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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Turkey 2023 - Continues

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

Postgraduate, Aydin Adnan Menderes University, Graduate School Of Natural And Applied Sciences, Turkey 2020 - 2021

Undergraduate, Aydin Adnan Menderes University, Faculty Of Arts And Sciences, Turkey 2014 - 2020

Research Areas

Natural Sciences

Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Fen Fakültesi, Kimya, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis and comparison of the performance of two different water-soluble phthalocyanine based electrochemical biosensor**
Kocak M., OSMANOĞULLARI S. C., Soylar D., ÖZTÜRME B. A., BEKİRCAN O., BIYIKLIOĞLU Z., Soylemez S.
BIOELECTROCHEMISTRY, vol.160, 2024 (SCI-Expanded)
- II. **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**
Biyiklioğlu Z., Seyhan G., Öztürme B. A., Kolci K., Reis R., Barut B.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.1003, 2023 (SCI-Expanded)
- III. **Synthesis of water soluble cobalt(II), copper(II) phthalocyanines and their usage as a catalyst in the photoxidation of benzyl alcohol in biphasic catalysis**
Arin Öztürme B. A., Akkol Ç., Saka E. T., Biyiklioğlu Z.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.158, 2023 (SCI-Expanded)
- IV. **Synthesis, characterization, and alpha-glucosidase, cholinesterases, and tyrosinase inhibitory effects of axial substituted silicon and peripheral tetra-substituted copper (II), manganese (III) phthalocyanines**
Ozturme B. A., BARUT B., BIYIKLIOĞLU Z.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.36, no.8, 2022 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis of Novel Phthalocyanines and Their Usage as a Catalyst in the Photooxidation of Benzyl Alcohol**
Bıyıklıođlu Z., Saka E. T., Öztürmen B. A., Akkol Ç.
5th Eurasia Biochemical Approaches and Technologies Congress (EBAT), Antalya, Turkey, 2 - 05 November 2023, pp.44
- II. **Aksiyal Disübstitüe Silisyum Ftalosiyeninlerin Sentezi ve Asetil/Butirilkolin Esteraz Enzimlerine Karşı İnhibisyon Özellikleri**
Öztürmen B. A., Bıyıklıođlu Z., Barut B., Seyhan G.
Kromatografi XXI, Aydın, Turkey, 14 - 16 June 2023, pp.13
- III. **Synthesis and α -glucosidase, cholinesterases, tyrosinase enzyme inhibition properties of silicon(IV), copper(II), manganese(III) phthalocyanines**
Öztürmen B. A., Barut B., Bıyıklıođlu Z.
4th Eurasia Biochemical Approaches and Technologies (EBAT) Congress, Antalya, Turkey, 3 - 06 November 2022, pp.97

Supported Projects

BARUT B., BIYIKLIOĐLU Z., BARUT E. N., SEYHAN G., ÖZTÜRMEEN B. A., Project Supported by Higher Education Institutions, Piridin Grubu İçeren Silisyum Ftalosiyeninlerin Akciđer Kanseri Hücre Hattında in vitro FDT Özelliklerinin ve Apoptotik Yolakla İlişkinin İncelenmesi, 2024 - Continues

BIYIKLIOĐLU Z., KANTEKİN H., KESMEZ Ö., BAŞ H., AKKOL Ç., YALAZAN H., FAZLI H., SAKA E. T., ÖZTÜRMEEN B. A., KELEŞ T., Project Supported by Higher Education Institutions, Çevre Dostu Yeni Makromoleküller ve Fotokatalitik Uygulamaları, 2022 - 2024

Metrics

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