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Kişisel Bilgiler

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Yoksis Araştırmacı ID: 17950

Eğitim Bilgileri

Doktora, Gazi Üniversitesi, Sağlık Bilimleri Enstitüsü, -, Türkiye 1994 - 2000

Yüksek Lisans, Gazi Üniversitesi, Sağlık Bilimleri Enstitüsü, Türkiye 1991 - 1994

Lisans, Gazi Üniversitesi, Eczacılık Fakültesi, Türkiye 1986 - 1991

Yabancı Diller

İngilizce, C1 İleri

Sertifika, Kurs ve Eğitimler

Eğitim Yönetimi ve Planlama, Eğitimcilerin Eğitimi, Erzincan Binali Yıldırım Üniversitesi, 2021

Yaptığı Tezler

Doktora, Bazı 1,2-Disüstitüe Benzimidazol Türevlerinin Platin(II) Kompleksleri Üzerinde Çalışmalar, Erzincan Binali Yıldırım Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2000

Yüksek Lisans, Bazı 5-Süstitüe-2-Hidroksimetilbenzimidazol Türevlerinin Platin(II) Kompleksleri Üzerinde Çalışmalar, Erzincan Binali Yıldırım Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1994

Araştırma Alanları

Farmasötik Kimya

Akademik Unvanlar / Görevler

Prof. Dr., Erzincan Binali Yıldırım Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2021 - Devam Ediyor

Verdiği Dersler

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Structure-based inhibition of acetylcholinesterase and butyrylcholinesterase with 2-Aryl-6-carboxamide benzoxazole derivatives: synthesis, enzymatic assay, and in silico studies**
Kuzu B., ALAGÖZ M. A., Demir Y., GÜLÇİN İ., BURMAOĞLU S., Algul O.
Molecular Diversity, cilt.29, sa.1, ss.671-693, 2025 (SCI-Expanded)
- II. **Exploring new 5-Nitroimidazole Derivatives as Potent Acetylcholinesterase and Butyrylcholinesterase Enzyme Inhibitors**
Gursoy Ş., Satıcı D., Kuzu B., Turkmenoglu B., Dilek E., Algul Ö.
Chemistry and Biodiversity, cilt.21, sa.10, 2024 (SCI-Expanded)
- III. **From Deep Learning to the Discovery of Promising VEGFR-2 Inhibitors**
YÜCEL M. A., Adal E., Aktekin M. B., Hepokur C., Gambacorta N., Nicolotti O., ALGÜL Ö.
ChemMedChem, cilt.19, sa.16, 2024 (SCI-Expanded)
- IV. **Investigation of Some Metabolic Enzyme Inhibition Properties of Novel Chalcone-Cu Complexes**
Ebiri R., Turgut M., Aktas Anil D., Demir Y., Sağlantas R., Abdullah Alagoz M., Algul O., BURMAOĞLU S.
ChemistrySelect, cilt.9, sa.27, 2024 (SCI-Expanded)
- V. **Hydrazide-Bridged Pyridazines for Cholinesterase Inhibitors: Synthesis, Characterizations, In Silico, and In Vitro Evaluation**
Gürsoy Ş., Taşkor Önel G., Türkmenoğlu B., Bozbey Merde İ., Dilek E., Özsoy C., Algül Ö.
CHEMISTRYSELECT, cilt.9, sa.e202400085, ss.1-12, 2024 (SCI-Expanded)
- VI. **Assessing the Antiangiogenic Effects of Chalcones and Their Derivatives**
BURMAOĞLU S., Gobek A., ANIL D., ALAGÖZ M. A., Guner A., Güler C., Hepokur C., Karabay Yavasoglu N. U., Algul O.
Polycyclic Aromatic Compounds, cilt.44, sa.1, ss.51-66, 2024 (SCI-Expanded)
- VII. **Deep learning approach to the discovery of novel bisbenzazole derivatives for antimicrobial effect**
Barcin T., Yücel M. A., Ersan R. H., Alagoz M. A., Dogen A., Burmaoglu S., Algul O.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1295, ss.136668-136679, 2024 (SCI-Expanded)
- VIII. **Machine learning study: from the toxicity studies to tetrahydrocannabinol effects on Parkinson's disease**
YÜCEL M. A., Ozcelik İ., ALGÜL Ö.
Future medicinal chemistry, cilt.15, sa.4, ss.365-377, 2023 (SCI-Expanded)
- IX. **2-Phenyl substituted Benzimidazole derivatives: Design, synthesis, and evaluation of their antiproliferative and antimicrobial activities**
Ersan R. H., Kuzu B., Yetkin D., ALAGÖZ M. A., Dogen A., BURMAOĞLU S., Algul O.
Medicinal Chemistry Research, cilt.31, sa.7, ss.1192-1208, 2022 (SCI-Expanded)
- X. **Synthesis, molecular docking and some metabolic enzyme inhibition properties of biphenyl-substituted chalcone derivatives**
BURMAOĞLU S., Kazancioglu E. A., Kazancioglu M. Z., Sağlantaş R., Yalcin G., GÜLÇİN İ., Algul O.
Journal of Molecular Structure, cilt.1254, 2022 (SCI-Expanded)
- XI. **Synthesis, Biological Evaluation and In Silico Studies of Some 2-Substituted Benzoxazole Derivatives as Potential Anticancer Agents to Breast Cancer**
Kuzu B., Hepokur C., ALAGÖZ M. A., BURMAOĞLU S., Algul O.
ChemistrySelect, cilt.7, sa.1, 2022 (SCI-Expanded)
- XII. **Bisbenzoxazole Derivatives: Design, Synthesis, in Vitro Antimicrobial, Antiproliferative Activity, and Molecular Docking Studies**
Ersan R. H., ALAGÖZ M. A., Dogen A., Duran N., BURMAOĞLU S., Algul Ö.
POLYCYCLIC AROMATIC COMPOUNDS, cilt.42, sa.6, ss.3103-3123, 2022 (SCI-Expanded)
- XIII. **Synthesis, In Vitro Biological Evaluation, and Molecular Docking Studies of Novel Biphenyl Chalcone**

Derivatives as Antimicrobial Agents

BURMAOĞLU S., Kazancioglu E. A., Kazancioglu M. Z., ALAGÖZ M. A., Dogen A., Algul Ö.
POLYCYCLIC AROMATIC COMPOUNDS, cilt.42, sa.9, ss.5948-5961, 2022 (SCI-Expanded)

- XIV. **Design, synthesis and antiproliferative activity evaluation of fluorine-containing chalcone derivatives**
BURMAOĞLU S., ANIL D., Gobek A., KILIÇ D., Yetkin D., Duran N., Algul Ö.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, cilt.40, sa.8, ss.3525-3550, 2022 (SCI-Expanded)
- XV. **Revisit to the synthesis of 1,2,3,4-tetrasubstituted pyrrole derivatives in lactic acid media as a green solvent and catalyst**
AKBAŞLAR D., Giray E. S., Algul Ö.
MOLECULAR DIVERSITY, cilt.25, sa.4, ss.2321-2338, 2021 (SCI-Expanded)
- XVI. **Bisbenzimidazole Derivatives as Potential Antimicrobial Agents: Design, Synthesis, Biological Evaluation and Pharmacophore Analysis**
Ersan R. H., BOLELLİ K., Gonca S., Dogen A., BURMAOĞLU S., Algul Ö.
PHARMACEUTICAL CHEMISTRY JOURNAL, cilt.55, sa.2, ss.149-158, 2021 (SCI-Expanded)
- XVII. **Synthesis of Benzoxazole-2-carboxylate Derivatives: Electronic- and Position-effect of Functional Groups and Computational Modeling of the Selectivity for Oxazole Ring**
Kuzu B., Sari O., ERDEM S., Algul Ö., Mengeş N.
CHEMISTRYSELECT, cilt.6, sa.10, ss.2529-2538, 2021 (SCI-Expanded)
- XVIII. **One-pot synthesis of novel benzimidazoles with a naphthalene moiety as antimicrobial agents and molecular docking studies**
Ersan R. H., Yuksel A., Ertan-Bolelli T., Dogen A., BURMAOĞLU S., Algul Ö.
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, cilt.68, sa.2, ss.374-383, 2021 (SCI-Expanded)
- XIX. **Investigation of New Benzimidazole Derivative Compounds' Effects on A549 Cell Line**
Duran G. G., Kucuk M. U., Algul Ö., Terzi M. Y.
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, cilt.63, 2020 (SCI-Expanded)
- XX. **Synthesis of New Alicyclic Oxalamide Derivatives and Their Differential Immunomodulatory Activities on the Mammalian Cells**
Kuzu B., Ayaz F., Algul Ö.
JOURNAL OF HETEROCYCLIC CHEMISTRY, cilt.56, sa.7, ss.1946-1952, 2019 (SCI-Expanded)
- XXI. **Symmetric bis-benzoxazole-based chemicals exerted anti-inflammatory effect on danger signal LPS-stimulated macrophages**
Ayaz F., Ersan R. H., Algul Ö.
MONATSHEFTE FÜR CHEMIE, cilt.150, sa.6, ss.1137-1146, 2019 (SCI-Expanded)
- XXII. **Bisbenzoxazole derivatives had an antiinflammatory effect on in vitro stimulated macrophages**
Ayaz F., Kheeree R., Isse Q. A., Ersan R. H., Algul Ö.
TURKISH JOURNAL OF CHEMISTRY, cilt.43, sa.3, ss.963-977, 2019 (SCI-Expanded)
- XXIII. **Molecular docking studies on fluoro-substituted chalcones as potential DprE1 enzyme inhibitors**
Yalcin G., BURMAOĞLU S., Yildiz I., Algul Ö.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1164, ss.50-56, 2018 (SCI-Expanded)
- XXIV. **Synthesis and biological evaluation of phloroglucinol derivatives possessing -glycosidase, acetylcholinesterase, butyrylcholinesterase, carbonic anhydrase inhibitory activity**
BURMAOĞLU S., YILMAZ A. B., Taslimi P., Algul Ö., Kilic D., GÜLÇİN İ.
ARCHIV DER PHARMAZIE, cilt.351, sa.2, 2018 (SCI-Expanded)
- XXV. **Design of potent fluoro-1substituted chalcones as antimicrobial agents**
Burmaoglu S., Algul Ö., Gobek A., Anil D. A., Ulger M., Erturk B. G., Kaplan E., Dogen A., Aslan G.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.32, sa.1, ss.490-495, 2017 (SCI-Expanded)
- XXVI. **Synthesis and anti-proliferative activity of fluoro-substituted chalcones**
Burmaoglu S., ALGUL Ö., ANIL D., GOBEK A., DURAN G., ERSAN R., DURAN N.
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, cilt.26, sa.13, ss.3172-3176, 2016 (SCI-Expanded)
- XXVII. **Synthesis, cytotoxicity and carbonic anhydrase inhibitory activities of new pyrazolines**

- Kucukoglu K., Oral F., Aydin T., Yamali C., Algul Ö., Sakagami H., GÜLÇİN İ., Supuran C. T., GÜL H. İ.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.31, ss.20-24, 2016 (SCI-Expanded)
- XXVIII. **Synthesis and Antifungal Evaluation of 1-Aryl-2-dimethylaminomethyl-2-propen-1-one Hydrochlorides**
METE E., GÜL H. İ., Bilginer S., Algul Ö., Topaloglu M. E., GÜLLÜCE M., KAZAZ C.
MOLECULES, cilt.16, sa.6, ss.4660-4671, 2011 (SCI-Expanded)
- XXIX. **2-(4-Methoxy-2-methylanilino)-1,2-diphenylethanone**
Arslan H., Algul Ö., Zirek S., Tari O., Demircan A., Hardcastle K. I.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, cilt.67, 2011 (SCI-Expanded)
- XXX. **2,4-Diamino-5-(2'-arylpropargyl)pyrimidine derivatives as new nonclassical antifolates for human dihydrofolate reductase inhibition**
Algul Ö., Paulsen J. L., Anderson A. C.
JOURNAL OF MOLECULAR GRAPHICS & MODELLING, cilt.29, sa.5, ss.608-613, 2011 (SCI-Expanded)
- XXXI. **Comparative studies on conventional and microwave-assisted synthesis of a series of 2,4-di and 2,3,4-trisubstituted benzimidazol[1,2-a] pyrimidines and their antimicrobial activities**
Algul Ö., Meric A., Polat S., Yuksek N. D., Serin M. S.
CENTRAL EUROPEAN JOURNAL OF CHEMISTRY, cilt.7, sa.3, ss.337-342, 2009 (SCI-Expanded)
- XXXII. **Vibrational spectroscopy investigation using ab initio and density functional theory analysis on the structure of 3-(6-benzoyl-2-oxobenzo[d]oxazol-3(2H)-yl)propanoic acid**
Arslan H., Algul Ö., Onkol T.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.70, sa.3, ss.606-614, 2008 (SCI-Expanded)
- XXXIII. **Vibrational spectrum and assignments of 2-(4-methoxyphenyl)-1 H-benzo[d]imidazole by ab initio Hartree-Fock and density functional methods**
Arslan H., Algul Ö.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.70, sa.1, ss.109-116, 2008 (SCI-Expanded)
- XXXIV. **Design, synthesis and biological evaluation of bis(hydroxyphenyl) azoles as potent and selective non-steroidal inhibitors of 17 beta-hydroxysteroid dehydrogenase type 1 (17 beta-HSD1) for the treatment of estrogen-dependent diseases**
Bey E., Marchais-Oberwinkler S., Kruchten P., Frotscher M., Werth R., Oster A., Algul Ö., Neugebauer A., Hartmann R. W.
BIOORGANIC & MEDICINAL CHEMISTRY, cilt.16, sa.12, ss.6423-6435, 2008 (SCI-Expanded)
- XXXV. **Comparative studies on conventional and microwave synthesis of some benzimidazole, benzothiazole and indole derivatives and testing on inhibition of hyaluronidase**
Algul Ö., Kaessler A., Apcin Y., Yilmaz A., Jose J.
MOLECULES, cilt.13, sa.4, ss.736-748, 2008 (SCI-Expanded)
- XXXVI. **Synthesis and Ab Initio/DFT Studies on 2-(4-methoxyphenyl)benzo[d]thiazole**
Arslan H., Algul Ö.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, cilt.8, sa.8, ss.760-776, 2007 (SCI-Expanded)
- XXXVII. **Activity of bisbenzimidazoles derivatives to Staphylococcus epidermidis**
Algul Ö., Duran N.
ASIAN JOURNAL OF CHEMISTRY, cilt.19, sa.4, ss.3145-3151, 2007 (SCI-Expanded)
- XXXVIII. **Synthesis and evaluation of antimicrobial activity of some 1,5(6)-H/or -methyl-2-substituted benzimidazole derivatives**
Algul Ö., Duran N., Gulbol G.
ASIAN JOURNAL OF CHEMISTRY, cilt.19, sa.4, ss.3085-3092, 2007 (SCI-Expanded)
- XXXIX. **Structural and spectral studies on 3-(6-benzoyl-5-chloro-2-benzoxazolinon-3-yl) propanoic acid**
Arslan H., Algul Ö., Dundar Y.
VIBRATIONAL SPECTROSCOPY, cilt.44, sa.2, ss.248-255, 2007 (SCI-Expanded)
- XL. **Theoretical studies of molecular structure and vibrational spectra of 2-ethyl-1H-benzo[d]imidazole**

- Arslan H., Algul Ö.
ASIAN JOURNAL OF CHEMISTRY, cilt.19, sa.3, ss.2229-2235, 2007 (SCI-Expanded)
- XLII. **A microplate based screening of benzimidazole derivatives on hyaluronidase inhibition at PH 7 and 3.5**
Kaessler A., Algul Ö., Jose J.
LETTERS IN DRUG DESIGN & DISCOVERY, cilt.4, sa.8, ss.562-569, 2007 (SCI-Expanded)
- XLII. **Synthesis, characterization and genotoxicity of platinum(II) complexes with substituted benzimidazole ligands**
Algul Ö., Ozcelik B., Abbasoglu U., Gumus F.
TURKISH JOURNAL OF CHEMISTRY, cilt.29, sa.6, ss.607-615, 2005 (SCI-Expanded)
- XLIII. **Synthesis, cytotoxic activity on MCF-7 cell line and mutagenic activity of platinum(II) complexes with 2-substituted benzimidazole ligands**
Gumus F., Algul Ö., EREN G., Eorglu H., Diril N., Gur S., Ozkul A.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, cilt.38, sa.5, ss.473-480, 2003 (SCI-Expanded)
- XLIV. **DNA binding studies with cis-dichlorobis (5(6)-non/chlorosubstituted-2-hydroxymethyl-benzimidazole) platinum(II) complexes**
Gumus F., Algul Ö.
JOURNAL OF INORGANIC BIOCHEMISTRY, cilt.68, sa.1, ss.71-74, 1997 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Synthesis and antitubercular activities of acetamide-substituted benzazole derivatives**
GÜRSOY Ş., Öztürk E. Ş., Zoatier B., ÜLGER M., ALGÜL Ö.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.17, 2024 (Hakemli Dergi)
- II. **Novel oxalamide derivatives for COXs expression and breast cancer: design, synthesis, biological evaluation, and docking studies**
Kuzu B., Hepokur C., Algul O.
Organic Communications, cilt.16, sa.3, ss.152-165, 2023 (ESCI)
- III. **Immunomodulatory and immunostimulatory effects of some bisbenzoxazole derivatives on lipopolysaccharide stimulated mammalian macrophages**
Ayaz F., Isse Q. A., Kheeree R., Ersan R. H., Algul Ö.
JOURNAL OF RESEARCH IN PHARMACY, cilt.23, sa.5, ss.944-951, 2019 (ESCI)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Synthesis of Chalcone-Pyrrol Hybrid Derivatives and Investigation of Their Antiproliferative Effects**
Gürsoy Ş., Yücel M. A., Yıldıztekin K. G., Türkmenoğlu B., Polat M. F., Algül Ö.
12. International Drug Chemistry Conference, Antalya, Türkiye, 7 - 10 Mart 2024, ss.104-108
- II. **Synthesis of Benzoxazole Derivatives and Investigation of Their mTOR Inhibitor Activities**
Çolak S., Gürsoy Ş., Kuzu B., Türkmenoğlu B., Burmaoğlu S., Algül Ö.
12. International Drug Chemistry Conference, Antalya, Türkiye, 7 - 10 Mart 2024, ss.104-108
- III. **Screening of JAK-2 Inhibitors with Machine Learning**
YÜCEL M. A., ALGÜL Ö.
2.Computer-Aided Drug Design Symposium and Workshop, İstanbul, Türkiye, 11 - 12 Mayıs 2022
- IV. **Screening of β 2-Receptor Inhibitors with Machine Learning**
YÜCEL M. A., ALGÜL Ö.
10. İlaç Kimyası Kongresi, Antalya, Türkiye, 10 Mart 2021, ss.96-99

Metrikler

Yayın: 52

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Atıf (Scopus): 590

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H-İndeks (Scopus): 14

Akademi Dışı Deneyim

University of Connecticut, Arařtırmacı

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