

Res. Asst. EBRU KOÇAK ASLAN

Personal Information

Office Phone: [+90 312 305 1872](tel:+903123051872)

Email: ebrukocak@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/ebrukocak>

Address: Hacettepe Üniversitesi Eczacılık Fakültesi Farmasötik Kimya Anabilim Dalı Sıhhiye/Ankara

International Researcher IDs

ORCID: 0000-0003-0191-0746

Yoksis Researcher ID: 255525

Education Information

Doctorate, Hacettepe University, Eczacılık Fakültesi, Farmasötik Kimya, Turkey 2018 - 2024

Postgraduate, Hacettepe University, Eczacılık Fakültesi, Farmasötik Kimya, Turkey 2015 - 2018

Undergraduate, Hacettepe University, Eczacılık Fakültesi, Turkey 2009 - 2014

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Bazı 5-Kloro-2-benzoksazololonon Tiyosemikarbazit, 1,3,4-Tiyadiazol ve 1,2,4-Triazol-5-tyon Türevleri Üzerinde Çalışmalar, Hacettepe Üniversitesi, Eczacılık Fakültesi, Farmasötik Kimya, 2018

Research Areas

Health Sciences, Pharmacology and Therapeutics, Professional Sciences, Pharmaceutical Chemistry

Academic Titles / Tasks

Research Assistant, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2016 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Synthesis, molecular modeling, DFT studies, and EPR analysis of 1,4-dihydropyridines as potential calcium channel blockers**
KOÇAK ASLAN E., Lam K., DENGİZ Ç., Denzinger K., Dicle Erdamar I. Y., Huang S., Zamponi G. W., Wolber G., GÜNDÜZ M. G.
Journal of Molecular Structure, vol.1307, 2024 (SCI-Expanded)
- Biginelli dihydropyrimidines carrying azole rings: Synthesis, computational studies, and evaluation**

of alpha-glucosidase inhibitory and antimicrobial activities

KOÇAK ASLAN E., Armačić S. J., Armačić S., ÖZENVER N., ÖZKUL KOÇAK C., GÜNDÜZ M. G.
Journal of Molecular Structure, vol.1306, 2024 (SCI-Expanded)

- III. **Synthesis and Biological Evaluation of Benzoxazolone–Thiosemicarbazide, 1,2,4-Triazole, 1,3,4-Thiadiazole Derivatives as Cholinesterase Inhibitors**
KOÇAK ASLAN E., SAĞLIK B. N., ÖZKAY Y., PALASKA E.
ChemistrySelect, vol.8, no.35, 2023 (SCI-Expanded)
- IV. **Isoniazid Linked to Sulfonate Esters via Hydrazone Functionality: Design, Synthesis, and Evaluation of Antitubercular Activity**
KOÇAK ASLAN E., HAN M. İ., Krishna V. S., Tamhaev R., DENGİZ Ç., DOĞAN Ş. D., Lherbet C., Mourey L., Tønjum T., GÜNDÜZ M. G.
Pharmaceuticals, vol.15, no.10, 2022 (SCI-Expanded)
- V. **Linking azoles to isoniazid via hydrazone bridge: Synthesis, crystal structure determination, antitubercular evaluation and computational studies**
KOÇAK ASLAN E., Krishna V. S., Armačić S. J., Armačić S., Şahin O., Tønjum T., GÜNDÜZ M. G.
Journal of Molecular Liquids, vol.354, 2022 (SCI-Expanded)
- VI. **Potential of nafimidone derivatives against co-morbidities of epilepsy: In vitro, in vivo, and in silico investigations**
SARI S., BARUT B., Marcinkowska M., SABUNCUOĞLU S., AVCI A., KOÇAK ASLAN E., ÖZEL A., Siwek A.
DRUG DEVELOPMENT RESEARCH, vol.83, no.1, pp.184-193, 2022 (SCI-Expanded)
- VII. **Azoles containing naphthalene with activity against Gram-positive bacteria: in vitro studies and in silico predictions for flavohemoglobin inhibition**
SARI S., SABUNCUOĞLU S., KOÇAK ASLAN E., AVCI A., KART D., ÖZDEMİR Z., Acar M. F., Sayoglu B., ALAGÖZ M. A., KARAKURT A., et al.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.40, no.20, pp.10220-10229, 2022 (SCI-Expanded)
- VIII. **Attaching azoles to Hantzsch 1,4-dihydropyridines: Synthesis, theoretical investigation of nonlinear optical properties, antimicrobial evaluation and molecular docking studies**
GÜNDÜZ M. G., DENGİZ Ç., KOÇAK ASLAN E., Skaro Bogojevic S., Nikodinovic-Runic J.
JOURNAL OF MOLECULAR STRUCTURE, vol.1247, 2022 (SCI-Expanded)
- IX. **Azole derivatives with naphthalene showing potent antifungal effects against planktonic and biofilm forms of Candida spp.: an in vitro and in silico study**
SARI S., Kocak E., KART D., ÖZDEMİR Z., ACAR M., Sayoglu B., KARAKURT A., DALKARA S.
INTERNATIONAL MICROBIOLOGY, vol.24, no.1, pp.93-102, 2021 (SCI-Expanded)
- X. **Antibacterial azole derivatives: Antibacterial activity, cytotoxicity, and in silico mechanistic studies**
SARI S., AVCI A., Kocak E., KART D., SABUNCUOĞLU S., DOĞAN İ. S., ÖZDEMİR Z., BOZBEY İ., KARAKURT A., Sarac S., et al.
DRUG DEVELOPMENT RESEARCH, vol.81, no.8, pp.1026-1036, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **In silico Repurposing of Drugs for pan-HDAC and pan-SIRT Inhibitors: Consensus Structure-based Virtual Screening and Pharmacophore Modeling Investigations**
SARI S., AVCI A., Aslan E.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.18, no.6, pp.730-737, 2021 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **SYNTHESIS AND ANTIMICROBIAL ACTIVITIES OF SOME 5-CHLORO-2-BENZOXAZOLONE DERIVATES**
KART D., KOÇAK E., PALASKA E.

Supported Projects

PALASKA E., TÜYLÜ KÜÇÜKKILINÇ Z. T., KOÇAK ASLAN E., Project Supported by Higher Education Institutions, Yeni naftalen-triazol türevlerinin sentezi ve biyolojik aktivite çalışmaları, 2022 - 2023

PALASKA E., KOÇAK ASLAN E., TÜYLÜ KÜÇÜKKILINÇ Z. T., Project Supported by Higher Education Institutions, Alzheimer Hastalığı Tedavisinde Kullanılabilecek Yeni 1,2,4-Triazol Türevi Bileşiklerin Sentez ve Aktivite Çalışmaları, 2019 - 2021

PALASKA E., KOÇAK E., Project Supported by Higher Education Institutions, Bazı 5-Kloro-2-benzoksazolinon Tiyosemikarbazit, 1,3,4-Tiyadiazol ve 1,2,4-Triazol-5-tiyon Türevleri Üzerinde Çalışmalar, 2017 - 2018

Metrics

Publication: 12

Citation (WoS): 6

Citation (Scopus): 45

H-Index (WoS): 2

H-Index (Scopus): 5