

## Res. Asst. ABDULLAH BURAK KARADUMAN

### Personal Information

**Office Phone:** [+90 222 335 0580](tel:+902223350580) Extension: 3752

**Email:** [abkaraduman@anadolu.edu.tr](mailto:abkaraduman@anadolu.edu.tr)

**Web:** <https://avesis.anadolu.edu.tr/abkaraduman>

### International Researcher IDs

ORCID: 0000-0002-0434-1334

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

ScopusID: 57193391386

Yoksis Researcher ID: 262786

### Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmasötik Toksikoloji (Dr), Turkey 2018 - 2020

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

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

### Research Areas

Pharmaceutical Toxicology

### Academic Titles / Tasks

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

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

- 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 EKİÖĞLU Ö., İLGİN S.

DRUG AND CHEMICAL TOXICOLOGY, 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, 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, vol.75, 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 EKLIÖĞLU 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. K., 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 EKLIÖĞLU 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

- I. **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)
- II. **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 EKLIÖĞLU Ö.  
Anadolu University Health Sciences Institute, vol.2, 2023 (Peer-Reviewed Journal)
- III. **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)

- IV. **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. K., BAYSAL M., KARADUMAN A. B., KAPLANCIKLI Z. A.  
DRUG RESEARCH, vol.67, no.5, pp.275-282, 2017 (ESCI)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis and Biological Activity Studies of New Compounds With Anticancer Effects**  
OSMANIYE D., KARADUMAN A. B., ÖZKAY Y., KAPLANCIKLI Z. A.  
II. INTERNATIONAL EUROPEAN SCIENTIFIC RESEARCH AND TECHNOLOGICAL DEVELOPMENTS CONGRESS,  
Azerbaijan, 26 November 2023
- II. **Evaluation of Toxicity of Some Antiretroviral Drugs and Their Combinations on Sertoli And Leydig Cells**  
BAYSAL M., KARADUMAN A. B., KORKUT ÇELİKATEŞ B., ATLI EKLİOĞLU Ö., ILGIN S.  
11th International Congress of the Turkish Society of Toxicology, Turkey, 02 November 2022
- III. **Reproductive toxic effects and possible mechanisms of zonisamide in male rats**  
KARADUMAN A. B., KILIÇ V., ATLI EKLİOĞLU Ö., BAYSAL M., AYDOĞAN KILIÇ G., UÇARCAN Ş., ILGIN S.  
10th International Congress of the Turkish Society of Toxicology, 16 - 19 October 2019
- IV. **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
- V. **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
- VI. **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
- VII. **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
- VIII. **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
- IX. **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
- X. **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

- XI. **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
- 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
- XIII. **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
- XIV. **Tekrarlayan SSRI İlaç Uygulamalarının Erkek Reprodüktif Sistem Toksisitesinin 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

## Supported Projects

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., 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

KARADUMAN A. B., ILGIN S., BAYSAL M., ATLI EKLIÖĞLU Ö., Project Supported by Higher Education Institutions, Sitalopramın Reprodüktif Toksisitesinin Değerlendirilmesi, 2016 - 2017