

Prof. ŐENGÜL ALPAY KARAOĐLU



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Education Information

Doctorate, Karadeniz Technical University, Saėlık Bilimleri Enstitüsü, Mikrobiyoloji Anabilim Dalı, Turkey 1993 - 1999

Postgraduate, Karadeniz Technical University, Saėlık Bilimleri Enstitüsü, Mikrobiyoloji Anabilim Dalı, Turkey 1989 - 1993

Undergraduate, Karadeniz Technical University, Fen Edebiyat Fakóltesi, Biyoloji Bölümü, Turkey 1984 - 1988

Foreign Languages

English, B1 Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Kurs, CBC - Utreh, 2011

Education Management and Planning, ANTİBİYOGRAM TEKNİKLERİ KURSU, REFİK SAYDAM HIFZISSİHHA ENSTİTÜSÜ, 2006

Dissertations

Doctorate, Vajinal Kaynaklı Laktobasillerde Bakteriyofaj ve Bakteriyosinlerin Araştırılması, Karadeniz Technical University, Tıp Fakóltesi - Saėlık Bilimleri Enstitüsü, Mikrobiyoloji Ve Klinik Mikrobiyoloji Anabilim Dalı, 1999

Postgraduate, Nazlı Üreme Gösteren Bazı Hastalık Etkeni Bakterilerin Üreme ve Saklama Koşullarının Belirlenmesi, Karadeniz Technical University, Tıp Fakóltesi - Saėlık Bilimleri Enstitüsü, Mikrobiyoloji Ve Klinik Mikrobiyoloji Anabilim Dalı, 1994

Research Areas

Medicine, Microbiology and Clinical Microbiology, Mycology, Medical Microbiology, Virology, Immunology, Life Sciences, Biotechnology, Microbial Biotechnology, Environmental Biology, Environmental Pollution, Microbial Diversity, Microbiology, Bacteriology, Mycology, Virology, Molecular Biology and Genetics, Microbial Genetics, Health Sciences, Fundamental Medical Sciences, Natural Sciences

Academic Titles / Tasks

Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Biyoloji Bölümü, 2013 - Continues
Associate Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Biyoloji Bölümü, 2008 - 2013
Assistant Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Biyoloji Bölümü, 2006 - 2008
Assistant Professor, Karadeniz Technical University, Rize Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2000 - 2006
Research Assistant, Karadeniz Technical University, Tıp Fakültesi, Temel Tıp, 1993 - 1999

Academic and Administrative Experience

Head of Department, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Biyoloji Bölümü, 2016 - Continues
Fakülte Kurulu Üyesi, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Biyoloji Bölümü, 2014 - 2021
Fakülte Yönetim Kurulu Üyesi, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, 2000 - 2015
Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Biyoloji Bölümü, 2011 - 2013
Enstitü Yönetim Kurulu Üyesi, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, 2006 - 2013
Fakülte Yönetim Kurulu Üyesi, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Biyoloji Bölümü, 2009 - 2012
Head of Department, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Biyoloji Bölümü, 2000 - 2011
Karadeniz Technical University, Rize Fen Edebiyat Fakültesi, Biyoloji Bölümü, 2000 - 2008
Karadeniz Technical University, Rize Fen Edebiyat Fakültesi, Biyoloji Bölümü, 2000 - 2004
Karadeniz Technical University, Rize Fen Edebiyat Fakültesi, Biyoloji Bölümü, 2000 - 2004
Karadeniz Technical University, Rize Fen Edebiyat Fakültesi, Biyoloji Bölümü, 2000 - 2003

Courses

Moleküler Hücre Biyolojisi, Undergraduate, 2021 - 2022
Çevre Biyoteknolojisi, Undergraduate, 2021 - 2022
Genetik ve Biyoteknoloji, Undergraduate, 2020 - 2021
Bakterilerde Antimikrobiyal Direnç, Doctorate, 2019 - 2020
Antimikrobiyal İlaçlar Ve Etki Mekanizmaları, Postgraduate, 2019 - 2020
MİKROLOJİ, Undergraduate, 2018 - 2019
Mikrobiyal Fizyoloji, Postgraduate, 2015 - 2016
Bitirme Çalışması, Undergraduate, 2014 - 2015
Genel mikrobiyoloji, Undergraduate, 2015 - 2016
İmmunoloji, Undergraduate, 2014 - 2015
Prokaryotik Çeşitlilik, Postgraduate, 2015 - 2016
Tıbbi Bakteriyoloji, Postgraduate, 2014 - 2015
Seminer, Postgraduate, 2015 - 2016
Tez çalışması , Postgraduate, 2014 - 2015
Tıbbi Mikrobiyoloji, Undergraduate, 2013 - 2014
Viroloji, Undergraduate, 2014 - 2015
GIDA MİKROBİYOLOJİSİ, Undergraduate, 2014 - 2015
Küf Mantarları, Postgraduate, 2013 - 2014
Biyokontrol Ajan Olarak Funguslar, Postgraduate, 2013 - 2014

Başlıca Aspergillus Türlerinin Tanımlanması, Postgraduate, 2013 - 2014
Gıdalarda Mikrobiyolojik Kalite Kontrolü, Postgraduate, 2011 - 2012
Ascomycetous Taksonunun Tanım, Postgraduate, 2010 - 2011
Bakteriyolojik Tanı Yöntemleri, Postgraduate, 2009 - 2010
Mikrofungus Enzimlerin Endüstriyel Kullanımları, Doctorate, 2007 - 2008
Tez çalışması , Doctorate, 2008 - 2009
Endüstriyel Mikrobiyoloji, Doctorate, 2007 - 2008
Mikrobiyal Genetik, Undergraduate, 2005 - 2006
Genel Biyoloji, Undergraduate, 2004 - 2005
Bakteriyosin/Faj Tarama Metodları, Postgraduate, 2004 - 2005
Hücre Biyolojisi, Undergraduate, 2002 - 2003
Genel Histoloji, Undergraduate, 2001 - 2002

Advising Theses

Alpay Karaoğlu Ş., Bal arısından (*Apis mellifera*) izole edilen bazı laktik asit bakterilerinin antimikrobiyal özelliklerinin ve potansiyel probiyotik etkinliklerinin belirlenmesi, Postgraduate, Ş.SUYABATMAZ(Student), 2022
Alpay Karaoğlu Ş., Bazı *Bacillus* sp. suşlarının ve biyoaktif metabolitlerinin karakterizasyonu, antifungal, antibakteriyel ve antioksidan aktivitelerinin değerlendirilmesi , Postgraduate, S.VATANDAŞLAR(Student), 2022
Alpay Karaoğlu Ş., RİZE GENELİNDEKİ İÇME VE KULLANMA SULARINDAN İZOLE EDİLEN *Escherichia coli* SUŞLARINDA ANTİBİYOTİK DİRENCİN MOLEKÜLER KARAKTERİZASYONU, Postgraduate, S.KUŞTUL(Student), 2022
Alpay Karaoğlu Ş., *Paenibacillus* larvae bakteriyofajlarının izolasyonu, moleküler karakterizasyonu ve farklı suşlarına karşı etkinliğin belirlenmesi, Doctorate, A.BOZDEVECİ(Student), 2021
Alpay Karaoğlu Ş., *Paenibacillus dendritiformis* izolatlarında bakteriyofaj/bakteriyosin varlığının ve konak genişliğinin araştırılması, Postgraduate, M.KARALI(Student), 2019
Alpay Karaoğlu Ş., *Fusarium Oxysporum* YP9B'nin tanısı karakterizasyonu ve antimikrobiyal özellikleri, Postgraduate, G.VEYİSOĞLU(Student), 2019
Alpay Karaoğlu Ş., *Streptococcus pyogenes*' in tanısında kullanılan testlerin karşılaştırılması, bakteriyofaj izolasyonu ve karakterizasyonu, Postgraduate, Y.CAHAN(Student), 2019
ALPAY KARAOĞLU Ş., Rize'de Domates Fideleri ve Topraklarından *Fusarium* İle *Trichoderma* Spp. Suşlarının İzolasyonu ve Biyokontrol Aktivitelerinin Belirlenmesi, Postgraduate, Y.KASAP(Student), 2018
Alpay Karaoğlu Ş., Baltaş N., *Helicobacter pylori* karakterizasyonu, bal ve propolis örneklerinin bakteri ve üreazı üzerine inhibisyon etkilerinin araştırılması, Postgraduate, C.TARAKÇI(Student), 2018
ALPAY KARAOĞLU Ş., Amerikan Yavru Çürüklüğü Şüpheli Arı (*Apis Mellifera*) Ve Arı Ürünlerinden İzole Edilen Gram Pozitif Bakterilerin Karakterizasyonu, Antibiyotik Duyarlılıkları Ve *Paenibacillus* Larvae İzolatlarının Genetik Çeşitliliği, Postgraduate, M.PINARBAŞ(Student), 2017
ALPAY KARAOĞLU Ş., Bal peteklerinden izole edilen Sporlu Basillerin Karakterizasyonu ve Antimikrobiyal duyarlılıkları, Postgraduate, Y.BAŞ(Student), 2015
ALPAY KARAOĞLU Ş., Bitki Kökenli *Bacillus*'ların Biyoremidant özelliklerinin belirlenmesi ve kurşun varlığında *Zea mays*'ın gelişimine etkisi, Postgraduate, E.UZUNALIOĞLU(Student), 2015
ALPAY KARAOĞLU Ş., Farklı Ağaç Türlerine Ait Kütük ve Talaş Ortamlarının *Pleurotus ostreatus* Mantarının verim ve Kalite Üzerine Etkileri, Postgraduate, S.AVCI(Student), 2015
ALPAY KARAOĞLU Ş., Toprak Kökenli *Bacillus*'ların Biyoremidant Özelliklerinin Belirlenmesi ve Bakır Varlığında *Zea mays*'ın Gelişimine Etkisi, Postgraduate, Ü.ZEYNEP(Student), 2015
ALPAY KARAOĞLU Ş., Toprak kökenli *Trichoderma* sp. izolatlarının moleküler tanımlanması ve biyolojik mücadelede etkinliklerinin belirlenmesi, Postgraduate, A.BOZDEVECİ(Student), 2014
ALPAY KARAOĞLU Ş., Çaydan izole edilen maya mantarlarının karakterizasyonu, Postgraduate, H.TAŞKIRAN(Student), 2011
ALPAY KARAOĞLU Ş., Toprak Kökenli Mikrofunguslarda lipaz üreten Suşların Araştırılması, Lipaz Enzimi Saflaştırılması ve Karakterizasyonu, Doctorate, S.ÜLKER(Student), 2009

ALPAY KARAOĞLU Ş., Rize ili ve çevresindeki içme sularında izole edilen Escherichia coli suşlarında aktarılabılır direnç ve TEM-Tipi β -laktamnaz genlerinin araştırılması, Postgraduate, E.SEVİM(Student), 2005
ALPAY KARAOĞLU Ş., İyidere-İkizdere bölgesi'nde toprak mikrofungus florası ve mevsimsel değişkenliği üzerine bir araştırma, Postgraduate, S.ÜLKER(Student), 2004

Jury Memberships

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Recep Tayyip Erdoğan Üniversitesi, November, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Recep Tayyip Erdoğan Üniversitesi, October, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Recep Tayyip Erdoğan Üniversitesi, March, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis, Antimicrobial Activities, and Molecular Modeling Studies of Agents for the Sortase A Enzyme.**
Tatar Yılmaz G., Yaylı N., Tüzüner T., Bozdal G., Salmanlı M., Renda G., Korkmaz B., Bozdeveci A., Alpay Karaoğlu Ş.
Chemistry & biodiversity, 2024 (SCI-Expanded)
- II. **Some Schiff Bases Containing Eugenol and Guaiacol: Comparison of Urease Inhibition and Anti-Helicobacter pylori Activities with Its Azo Analogs**
Kantar C., Baltaş N., Alpay Karaoğlu Ş., Şaşmaz S.
Pharmaceutical Chemistry Journal, vol.57, no.11, pp.1738-1744, 2024 (SCI-Expanded)
- III. **1,2,4-Triazole-conjugated Fluoroquinolones as Potential Candidates for New Antibacterial Agents**
Cebeci Y. U., ALPAY KARAOĞLU Ş.
Letters in Organic Chemistry, vol.21, no.8, pp.669-676, 2024 (SCI-Expanded)
- IV. **Determination of Biocontrol Properties of Two Local Trichoderma Isolates**
Bozdeveci A., ALPAY KARAOĞLU Ş.
Biology Bulletin, vol.50, no.6, pp.1172-1181, 2023 (SCI-Expanded)
- V. **Investigation of wound healing potentials of Lysimachia verticillaris and Lysimachia vulgaris: In vivo and in vitro studies**
KANBOLAT Ş., BADEM M., ŞENER S. Ö., Korkmaz N., KULABER A., ALİYAZICIOĞLU R., YENİLMEZ E., ÖZGEN U., ALPAY KARAOĞLU Ş.
South African Journal of Botany, vol.163, pp.770-776, 2023 (SCI-Expanded)
- VI. **Use of Dicranum polysetum extract against Paenibacillus larvae causing American Foulbrood under in vivo and in vitro conditions**
Alpay Karaoğlu Ş., Bıyık S., Nisbet C., Akpınar R., Bozdeveci A., Suyabatmaz Ş., Güler A., Kaya S., Yeşilyurt A., Batan N., et al.
International Microbiology, vol.26, no.4, pp.1087-1101, 2023 (SCI-Expanded)
- VII. **Isolation, characterization, and genetic diversity of Paenibacillus larvae from AFB suspected specimens in the Central and Eastern Black Sea Regions**
ALPAY KARAOĞLU Ş., Bozdeveci A., Pınarbaş Çetin M., Sevim E., SUYABATMAZ Ş., Akpınar R.
Biologia, vol.78, no.10, pp.2919-2929, 2023 (SCI-Expanded)
- VIII. **Comparing the biological properties and chemical profiling of chestnut bee pollen and bee bread collected from Anatolia**
Sonmez E., Kekeçoğlu M., Şahin H., Bozdeveci A., Alpay Karaoğlu Ş.
BRAZILIAN JOURNAL OF MICROBIOLOGY, vol.54, no.3, pp.2307-2317, 2023 (SCI-Expanded)
- IX. **PCR-based detection of the honeybee tracheal mite (Acarapis woodi) in Türkiye**

Akpınar R. K., Sevim A., Sevim E., Kaya S., Türlek Ş. Ö., Aydın C., ALPAY KARAOĞLU Ş., Çelik S. N., Bozdeveci A., Güven G., et al.

Parasitology Research, vol.122, no.7, pp.1663-1670, 2023 (SCI-Expanded)

- X. **An evaluation of the chemical composition and biological properties of Anatolian Royal Jelly, drone brood and queen bee larvae**
Sonmez E., KEKEÇOĞLU M., ŞAHİN H., Bozdeveci A., ALPAY KARAOĞLU Ş.
EUROPEAN FOOD RESEARCH AND TECHNOLOGY, vol.249, no.5, pp.1391-1401, 2023 (SCI-Expanded)
- XI. **Synthesis and Characterization of Some Azole Derivatives as Potential Biological and Anticancer Agents**
Uygun Cebeci Y., Ceylan Ş., Altun M., ALPAY KARAOĞLU Ş.
ChemistrySelect, vol.8, no.12, 2023 (SCI-Expanded)
- XII. **The Effect of Disinfection Methods on C. Albicans in Three Types of Denture Base Materials**
AKYILDIZ G., Duymus Z. Y., ALPAY KARAOĞLU Ş., Bozdeveci A.
Materiale Plastice, vol.60, no.1, pp.25-32, 2023 (SCI-Expanded)
- XIII. **Phytochemicals, antimicrobial, and sporicidal activities of moss, Dicranum polysetum Sw., against certain honey bee bacterial pathogens**
Alpay Karaoğlu Ş., Yaylı N., Akpınar R., Bozdeveci A., Erik I., Suyabatmaz Ş., Korkmaz B., Batan N., Kaya S., Nisbet C., et al.
VETERINARY RESEARCH COMMUNICATIONS, vol.48, no.1, pp.1-11, 2023 (SCI-Expanded)
- XIV. **Identification of Bacteria Obtained from Dactylorhiza urvilleana Rhizoid Region, Metal Tolerances, Bioremidant Characteristics and Effects on Maize Germination in Copper Presence**
Esertaş Ü. Z. Ü., Uzunalioglu E., Bozdeveci A., Alpay Karaoğlu Ş.
Tarım Bilimleri Dergisi, vol.29, no.1, pp.26-37, 2023 (SCI-Expanded)
- XV. **Honeybee-associated lactic acid bacteria and their probiotic potential for human use**
Suyabatmaz Ş., Alpay Karaoğlu Ş., Bozdeveci A., Akpınar R.
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, vol.39, no.1, 2023 (SCI-Expanded)
- XVI. **Two new dihydroisocoumarins and terpenoids from Scorzonera longiana Sümbül 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)
- XVII. **Chemical analysis and biological activity of the essential oils and extracts of two liverwort species growing in Turkey**
Celik G., Sahin H., BALTAŞ N., BATAN N., ALPAY KARAOĞLU Ş., YAYLI N.
BOTANICA SERBICA, vol.47, no.1, pp.31-40, 2023 (SCI-Expanded)
- XVIII. **An efficient microwave-assisted synthesis of novel quinolone-triazole and conazole-triazole hybrid derivatives as antimicrobial and anticancer agents**
Cebeci Y. U., CEYLAN Ş., ALPAY KARAOĞLU Ş., ALTUN M.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.60, no.1, pp.47-62, 2023 (SCI-Expanded)
- XIX. **Inhibitive and prophylactic efficacy of lactic acid bacteria from Apis mellifera (Hymenoptera: Apidae) in combating Paenibacillus infections**
Suyabatmaz Ş., Alpay Karaoğlu Ş., Akpınar R., Bozdeveci A., Biyik S., Güler A., Kaya S.
Journal of Apicultural Research, 2023 (SCI-Expanded)
- XX. **Prevalence and phylogenetic analysis of Ascospaera apis (Maassen ex Claussen) LS Olive & Spiltoir (1955) isolates from honeybee colonies in Turkey**
Sevim A., Akpınar R., ALPAY KARAOĞLU Ş., Bozdeveci A., Sevim E.
BIOLOGIA, vol.77, no.9, pp.2689-2699, 2022 (SCI-Expanded)
- XXI. **Biological Activity and Phytochemical Analysis of Dicranum scoparium against the Bacterial Disease for Honey Bee**
Alpay Karaoğlu Ş., Yaylı N., Erik I., Korkmaz B., Akpınar R., Bozdeveci A., Suyabatmaz Ş., Batan N., Yesilyurt A., Kaya S., et al.
CHEMISTRY & BIODIVERSITY, vol.19, no.7, 2022 (SCI-Expanded)

- XXII. **Synthesis of novel antipyrine-azole-S-alkyl derivatives antimicrobial activity, molecular docking, and computational studies**
Cebeci Y. U., BAYRAK H., ALPAY KARAOĞLU Ş., Fahim A. M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1260, 2022 (SCI-Expanded)
- XXIII. **Comparative evaluation of various herbal extracts on biofilms of Streptococcus mutans and Scardovia wiggisiae: An in vitro study**
DEMİREZ BİRCAN Z., AYDINOĞLU S., ARSLAN İ., ALPAY KARAOĞLU Ş., YURTERİ E., Bozdeveci A.
INTERNATIONAL JOURNAL OF PAEDIATRIC DENTISTRY, vol.32, no.4, pp.514-526, 2022 (SCI-Expanded)
- XXIV. **Quinolone-Rhodanine Hybrid Compounds: Synthesis and Biological Evaluation as Anti-Bacterial Agents**
Cebeci Y. U., ALPAY KARAOĞLU Ş.
CHEMISTRYSELECT, vol.7, no.22, 2022 (SCI-Expanded)
- XXV. **Isolation, characterization, and comparative genomic analysis of vB_PlaM_Pd22F, a new bacteriophage of the family Myoviridae**
Bozdeveci A., Karali M., Akpınar R., ALPAY KARAOĞLU Ş.
ARCHIVES OF VIROLOGY, vol.167, no.5, pp.1269-1284, 2022 (SCI-Expanded)
- XXVI. **Chemical profiling and antimicrobial effect of Anatolian honey bee venom**
Sonmez E., Kekecoglu M., Bozdeveci A., Karaoglu S. A.
TOXICON, vol.15, no.213, pp.1-6, 2022 (SCI-Expanded)
- XXVII. **Novel fluoroquinolones containing 2-arylamino-2-oxoethyl fragment: Design, synthesis, evaluation of antibacterial and antituberculosis activities and molecular modeling studies**
KULABAŞ N., TÜRE A., Bozdeveci A., Krishna V. S., ALPAY KARAOĞLU Ş., Sriram D., KÜÇÜKGÜZEL İ.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.59, pp.909-926, 2022 (SCI-Expanded)
- XXVIII. **Conventional and microwave irradiated synthesis, biological activity evaluation of highly substituted indole-triazole hybrids**
Cebeci Y. U., Ceylan S., Karaoglu S. A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1250, 2022 (SCI-Expanded)
- XXIX. **Evaluation of Stabilized Chlorine Dioxide in Terms of Antimicrobial Activity and Dentin Bond Strength.**
Kalay T. S., Kara Y., Karaoglu Ş., Kolayli S.
Combinatorial chemistry & high throughput screening, vol.25, no.9, pp.1427-1436, 2022 (SCI-Expanded)
- XXX. **Antimicrobial and lipase inhibition of essential oil and solvent extracts of Cota tinctoria var. tinctoria and characterization of the essential oil**
Erik İ., Bozdal G., Şener S. Ö., Korkmaz B., Alpay Karaoğlu Ş., Terzioğlu S., Yaylı N.
TURKISH JOURNAL OF CHEMISTRY, vol.46, pp.1234-1244, 2022 (SCI-Expanded)
- XXXI. **Pollen Analysis, Chemical Composition and Antibacterial Activity of Anatolian Chestnut Propolis Collected From Yigilca Region**
KEKEÇOĞLU M., Sonmez E., Acar M. K., ALPAY KARAOĞLU Ş.
BIOLOGY BULLETIN, vol.48, no.6, pp.721-728, 2021 (SCI-Expanded)
- XXXII. **Isolation, characterization, and comparative genomic analysis of vB_PlaP_SV21, new bacteriophage of Paenibacillus larvae**
Bozdeveci A., Akpınar R., Alpay Karaoğlu Ş.
VIRUS RESEARCH, vol.305, 2021 (SCI-Expanded)
- XXXIII. **Design and microwave-assisted synthesis of a novel Mannich base and conazole derivatives and their biological assessment**
Cebeci Y. U., ALPAY KARAOĞLU Ş.
HETEROCYCLIC COMMUNICATIONS, vol.27, no.1, pp.100-111, 2021 (SCI-Expanded)
- XXXIV. **Antimicrobial, Cytotoxic, Antiviral Effects, and Spectroscopic Characterization of Metabolites Produced by Fusarium oxysporum YP9B**
Kilic G., Tosun G., Bozdeveci A., Erik İ., Öztürk E., Reis R., Sipahi H., Cora M., Alpay Karaoğlu Ş., Yaylı N.
RECORDS OF NATURAL PRODUCTS, vol.15, no.6, pp.547-567, 2021 (SCI-Expanded)

- XXXV. **Synthesis, biological evaluation (antioxidant, antimicrobial, enzyme inhibition, and cytotoxic) and molecular docking study of hydroxy methoxy benzoin/benzil analogous**
YAYLI N., BOZDAL G., KAHRİMAN N., KANBOLAT Ş., Bozdeveci A., ALPAY KARAOĞLU Ş., ALİYAZICIOĞLU R., SELLİTEPE H. E., Doagn I. S., AYDIN A., et al.
BIOORGANIC CHEMISTRY, vol.115, 2021 (SCI-Expanded)
- XXXVI. **Synthesis and Antimicrobial, Antiproliferative Evaluation of Novel Quinolone and Conazole Analogues via Conventional and Microwave Techniques**
CEYLAN Ş., Cebeci Y. U., ALPAY KARAOĞLU Ş., ALTUN M.
CHEMISTRYSELECT, vol.6, no.35, pp.9467-9476, 2021 (SCI-Expanded)
- XXXVII. **Three new dihydroisocoumarin glycosides with antimicrobial activities from *Scorzonera aucheriana***
ERİK İ., YAYLI N., ÇOŞKUNÇELEBİ K., MAKBUL S., Karaoglu Ş.
PHYTOCHEMISTRY LETTERS, vol.43, pp.45-52, 2021 (SCI-Expanded)
- XXXVIII. **New Potential Monotherapeutic Candidates for *Helicobacter pylori*: Some Pyridinazo Compounds Having Both Urease Enzyme Inhibition and Anti-*Helicobacter pylori* Effectiveness**
Kantar C., Baltaş N., Alpay Karaoğlu Ş., Şaşmaz S.
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.55, no.3, pp.246-252, 2021 (SCI-Expanded)
- XXXIX. **Microwave-assisted Synthesis of Novel Mannich Base and Conazole Derivatives Containing Biologically Active Pharmacological Groups**
Cebeci Y. U., CEYLAN Ş., DEMİRBAŞ N., ALPAY KARAOĞLU Ş.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.18, no.3, pp.269-283, 2021 (SCI-Expanded)
- XL. **Biological activity, and volatile and phenolic compounds from five Lamiaceae species**
Celik G., Kilic G., Kanbolat Ş., Ozlem Sener S., Karaköse M., Yaylı N., Karaoglu Ş.
FLAVOUR AND FRAGRANCE JOURNAL, vol.36, no.2, pp.223-232, 2021 (SCI-Expanded)
- XLI. **Conventional and Microwave-Assisted Synthesis of Novel 1,2,4-Triazole Derivatives Containing Tryptamine Skeleton and Evaluation of Antimicrobial Activity**
Cebeci Y. U., CEYLAN Ş., DEMİRBAŞ N., ALPAY KARAOĞLU Ş.
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- XLII. **Synthesis of hydroxy benzoin/benzil analogs and investigation of their antioxidant, antimicrobial, enzyme inhibition, and cytotoxic activities**
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