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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: HTM-7751-2023

Yoksis Researcher ID: 388877

Education Information

Doctorate, Karadeniz Technical University, Eczacılık Fakültesi, Temel Eczacılık, Turkey 2024 - Continues

Postgraduate, Karadeniz Technical University, Sağlık Bilimleri Enstitüsü, Turkey 2021 - 2023

Research Areas

Pharmacology and Therapeutics

Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Eczacılık Fakültesi, Temel Eczacılık, 2023 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The synthesis and therapeutic effect of silicon(IV) phthalocyanines for colorectal cancer cells in photodynamic therapy by altering Wnt/β-catenin and apoptotic signaling**
Barut B., Barut E. N., Yalçın C. Ö., Altun Ali Y., Akkaya D., Seyhan G., Engin S., Biyiklioğlu Z.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A: CHEMISTRY, no.453, pp.115663, 2024 (SCI-Expanded)
- II. **Nonperipherally and peripherally substituted water-soluble magnesium (II) phthalocyanines and their DNA binding, nuclease activities**
BARUT B., SEYHAN G., KELEŞ T., Kulein B., BIYIKLIOĞLU Z.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.38, no.5, 2024 (SCI-Expanded)
- III. **In vitro and in silico investigation of FDA-approved drugs to be repurposed against Alzheimer's disease**
Akkaya D., Seyhan G., Sarı S., Barut B.
DRUG DEVELOPMENT RESEARCH, no.17968444, pp.1-10, 2024 (SCI-Expanded)
- IV. **Effective α-glycosidase inhibitors based on polyphenolic benzothiazole heterocycles**
Sevimli E., Seyhan G., Akkaya D., Sarı S., Barut B., Köksoy B.
BIOORGANIC CHEMISTRY, no.147, pp.107366, 2024 (SCI-Expanded)
- V. **AChE/BuChE inhibitory, DNA nuclease and cytotoxic properties of axially 5-[6-(benzyloxy)-2H-1,3-benzoxazin-3(4H)-yl]pentanoxy and 5-[6-(hexyloxy)-2H-1,3-benzoxazin-3(4H)-yl]pentanoxy substituted silicon phthalocyanines**

- Büyükköprü Z., Seyhan G., Öztürmen B. A., Kolci K., Reis R., Barut B.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.1003, 2023 (SCI-Expanded)
- VI. Insights into the Biological Activity and Cytotoxic Mechanism of *<Epimedum pubigerum>*
SEYHAN G., AKKAYA D., KOLCİ K., REIS R., YAZICI BEKTAŞ N., BARUT E. N., BARUT B.
CHEMISTRY & BIODIVERSITY, vol.20, 2023 (SCI-Expanded)
- VII. Novel different furoic acid-linked axial silicon phthalocyanines: Design, syntheses, cholinesterases,
tyrosinase inhibitory, and DNA damage studies
Yalazan H., AKKAYA D., Seyhan G., BARUT B., KANTEKİN H.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.37, no.4, 2023 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. DNA binding and nuclease properties of magnesium (II) phthalocyanines
Barut B., Seyhan G., Kulein B., Keleş T., Büyükköprü Z.
6th International Eurasian Conference on Biological and Chemical Sciences, 11 - 13 October 2023, pp.48
- II. In vitro investigation of biological activities of *Epimedum pubigerum* (DC.) Moren & Decne
Seyhan G., Akkaya D., Reis R., Kolci K., Yazıcı Bektaş N., Barut E. N., Barut B.
International Multidisciplinary Symposium on Drug Research and Development - DRD 2023, İzmir, Turkey, 4 - 06 May 2023, pp.271
- III. Aksiyal disübstitüe silisyum ftalosiyanlerin sentezi ve asetil/butirilkolin esteraz enzimlerine karşı inhibisyon özellikleri
Öztürmen B. A., Büyükköprü Z., Barut B., Seyhan G.
XXI. Kromatografi Kongresi, Aydın, Turkey, 14 - 16 June 2023, pp.43

Memberships / Tasks in Scientific Organizations

Turkish Biochemical Society, Member, 2023 - Continues, Turkey

Scientific Refereeing

TURKISH JOURNAL OF BIOCHEMISTRY, Journal Indexed in SCI-E, April 2024

Scientific Research / Working Group Memberships

Biopharmacy Research Group, Karadeniz Technical University, Türkiye, <https://avesis.ktu.edu.tr/arastirma-grubu/bprg>,
2024 - Continues

Congress and Symposium Activities

6th International Eurasian Conference of Biological and Chemical Sciences (EurasianBioChem), Attendee, Ankara, Turkey, 2023

International Multidisciplinary Symposium on Drug Research and Development (DRD) 2023, Attendee, İzmir, Turkey, 2023

Scholarships

2210-A Yurt İçi Genel Yüksek Lisans Burs Programı, TUBITAK, 2022 - 2023