

## Res. Asst. GÖKÇE SEYHAN

### Personal Information

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### International Researcher IDs

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

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### Education Information

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

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

### Dissertations

Postgraduate, Epimedium pubigerum (DC.) C. Moren & Decne Bitkisinin Biyolojik Etkinliklerinin İncelenmesi, Karadeniz Technical University, Eczacılık Fakültesi, Temel Eczacılık, 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. Non-aggregated and water soluble non-peripherally octa substituted Co(II) and Cu(II) phthalocyanines: Synthesis and  $\alpha$ -glucosidase inhibitory effects**  
BIYIKLIOĞLU Z., Bas H., SEYHAN G., BARUT B.  
JOURNAL OF INORGANIC BIOCHEMISTRY, vol.257, 2024 (SCI-Expanded)
- II. The synthesis and therapeutic effect of silicon(IV) phthalocyanines for colorectal cancer cells in photodynamic therapy by altering Wnt/13-catenin and apoptotic signaling**  
BARUT B., BARUT E. N., YALÇIN C. Ö., Ali Y. A., AKKAYA D., SEYHAN G., ENGİN S., BIYIKLIOĞLU Z.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.453, 2024 (SCI-Expanded)
- III. Synthesis and cholinesterases inhibitory effects of water soluble zinc(II) and silicon(IV) phthalocyanines bearing ( $\{8-[3-(dimethylamino)phenoxy]octyl\}oxy$ ) groups**  
Usta B., Seyhan G., Akkaya D., Barut B., Biyiklioğlu Z., Özel A.  
APPLIED ORGANOMETALLIC CHEMISTRY, no.x, pp.1-10, 2024 (SCI-Expanded)

- IV. **Evaluation of Hedera species as herbal medicine raw materials.**  
Gökkaya İ., Yazıcı N., Seyhan G., Cakir O., Yilmaz M. A., Barut B., Renda G.  
Natural product research, no.x, pp.1-8, 2024 (SCI-Expanded)
- V. **Effective  $\alpha$ -glycosidase inhibitors based on polyphenolic benzothiazole heterocycles**  
Sevimli E., SEYHAN G., AKKAYA D., SARI S., BARUT B., Koksoy B.  
BIOORGANIC CHEMISTRY, vol.147, 2024 (SCI-Expanded)
- VI. **In vitro and in silico investigation of FDA-approved drugs to be repurposed against Alzheimer's disease**  
Akkaya D., Seyhan G., Sari S., Barut B.  
DRUG DEVELOPMENT RESEARCH, vol.85, no.3, 2024 (SCI-Expanded)
- VII. **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)
- VIII. **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**  
Biyıklioğlu Z., Seyhan G., Öztürmen B. A., Kolci K., Reis R., Barut B.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.1003, 2023 (SCI-Expanded)
- IX. **Insights into the Biological Activity and Cytotoxic Mechanism of *Epimedium pubigerum***  
SEYHAN G., AKKAYA D., KOLCİ K., REIS R., YAZICI BEKTAŞ N., BARUT E. N., BARUT B.  
CHEMISTRY & BIODIVERSITY, vol.20, 2023 (SCI-Expanded)
- X. **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. **Suda Çözünebilen ve Agregasyon Göstermeyen Non-periferal Okta-sübtitüe Kobalt(II), Bakır(II) Ftalosiyanınların Sentezi ve  $\alpha$ -glukosidaz İnhibitör Etkilerinin İncelenmesi**  
Baş H., Biyıklioğlu Z., Seyhan G., Barut B.  
IX. Ulusal Anorganik Kimya Kongresi, Ankara, Turkey, 16 - 19 May 2024, pp.160
- II. **Comparative Study of Hedera Species as a Phytopharmaceutical Resource**  
Gökkaya İ., Yazıcı Bektaş N., Seyhan G., Barut B., Renda G.  
The 10th International Mediterranean Symposium on Medicinal and Aromatic Plants, İstanbul, Turkey, 25 - 27 April 2024, pp.131
- III. **DNA binding and nuclease properties of magnesium (II) phthalocyanines**  
Barut B., Seyhan G., Kulein B., Keleş T., Biyıklioğlu Z.  
6th International Eurasian Conference on Biological and Chemical Sciences, 11 - 13 October 2023, pp.48
- IV. **In vitro investigation of biological activities of Epimedium 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
- V. **Aksiyal disübtitüe silisyum ftalosiyanınların sentezi ve asetil/butirilkolin esteraz enzimlerine karşı inhibisyon özellikleri**  
Öztürmen B. A., Biyıklioğlu Z., Barut B., Seyhan G.  
XXI. Kromatografi Kongresi, Aydın, Turkey, 14 - 16 June 2023, pp.43

## Supported Projects

BIYIKLIOĞLU Z., BARUT B., KELEŞ T., SEYHAN G., Project Supported by Higher Education Institutions, Morfolin Grupları İçeren Yeni Suda Çözünebilen Ftalosiyanın Sentezi ve In Vitro Biyolojik Aktivitelerinin İncelenmesi, 2024 - Continues  
Barut B., Bıyıklıođlu Z., Yalçın C. Ö., Barut E. N., Seyhan G., Akkaya D., Altun Ali Y., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Endometrial kanser tedavisi için yeni FDT ajanların geliştirilmesi ve in vitro etkinliklerinin incelenmesi, 2024 - 2025

## Memberships / Tasks in Scientific Organizations

Turkish Biochemical Society, Member, 2023 - Continues, Turkey

## Scientific Refereeing

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

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

## Scientific Research / Working Group Memberships

Biopharmacy Research Group, Karadeniz Technical University, Turkey, <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, TÜBİTAK, 2022 - 2023