

GÖZDE BOZDAL

RES. ASST. PHD

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAC-7252-2021

ScopusID: 57220051271

Yoksis Researcher ID: 332948



Learning Knowledge

Doctorate
2017 - 2024

Karadeniz Technical University, Eczacılık Fakültesi, doğal ve bitkisel ürünler kozmetik ürünler, Turkey

Postgraduate
2012 - 2015

Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, Kimya (YI), Turkey

Undergraduate
2007 - 2012

Karadeniz Technical University, Fen Fakültesi, Kimya, Turkey

Certificates, Courses and Trainings

Vocational Training, Eğiticilerin eğitimi sertifika programı, karadeniz teknik üniversitesi, 2022

Occupational Health and Safety, İş Sağlığı ve Güvenliği Temel Eğitimi, KARADENİZ TEKNİK ÜNİVERSİTESİ, 2021

Dissertations

Doctorate, Doğal benzoin/benzil analoglarının sentezi, biyolojik aktivite çalışmaları ve Fusarium sp. YP9B'nin ürettiği sekonder metabolitlerin izolasyonu ve karakterizasyonu, Karadeniz Technical University, Sağlık Bilimleri Enstitüsü, 2024

Postgraduate, Diklorometan çözelti ortamında polianilin / polikarbazol kopolimerinin elektrokimyasal sentezi ve elektroanaliz için kullanılması, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, 2015

Academic Titles / Tasks

Research Assistant
2021 - Continues

Karadeniz Technical University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri

Supported Projects

1. Bozdal G., Yayli N., Korkmaz B., Alpay Karaoğlu Ş., Arici Ş., Project Supported by Higher Education Institutions, *Saponaria prostrata* Willd. subs. *anatolica* ve *Saponaria glutinosa* M. Bieb. Bitkileri Üzerinde Farmakognozik Çalışmalar, 2024 - 2026
2. Yayli N., Bozdal G., Korkmaz B., Yıldırım S., Altun Ali Y., TUBITAK Project, *Scorzonera yildirimlii* ve *Scorzonera zorkunensis* türlerinde aktivite yönlendirmeli farmakognozik çalışmalar, 2023 - 2026
3. Yayli N., Kılıç G., Project Supported by Higher Education Institutions, Doğal Benzoin/Benzil Analoglarının Sentezi, Biyolojik Aktivite Çalışmaları ve *Fusarium* sp. YP9b'nin Ürettiği Sekonder Metabolitlerin İzolasyonu ve Karakterizasyonu, 2020 - 2024
4. Bozdal G., Yayli N., TUBITAK Project, Türkiye'de Yetişen Endemik *Scorzonera Sericea* Üzerine Farmakognozik Araştırmalar, 2022 - 2023
5. Yayli N., Kahrman N., Doğan İ. S., Aliyazıcıoğlu R., Aydın A., TUBITAK Project, Hidroksi ve D-Glukoz Substitue Benzoin, Benzil ve Stilben Türevi Bileşiklerin Sentezi ve Biyolojik Aktivitelerinin Araştırılması, 2018 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Synthesis, Antimicrobial Activities, and Molecular Modeling Studies of Agents for the Sortase A Enzyme**
Tatar Yılmaz G., Yayli N., Tüzüner T., Bozdal G., Salmanli M., Renda G., Korkmaz B., Bozdeveci A., Alpay Karaoğlu Ş. CHEMISTRY & BIODIVERSITY, vol.21, no.5, 2024 (SCI-Expanded)
2. **Dihydroisocoumarins and Phenylglycosides from *Scorzonera longiana*, Their Antimicrobial Activities and Molecular Docking Studies**
KORKMAZ B., RENDA G., BOZDAL G., ÇOŞKUNÇELEBİ K., Bozdeveci A., UZUNER U., YAYLI N. CHEMISTRY & BIODIVERSITY, vol.20, no.4, 2023 (SCI-Expanded)
3. **Two new dihydroisocoumarins and terpenoids from *Scorzonera longiana* Sumbul an endemic species to Turkey and their antimicrobial activity**
KORKMAZ B., RENDA G., ERİK İ., BOZDAL G., ÇOŞKUNÇELEBİ K., YAYLI N. NATURAL PRODUCT RESEARCH, vol.37, no.7, pp.1185-1198, 2023 (SCI-Expanded)
4. **Investigation of potential inhibitor properties of violacein against HIV-1 RT and CoV-2 Spike RBD:ACE-2**
Doganci M. A., Ay Sal F., Guler H. İ., Katı H., Ceylan E., Belduz A. O., Bozdal G., Yayli N., Canakcı S. World Journal of Microbiology and Biotechnology, vol.38, no.9, 2022 (SCI-Expanded)
5. **Antimicrobial and lipase inhibition of essential oil and solvent extracts of *Cota tinctoria* var. *tinctoria* and characterization of the essential oil**
ERİK İ., BOZDAL G., ŞENER S. Ö., KORKMAZ B., ALPAY KARAOĞLU Ş., TERZİOĞLU S., YAYLI N. TURKISH JOURNAL OF CHEMISTRY, vol.46, no.4, pp.1234-1244, 2022 (SCI-Expanded)
6. **Antimicrobial, Cytotoxic, Antiviral Effects, and Spectroscopic Characterization of Metabolites Produced by *Fusarium oxysporum* YP9B**
Kilic G., Tosun G., Bozdeveci A., ERİK İ., ÖZTÜRK E., Reis R., Sipahi H., CORA M., ALPAY KARAOĞLU Ş., YAYLI N. RECORDS OF NATURAL PRODUCTS, vol.15, no.6, pp.547-567, 2021 (SCI-Expanded)
7. **Synthesis, biological evaluation (antioxidant, antimicrobial, enzyme inhibition, and cytotoxic) and molecular docking study of hydroxy methoxy benzoin/benzil analogous**
Yayli N., Kılıç G., Kahrman N., Kanbolat Ş., Bozdeveci A., Alpay Karaoğlu Ş., Aliyazıcıoğlu R., Erdinç Sellitepe H. E., Selin Doğan İ. S., Aydın A., et al. BIOORGANIC CHEMISTRY, vol.115, 2021 (SCI-Expanded)
8. **Biological activity, and volatile and phenolic compounds from five Lamiaceae species**
Celik G., KILIÇ G., KANBOLAT Ş., ozlem Sener S. Ö., Karakose M., YAYLI N., ALPAY KARAOĞLU Ş. FLAVOUR AND FRAGRANCE JOURNAL, vol.36, no.2, pp.223-232, 2021 (SCI-Expanded)
9. **Synthesis of hydroxy benzoin/benzil analogs and investigation of their antioxidant, antimicrobial,**

enzyme inhibition, and cytotoxic activities

Yaylı N., Bozdal G., Celik G., Kahrman N., Kanbolat Ş., Bozdeveci A., Alpay Karaoğlu Ş., Aliyazıcıoğlu R., Sellitepe H. E., Doğan İ. S., et al.

TURKISH JOURNAL OF CHEMISTRY, vol.45, no.3, pp.788-804, 2021 (SCI-Expanded)

10. **Chemical Variation, Antimicrobial, Nitric Oxide Scavenging Activities and Tyrosinase Inhibition of Essential Oils and Solvent Extracts from Filipendula vulgaris Moench Growing in Turkey**
Fandakli S., KORKMAZ B., FAİZ Ö., BOZDAL G., ERİK İ., TERZİOĞLU S., YAYLI N.
IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH, vol.20, no.3, pp.110-120, 2021 (SCI-Expanded)
11. **Chemical composition, antimicrobial, and lipase enzyme activity of essential oil and solvent extracts from Serapias orientalis subsp. orientalis**
Erik İ., Kilic G., Öztürk E., Karaoglu S. A., Yaylı N.
TURKISH JOURNAL OF CHEMISTRY, vol.44, pp.1655-1662, 2020 (SCI-Expanded)

Articles Published in Other Journals

1. **Molecular docking, synthesis and biological evaluation (enzyme inhibition, antimicrobial and antioxidant) of methoxy benzoin/benzil/stilbenoid derivatives**
Yaylı N., Kahrman N., Bozdal G., Serdaroğlu V., Aliyazıcıoğlu R., Sellitepe H. E., Alpay Karaoğlu Ş., Yilmaz G.
ORGANIC COMMUNICATIONS, vol.15, no.2, pp.129-147, 2022 (ESCI)
2. **Volatile constituents and antimicrobial activity of vinca major l. Subsp. hirsuta (boiss) stearn grown in turkey**
ERİK İ., BOZDAL G., KORKMAZ B., Fandakli S., ALPAY KARAOĞLU Ş., YAYLI N.
Journal of Research in Pharmacy, vol.25, no.5, pp.581-588, 2021 (ESCI)
3. **Antimicrobial, antioxidant, tyrosinase activities and volatile compounds of the essential oil and solvent extract of Epilobium hirsutum L. growing in Turkey**
Kılıç G., Korkmaz B., Erik İ., Fandaklı S., Yaylı S. S., Faiz Ö., Alpay Karaoğlu Ş., Yaylı N.
Turkish Journal of Analytical Chemistry, vol.2, no.2, pp.87-94, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

1. **Crude Violacein Extracts of Two Janthinobacterium sp. have inhibition effects on HIV-1 RT enzyme and SARS-CoV-2 spike S1: ACE2 interaction both in vitro and in silico**
Doğancı M. A., Ay Şal F., Güler H. İ., Katı H., Ceylan E., Beldüz A. O., Bozdal G., Yaylı N., Çanakçı S.
III. International Enzyme and Bioprocess Days / EBDays 2022, Tokat, Turkey, 9 - 11 September 2022, pp.56
2. **VOLATILE AND PHENOLIC COMPONENTS OF Anthemis tinctoria ssp. tinctoria GROWING IN TURKIYE**
Erik İ., Bozdal G., Şener S. Ö., Terzioğlu S., Yaylı N.
13th International Symposium of Pharmaceutical Sciences, Ankara, Turkey, 22 - 25 June 2021, no.129, pp.244
3. **Hidroksi Benzoin Anologlarının Sentezi**
Kılıç G., Çelik G., Yaylı N., Kahrman N., Kanbolat Ş., Bozdeveci A., Alpay Karaoğlu Ş., Aliyazıcıoğlu R., Sellitepe H. E., Doğan İ. S.
3rd Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), Ankara, Turkey, 19 - 20 March 2020
4. **Synthesis and biological activities of benzil-D-glucoside compounds**
Çelik G., Kılıç G., Yaylı N., Kahrman N., Erik İ., Korkmaz N., Suyabatmaz Ş., Aliyazıcıoğlu R., Sellitepe H. E., Doğan İ. S.
3rd Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), Ankara, Turkey, 19 - 20 March 2020
5. **Characterization of Fusarium oxysporum Yp9b Isolate and Determination of Pharmaceutical Potentials of Antimicrobial Metabolites**
Alpay Karaoğlu Ş., Bozdeveci A., Çelik G., Kılıç G., Baltaş N., Yaylı N.

Eurasian Congress on Molecular Biotechnology, Trabzon, Turkey, 19 - 21 September 2019, pp.43

6. **ESSENTIAL OIL COMPOSITION OF *Serapias orientalis* subs. *orientalis* AND ANTIMICROBIAL ACTIVITIES OF EXTRACTS**
Erik İ., Fandaklı S., Kılıç G., Yaylı N.
International Multidisciplinary Symposium on Drug Research and Development (DRD 2019), Malatya, Turkey, 1 - 03 July 2019, pp.24
7. **VOLATILE COMPOSITION OF *Parentucellia viscosa* BY HYDRODISTILLATION AND DETERMINATION OF ANTIMICROBIAL ACTIVITY OF VOLATILE OIL**
Erik İ., Fandaklı S., Kılıç G., Yaylı N.
International Multidisciplinary Symposium on Drug Research and Development (DRD 2019), Malatya, Turkey, 1 - 03 July 2019, pp.363-364
8. **Volatile components, Phenolic contents and Antioxidant activities of *Ilex colchica* Grown in Turkey**
Kılıç G., Korkmaz B., Sinaforoğlu S., Çelik M., Yolcu Z., Korkmaz N., Aliyazıcıoğlu R., Yaylı N.
4.International Symposium of Medicinal and Aromatic Plants, İzmir, Turkey, 2 - 04 October 2018, pp.41
9. **Volatile Components, Phenolic Contents and Biological Activities of *Vinca Major* L. Subs. *Hirsuta* (Boiss) Stearn Grown in Turkey**
Fandaklı S., Korkmaz B., Kılıç G., Şener S. Ö., Özgen U., Yaylı N.
4.International Symposium of Medicinal and Aromatic Plants, İzmir, Turkey, 2 - 04 October 2018
10. **Volatile compounds of *Helichrysum graveolens* Grown in Turkey**
Kılıç G., Fandaklı S., Korkmaz B., Erik İ., Öztürk E., Yaylı N.
4.International Symposium of Medicinal and Aromatic Plants, İzmir, Turkey, 2 - 04 October 2018, pp.266

Courses

farmakognozi laboratuvarı-1, Undergraduate, 2024 - 2025

Metrics

Publication: 24

Citation (WoS): 54

Citation (Scopus): 61

H-Index (WoS): 4

H-Index (Scopus): 5

Research Areas

Health Sciences, Pharmacognosy, Pharmaceutical Botany