı Eklioğlu Ö., İlgin S., Baysal M., Güven M., Karaduman A. B., Korkut Çelikeş B., Project Supported by Higher Education Institutions, EVALUATION OF THE REPRODUCTIVE TOXIC EFFECTS OF HYPOTHYROIDISM AND LEVOTHYROXINE IN MALE RATS, 2024 - 2026

Osmaniye D., Kaplançıklı Z. A., Özkay Y., Sağlık Özkan B. N., Levent S., Karaduman A. B., Kurban B., Project Supported by Other Official Institutions, Yeni Pirazolin Türevi Bileşiklerin Sentezi ve Antikanser Etkilerinin Araştırılması, 2023 - 2025
Baysal M., Güven M., Korkut Çelikeş B., İlgin S., Atlı Eklioğlu Ö., Karaduman A. B., Project Supported by Higher Education Institutions, Evaluation of possible toxic effects of tartrazine and its main metabolite sulfanilic acid in in vitro systems., 2023 - 2025

Baysal M., Atlı Eklioğlu Ö., İlgin S., Karaduman A. B., Korkut Çelikeş B., Karaca Atsaros H., Özkul Koçak C., Haratı R., Toklu R. D., Project Supported by Higher Education Institutions, 2023 - 2025

İlgin S., Girgin G., Karaduman A. B., Özdemir A. Ö., Aykaç Ö., Project Supported by Higher Education Institutions, 2022 - 2024

ILGIN S., KARADUMAN A. B., BAYSAL M., ATLI EKLIÖĞLU Ö., Project Supported by Higher Education Institutions,

Patent

Acar evik U., Osmaniye D., Özkay Y., Kaplancıklı Z. A., avuşoęlu B. K., Levent S., Saęlık B. N., Igin S., Karaduman A. B., Büyükemir O., et al, BAZI YENİ 4-(2-((5-(SÜBSTİTÜEAMİNO)-1,3,4-TİYADİAZOL-2-İL)TİYO)ASETİL)BENZENSÜLFONAMİD TÜREVLERİ ve SÖZ KONUSU TÜREVLERİN SENTEZİ İİN BİR YÖNTEM, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: 2020/14185 , Standard Registration, 2022
SERKAN L., BEGÜM NURPELİN S., ZAFER ASIM K., DERYA O., ABDULLAH BURAK K., YUSUF Ö., ACAR EVİK U., ATLI EKLOęLU Ö., 2-(SÜBSTİTÜFENİL)-5-(SÜBSTİTÜEHETEROARİL)-1H-BENZİMİDAZOL TÜREVLERİNİN SENTEZİ VE BİYOLOJİK ETKİLERİNİN ARAŞTIRILMASI, Patent, CHAPTER C Chemistry; Metallurgy, 2021

Awards

Acar evik U., Özkay Y., Kaplancıklı Z. A., avuşoęlu B. K., Osmaniye D., Levent S., Saęlık B. N., Atlı Eklioęlu Ö., Karaduman A. B., 6. İstanbul Uluslararası Buluş Fuarı Bronz Madalya, Bilim Sanayi Ve Teknoloji Bakanlıęı, September 2021
Atlı Eklioęlu Ö., Baysal M., Karaduman A. B., Igin S., Kılıç V., poster ödülü, Türk Toksikoloji Derneęi, October 2016