

FATİH DEMİRCİ

PROF.

Email : fdemirci@anadolu.edu.tr

Other Email : demircif@gmail.com

Office Phone : [+90 222 335 0580](tel:+902223350580) Extension: 3714

Fax Phone : [+90 222 335 0750](tel:+902223350750)

Address : Anadolu Üniversitesi Eczacılık Fakültesi

Farmakognozi AbD 26470 Tepebaşı Eskişehir

International Researcher IDs

ScholarID: EbyEPtoAAAAJ

ORCID: 0000-0003-1497-3017

Publons / Web Of Science ResearcherID: A-8295-2008

ScopusID: 35071145000

Yoksis Researcher ID: 55382

Biography

he received his degree from the Faculty of Pharmacy of Anadolu University, in 1992. In the year 1995, he obtained his MSc degree with his work on the “Synthesis of Phosphatidylcholine Analogues” in Chemistry at the School of Chemical Sciences of the University of East Anglia, Norwich in UK. During his PhD, he has worked both at HEJ Research Institute of Chemistry, in Pakistan and at the Department of Pharmacognosy at the Faculty of Pharmacy, University of Mississippi Oxford in the United States, respectively. His PhD project: “Microbial Transformation of Bioactive Monoterpenes” was finished in 2000 at Anadolu University. He earned his Faculty position the year after, and was appointed as staff and Assisting Professor in the Department of Pharmacognosy at the Faculty of Pharmacy, Anadolu University, Eskişehir, Turkey. In 2002, he moved as post-doctoral scientific co-worker to the University of Regensburg, Department of Pharmaceutical Biology, Germany, where he worked on bioassays, herbal medicinal products besides teaching, until the end of 2003. During 2004-2005 he served as lieutenant in the Turkish Army, Military Drug Factory, in Ankara. In 2005, he was appointed as full time staff and as Associate Professorship in the Department of Pharmacognosy, Eskişehir. In the year 2010 he was appointed as Professor.

Among his administrative duties he served as director for the Graduate School of Health Sciences until 2014, and as the founding Dean of the Faculty of Health Sciences until Mid of 2017 . He participated in the organization of various workshops, symposia and conferences.

He has produced more than 180 international peer reviewed publications, 20 book Chapters, and is editor of several text books and in the editorial boards of various Natural Product journals. He has more than 30 national international industry/research projects; More than 200 national and international presentations and 20 PCT applications. According to Google Scholar 6500 citations with an 41 h-index is recorded. He established with Prof. Baser the Badebio Biotechnology Ltd. Company, a spin-off for R&D in 2009. He is still working as a full faculty member in the Faculty of Pharmacy. He is among the coordinators of the Health Management program at the Open Education Faculty. Teaching and workshop activities include undergraduate and postgraduate levels as well as Chambers of Pharmacies. Worked in the Herbal Medicinal Products Committee of the Ministry of Health, Turkish Medicines and Medical Devices Institution. Since 2019 he is also teaching in Eastern Mediterranean University at the Faculty of Pharmacy in Cyprus.

Education

Doctorate 1995 - 2000	Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakognozi (Dr), Turkey
Postgraduate 1993 - 1995	University of East Anglia, School Of Chemical Sciences, England
Undergraduate 1990 - 1992	Anadolu University, ECZACILIK FAKÜLTESİ, Eczacılık Pr., Turkey

Foreign Languages

German, C1 Advanced
English, B2 Upper Intermediate

Dissertations

Doctorate, Biyoaktif monoterpenlerin mikrobiyal transformasyonu, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakognozi (Dr), 2000
Postgraduate, Studies towards the synthesis of phosphatidylcholine analogues, University of East Anglia, School Of Chemical Sciences, 1995

Academic Positions

Professor 2010 - Present	Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ
Associate Professor 2005 - 2010	Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ
Assistant Professor 2001 - 2005	Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ
Research Assistant 1992 - 2000	Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ

Funded Projects

- DEMİRCİ F., TUBITAK Project, Monoterpenik Fenol Polimerlerinin Poli laktik Asit ve Kitosanın Özelliklerine Etkisinin İncelenmesi BAP 1508F601, 2015 - Present
- DEMİRCİ F., TUBITAK Project, Ülkemizde Yetişen Bazı Ferulago Türlerinin Antikanser Lipoksijenaz Siklooksijenaz Aktivite Ve Fitokimyasal Yönden Değerlendirilmesi Tübitak 115S364, 2015 - Present
- DEMİRCİ F., TUBITAK Project, Bazı Malatya Halk İlaçlarının Helicobacter pylori Çeşitli Gastrointestinal Sistem

Patojenleri ve Enflamasyon Üzerindeki Etkileri Tübitak SBAG 214S129, 2015 - Present

4. DEMİRCİ F., TUBITAK Project, Bitkisel Ekstre ve Saf Maddeler için MAO A ve MAO B inhibisyon testlerinin HPTLC ye Uyarlanması TÜBİTAK 114S745, 2014 - Present
5. DEMİRCİ F., TUBITAK Project, Moğolistan uçucu yağlarının bileşimi ve biyolojik etkileri üzerine araştırmalar TUBITAK ve Moğolistan Bilimler Akademisi Projesi TBAG 107T274, Present
6. DEMİRCİ F., İŞCAN G., TUBITAK Project, Biyokatalizörler yardımıyla simenden timokinon ve benzeri biyoaktif metabolitlerin üretimi No 106T117, Present
7. DEMİRCİ F., TUBITAK Project, Yeni Biyoaktif Aroma Maddelerinin Biyoteknolojik Yöntemlerle Üretimi TÜBİTAK TEYDEB KOBİ Ar Ge Başlangıç Destek Programı 7110249, Present
8. DEMİRCİ F., TUBITAK Project, Terpenlerin Enzimatik Polimerizasyonu ve Reaksiyon Kinetiğinin Modellenmesi 108M015, Present
9. Demirci F., Project Supported by Higher Education Institutions, BAP Other, Kitosan ve Standardize Bitkisel Ekstre Kombinasyonlarıyla Yara Bakım Formülasyonu Geliştirilmesi, 2023 - 2025
10. Demirci F., Project Supported by Higher Education Institutions, BAP Research Project, Salvia fruticosa Mill. Ekstrelerinden Tasarlanan Farmasötik Formülasyonlarının in vitro/in vivo Biyolojik Aktivite Çalışmaları, 2020 - 2022
11. Köse Y. B., Demirci F., Göger F., Göger G., TUBITAK Project, 3501 - National Young Researcher Career Development Program, Tripleurospermum callosum (Boiss. Heldr.) E. Hossain bitki ekstrelerinin in vivo Caenorhabditis elegans modelinde antimikrobiyal etkilerinin araştırılması, 2019 - 2021
12. DEMİRCİ F., AĞALAR H. G., Project Supported by Higher Education Institutions, BAP Research Project, Doğal Kumarin Türevlerinin MAO enzim inhibisyonlarına etkileri, 2018 - 2019
13. DEMİRCİ B., DEMİRCİ F., Ülkemizde Yetişen Bazı Ferulago Türlerinin Antikanser, Lipoksijenaz, Siklooksijenaz Aktivite Ve Fitokimyasal Yönden Değerlendirilmesi, 2015 - 2019
14. Demirci F., Kılıç C. S., TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Ülkemizde Yetişen Bazı Ferulago Türlerinin Antikanser Lipoksijenaz Siklooksijenaz Aktivite Ve Fitokimyasal Yönden Değerlendirilmesi, 2015 - 2019
15. AĞALAR H. G., DEMİRCİ F., Project Supported by Higher Education Institutions, BAP Research Project, Bitkisel Atıklardan Biyotransformasyonla Katma Değerli Sekonder Metabolitlerin Üretimi, 2017 - 2017
16. Ağalar H. G., Demirci F., Project Supported by Higher Education Institutions, BAP Other, Bitkisel Atıklardan Biyotransformasyonla Katma Değerli Sekonder Metabolitlerin Üretimi, 2016 - 2017
17. DEMİRCİ F., Project Supported by Higher Education Institutions, BAP Research Project, Matrin ve Oksimatin Mikrobiyal Transformasyonu ve Metabolitlerinin Kolinesteraz İnhibisyonu, 2016 - 2017
18. DEMİRCİ F., Project Supported by Higher Education Institutions, BAP Research Project, Lavandula latifolia Medik. Uçucu Yağının Anjiyogenez ve Bazı Matriks Metalloproteinaz (MMP) Enzimleri Üzerine Etkileri, 2016 - 2017
19. DEMİRCİ F., Project Supported by Higher Education Institutions, BAP Research Project, Doğal Ürünlerde Biyootografik YPİTK Metotlarının Uygulanması 1505S376, 2015 - 2016
20. DEMİRCİ F., Project Supported by Higher Education Institutions, BAP Research Project, Benzodioxol halkası içeren tiyosemikarbazon türevlerinin antikanser ve antikolinesteraz etkilerinin belirlenmesi Proje no 1407S336, 2014 - 2016
21. DEMİRCİ F., TUBITAK Project, Standart Antifungal Etken Madde ve Uçucu Yağ Kombinasyonlarının Seçici Olarak Dirençli Candida Türlerine Karşı Sinerjik Etkinlikleri TÜBİTAK SBAG 113S250, 2013 - 2016
22. DEMİRCİ F., Project Supported by Higher Education Institutions, BAP Research Project, Antimikrobiyal Maddelerin Etkinliğini Arttıran Uçucu Yağ ve Bileşenlerinin Belirlenmesi Proje No 1301S005, 2013 - 2016
23. DEMİRCİ F., TUBITAK Project, KKTC de Yetişen ve Gıda Olarak Kullanılan Lathyrus ve Chenopodium Türlerinin Üzerinde Biyolojik Aktivite ve Fitokimya Araştırmaları 1110138, 2011 - 2016
24. DEMİRCİ F., TUBITAK Project, Uçucu Yağ Antibiyotik Karışımlarının Sinerjik Antienflamatuvar Ve Rinosinüzit Patojenlerine Karşı Antibakteriyal Etkileri 114S740, 2014 - 2015
25. DEMİRCİ F., Project Supported by Higher Education Institutions, BAP Research Project, Sinüzit Patojenlerinin Uçucu Yağ ve Bileşenler ile İnhibisyonu BAP1309S319, 2014 - 2015
26. DEMİRCİ F., Project Supported by Higher Education Institutions, BAP Research Project, Terpenlerin Lakkaz ile Biyotransformasyonu BAP 1404S110 Teşvik Projesi, 2014 - 2015

27. DEMİRCİ F., Project Supported by Higher Education Institutions, BAP Research Project, Hidrazon Kalıntısı İçeren Benzotiyazol Türevlerinin Sentezi ve Antifungal Etkilerinin Belirlenmesi BAP 1403S066, 2014 - 2015
28. DEMİRCİ B., ILGIN S., DEMİRCİ F., TUBITAK Project, Standart Antifungal Etken Madde ve Uçucu Yağ Kombinasyonlarının Seçici Olarak Dirençli Candida Türlerine Karşı Sinerjik Etkinlikleri, 2013 - 2015
29. DEMİRCİ B., DEMİRCİ F., Lignoselülozik Orman Kaynaklarının Sürdürülebilir Kullanımı GREASE WoodWisdom Net Araştırma Programı ERA NET Biyoenerji, 2012 - 2015
30. Demirci F., EU Supported Other Project, Lignoselülozik Orman Kaynaklarının Sürdürülebilir Kullanımı GREASE WoodWisdom Net Araştırma Programı ERA NET Biyoenerji 1100951, 2012 - 2015
31. DEMİRCİ F., Doğal Maddelerin Kimyasal ve Biyolojik İncelenmesi 1306S240, 2013 - 2014
32. Özdemir A., Altıntop M. D., Kaplancıklı Z. A., Turan G., Demirci F., Project Supported by Higher Education Institutions, BAP Research Project, Bazı Sübstitüe Pirazolin Türevlerinin Sentezlenmesi ve Antifungal Etkilerinin Araştırılması, 2010 - 2014
33. DEMİRCİ F., TUBITAK Project, Türk Pimpinella Türlerinin Uçucu Yağları AÜAF000334, 2000 - 2014
34. DEMİRCİ F., TUBITAK Project, DOĞAL KAYNAKLARDAN SİSTATİNLERİN İZOLASYONU KARAKTERİZASYONU VE ANTİBAKTERİYAL ETKİLERİNİN İNCELENMESİ BAP 1105S100, 2011 - 2013
35. Kaplancıklı Z. A., Özdemir A., Altıntop M. D., Turan G., Demirci F., Project Supported by Higher Education Institutions, BAP Research Project, Yeni Hidrazon Bileşiklerinin Sentezleri ve Antibakteriyel Etki Çalışmaları, 2011 - 2013
36. DEMİRCİ F., Hayvan ve insan sağlığında fonksiyonel olarak kullanılacak bitkisel kökenli atık maddelerin değerlendirilmesi PLANTY ERA NET NEW INDIGO Tübitak 2233 Bideb, 2010 - 2013
37. DEMİRCİ F., TUBITAK Project, Tetrahidrokarvon un Biyotransformasyonu ve Biyolojik Etkileri BAP1104S08, 2011 - 2012
38. DEMİRCİ F., TUBITAK Project, YENİ HİDRAZON BİLEŞİKLERİNİN SENTEZLERİ VE ANTİBAKTERİYEL ETKİ ÇALIŞMALARI BAP 1103S060, 2010 - 2012
39. DEMİRCİ F., TUBITAK Project, Bazı Sübstitüe Pirazolin Türevlerinin Sentezlenmesi ve Antifungal Etkilerinin Araştırılması BAP 1001S41, 2010 - 2012
40. Demirci F., Industrial Thesis Project, Yeni Koku ve Tat Maddelerinin Biyoteknolojik Yöntemlerle Üretimi SANTEZ 00530 STZ 2010 1, 2010 - 2012
41. Demirci F., Özek G., Özek T., TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Uçucu Yağlardaki Enantiomerlerin Taranması İzolasyonu ve Biyolojik Aktivite Çalışmaları TUBİTAK TBAG 107T498, 2008 - 2010
42. Demirci F., TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Uçucu yağ taşıyan bazı bitkilerin anjiojenik ve antianjiojenik aktivitesinin in vivo ve in vitro yöntemlerle araştırılması SBAG 107S262 3756, 2007 - 2010
43. DEMİRCİ F., TUBITAK Project, Düzce İli ve İlçelerinin Halk İlaçları 108T253, 2008 - 2009
44. DEMİRCİ F., Farmakope Kalitesinde Bitkisel Drog Hazırlanması BAP 060301, 2007 - 2009
45. DEMİRCİ F., Türkiye de yetişen Sideritis türlerinde asetilkolinesteraz AChE inhibitör aktivitenin araştırılması BAP 060321, 2006 - 2009
46. DEMİRCİ F., Doğal ve Aromatik Maddelerin Mikrobiyal Biyotransformasyonu ve Biyolojik Etki Testleri AÜAF980312, 1998 - 2002

Awards

1. Demirci F., TÜRK ECZACILARI BİRLİĞİ ECZACILIK AKADEMİSİ 2022 YILI BİLİM ÖDÜLÜ, Türk Eczacıları Birliği Eczacılık Akademisi, September 2022
2. Demirci F., Science and Technology Award, Anadolu Üniversitesi, February 2012

Articles

1. **Lipoxygenase inhibitory activity evaluation of *Achillea biebersteinii* Afan. by activity-guided fractionation**
Subaşı B., Günbatan T., Gürbüz İ., Bedir E., Demirci F.
Journal of Ethnopharmacology, vol.357, pp.120900, 2026 (SCI-Expanded)
2. **Anti-lipoxygenase Evaluation of Different *Achillea* sp. Extracts**
Subaşı B., GÜNBATAN T., GÜRBÜZ İ., İNAL E., KARTAL M., Sucu M., İÇEN M. S., DEMİRCİ F.
Chemistry and Biodiversity, vol.22, no.10, 2025 (SCI-Expanded, Scopus)
3. **Antibacterial Evaluation of *Matricaria recutita* L., *Achillea millefolium* L. Essential Oil and Tetracycline Combinations in Respect to in vivo Toxicity Data**
DEMİRCİ B., ÖZTÜRK G., DEMİRCİ F.
Records of Natural Products, vol.19, no.3, pp.278-285, 2025 (SCI-Expanded, Scopus)
4. **Synergistic Antimicrobial Effects of *Melaleuca alternifolia* Essential Oil and Kojic Acid Combinations**
Kirci D., ÖZŞEN BATUR Ö., DEMİRCİ B., DEMİRCİ F.
CURRENT MICROBIOLOGY, vol.82, no.5, 2025 (SCI-Expanded, Scopus)
5. **Preparation, characterization, and in vitro evaluation of microemulsion based cream formulations for the topical treatment of acne vulgaris**
Caglar E. S., Reis R., KARADAĞ A. E., DEMİRCİ F., SİPAHİ H., AYDIN A., Okur N. U.
JOURNAL OF SURFACTANTS AND DETERGENTS, vol.28, no.1, pp.13-24, 2025 (SCI-Expanded, Scopus)
6. **Antimicrobial activity of European Pharmacopoeia quality essential oil combinations against oral pathogens**
KAHYA S. E., Kirci D., KARADAĞ A. E., DEMİRCİ F.
Acta Pharmaceutica Scientia, vol.63, no.2, pp.464-474, 2025 (Scopus)
7. **In vitro synergistic antibacterial activities of carvacrol, thymol and selected carvacrol-rich and carvacrol-deficient essential oil combinations**
Ilktac M., Ak-Sakallı E., Atli B., Oztinen N., Ozbil E., DEMİRCİ F., Kosar M.
Journal of Essential Oil-Bearing Plants, vol.28, no.2, pp.281-296, 2025 (SCI-Expanded, Scopus)
8. **Selective in vitro Synergistic Evaluation of Probiotic Tolerant morpholinyl- and 4-ethylpiperazinyl-Imidazole-chalcone Derivatives on Gastrointestinal System Pathogens**
Soylemez T., Kaplancikli Z. A., OSMANİYE D., ÖZKAY Y., DEMİRCİ F.
CURRENT MICROBIOLOGY, vol.81, no.8, 2024 (SCI-Expanded, Scopus)
9. **In vitro cholinesterase, lipoxygenase inhibition evaluation of rosemary and coriander essential oil nanoemulsion and characterisation**
Karaca N., DEMİRCİ F.
JOURNAL OF HERBAL MEDICINE, vol.45, 2024 (SCI-Expanded, Scopus)
10. **The Therapeutic Potential of Essential Oils in Managing Inflammatory Skin Conditions: A Scoping Review**
Dontje A. E. W. K., Schuiling-Veninga C. C. M., van Hunsel F. P. A. M., Ekhardt C., DEMİRCİ F., Woerdenbag H. J.
PHARMACEUTICALS, vol.17, no.5, 2024 (SCI-Expanded, Scopus)
11. **Enzyme-Based Antiviral Potential of *Cinnamomum verum* J. Presl. Essential Oil and Its Major Component (*E*)-Cinnamaldehyde**
Karadag A., BİLTEKİN KALELİ S. N., Ghani U., DEMİRCİ B., DEMİRCİ F.
ACS OMEGA, vol.9, pp.14118-14122, 2024 (SCI-Expanded, Scopus)
12. **Ginger essential oil-loaded hydrogels: preparation, characterization, cytotoxicity, antimicrobial and anti-inflammatory activity**
ARPA M. D., KESMEN E. E., ARSLAN T., KARADAĞ A. E., BİLTEKİN KALELİ S. N., DEMİRCİ F.
JOURNAL OF ESSENTIAL OIL RESEARCH, vol.36, no.1, pp.16-29, 2024 (SCI-Expanded, Scopus)
13. **Antimicrobial evaluation of *Tripleurospermum callosum* (Boiss. & Heldr.) E. Hossain extracts using in vitro and in vivo *Caenorhabditis elegans* model against urinary system pathogens**
Göger G., Yüksel D., Göger F., Köse Y. B., Demirci F.
International Journal of Environmental Health Research, vol.34, no.3, pp.1466-1478, 2024 (SCI-Expanded, Scopus)
14. **In vitro antimicrobial activity of chlorhexidine in combination with essential oils of *Mentha x***

piperita L. & *Thymus serpyllum* L. & *Pelargonium graveolens* L'hér

KARADAĞ A. E., KAHYA S. E., Oz A. c., Demirci B., DEMİRCİ F.

JOURNAL OF ESSENTIAL OIL RESEARCH, vol.36, no.6, pp.606-613, 2024 (SCI-Expanded, Scopus)

15. **In vitro anti-inflammatory activities of Tanacetum parthenium L. extract and its major metabolite parthenolide**
BAYDAR R., KARADAĞ A. E., BİLTEKİN KALELİ S. N., Güzelmeriç E., DEMİRCİ F.
Acta Pharmaceutica Scientia, vol.62, no.1, pp.183-192, 2024 (Scopus)
16. **Microbial Transformation of Hesperidin and Biological Evaluation**
Kirci D., DEMİRCİ F., DEMİRCİ B.
ACS OMEGA, no.45, pp.42610-42621, 2023 (SCI-Expanded, Scopus)
17. **Comparative In Vitro and In Silico Enzyme Inhibitory Screening of Rosa x damascena and Pelargonium graveolens Essential Oils and Geraniol**
KARADAĞ A. E., BİLTEKİN KALELİ S. N., DEMİRCİ B., DEMİRCİ F., Ghani U.
PLANTS-BASEL, vol.12, no.18, 2023 (SCI-Expanded, Scopus)
18. **Synergistic antibacterial evaluation of Coriandri aetheroleum and linalool with standard antibiotics**
ÖZTÜRK G., GÖGER G., DEMİRCİ F., DEMİRCİ B.
INTERNATIONAL JOURNAL OF SECONDARY METABOLITE, vol.10, no.3, pp.323-331, 2023 (Scopus, TRDizin)
19. **In Vitro and In Silico Evaluation of ACE2 and LOX Inhibitory Activity of Origanum Essential Oils and Carvacrol (#)**
DEMİRCİ F., Terali K., Karadag A. E., Biltekin S. N., Sakalli E. A., DEMİRCİ B., Kosar M., Baser K. H. C.
PLANTA MEDICA, no.08, pp.790-799, 2023 (SCI-Expanded, Scopus)
20. **In Vitro Anti-Inflammatory and Anticancer Evaluation of Mentha spicata L. and Matricaria chamomilla L. Essential Oils**
BİLTEKİN KALELİ S. N., KARADAĞ A. E., DEMİRCİ F., DEMİRCİ B.
ACS OMEGA, no.19, pp.17143-17150, 2023 (SCI-Expanded, Scopus)
21. **Chemical Characterization and Multidirectional Biological Effects of Different Solvent Extracts of Arum elongatum: in Vitro and in Silico Approaches**
Fawzi Mahomoodally M., ZENGİN G., Roumita S., Caprioli G., Mustafa A. M., Piatti D., YILDIZTUGAY E., Ak G., Esra Karadag A., Khalid A., et al.
CHEMISTRY & BIODIVERSITY, vol.20, 2023 (SCI-Expanded, Scopus)
22. **In vitro Antioxidant, Enzyme Inhibitory and Antimicrobial Evaluation of Sideritis caesarea H. Duman, Aytac & Baser Extracts**
GÜNBATAN T., GÜRBÜZ İ., Karaca N., DEMİRCİ F.
NATURAL PRODUCT COMMUNICATIONS, vol.18, no.4, 2023 (SCI-Expanded, Scopus)
23. **Enhanced Bioactivity of Rosemary, Sage, Lavender, and Chamomile Essential Oils by Fractionation, Combination, and Emulsification**
Karaca N., DEMİRCİ B., Gavahian M., DEMİRCİ F.
ACS Omega, vol.8, no.12, pp.10941-10953, 2023 (SCI-Expanded, Scopus)
24. **In Vitro Antiviral Evaluations of Coldmix®: An Essential Oil Blend against SARS-CoV-2.**
Başer K. H. C., Karadağ A. E., Biltekin S. N., Ertürk M., Demirci F.
Current issues in molecular biology, vol.45, no.1, pp.677-684, 2023 (SCI-Expanded, Scopus)
25. **Traditional Herbal Drugs against Liver Diseases - Experimented *in vitro* using HepG2 Cells for Induced Steatosis**
KARADAĞ A. E., Okur M. E., Ozhan Y., SİPAHİ H., DEMİRCİ F.
JOURNAL OF RESEARCH IN PHARMACY, vol.27, no.5, pp.1831-1847, 2023 (ESCI, Scopus, TRDizin)
26. **Effect of Extraction Time on Origanum onites L. Infusions and Essential Oils – Biological Evaluation, Statistical Principal Component and Hierarchical Cluster Analyses**
DEMİRCİ B., Kirci D., ÖZTÜRK G., DEMİRCİ F.
Chemistry and Biodiversity, vol.19, no.12, 2022 (SCI-Expanded, Scopus)
27. **Herbal Preparations Used Against Fatty Liver Disease: Systematic Review**
KARADAĞ A. E., DEMİRCİ F.

Literatür Eczacılık Bilimleri Dergisi, vol.11, no.3, pp.177-188, 2022 (TRDizin)

28. **ACE2 and LOX Enzyme Inhibitions of Different Lavender Essential Oils and Major Components Linalool and Camphor**
Biltekin S. N., Karadag A. E., DEMİRCİ B., DEMİRCİ F.
ACS OMEGA, vol.7, pp.36561-36566, 2022 (SCI-Expanded, Scopus)
29. **Fungal biotransformation of cedramber**
ÖZŞEN BATUR Ö., KIRAN İ., DEMİRCİ F., Baser K. H. C.
BIOCATALYSIS AND BIOTRANSFORMATION, vol.40, no.4, pp.248-251, 2022 (SCI-Expanded, Scopus)
30. **In vitro and in silico Evaluation of ACE2 and LOX Inhibitory Activity of Eucalyptus Essential Oils, 1,8-Cineole, and Citronellal**
Sakalli E. A., Terali K., Karadag A. E., Biltekin S. N., Kosar M., DEMİRCİ B., Baser K. H. C., DEMİRCİ F.
NATURAL PRODUCT COMMUNICATIONS, vol.17, no.6, 2022 (SCI-Expanded, Scopus)
31. **Thiazole inhibitors of α -glucosidase: Positional isomerism modulates selectivity, enzyme binding and potency of inhibition**
Ghani U., Ashraf S., Haq Z. U., KAPLANCIKLİ Z. A., DEMİRCİ F., ÖZKAY Y., Afzal S.
Computational Biology and Chemistry, vol.98, 2022 (SCI-Expanded, Scopus)
32. **In vitro ACE2 and 5-LOX Inhibition of Rosmarinus officinalis L. Essential Oil and its Major Component 1,8-Cineole**
DEMİRCİ F., Karadag A. E., Biltekin S. N., DEMİRCİ B.
RECORDS OF NATURAL PRODUCTS, vol.16, no.2, pp.194-199, 2022 (SCI-Expanded, Scopus, TRDizin)
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102. **A Rapid Microdistillation Method for the Texas and Turkish Salvia Species and Their Genetic Profiles**
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104. **Evaluation of the Angiogenic Activity of Salvia triloba L. Essential Oil**
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Academic and Administrative Experience

2014 - 2016	Dean	Anadolu University
2014 - 2014	Director of The Institution	Anadolu University
2010 - 2014	Assistant Director of the Institute	Anadolu University

Courses

Doctorate

Bitkilerde Biyosentez II, Doctorate, 2013 - 2014, 2012 - 2013, 2011 - 2012
Farmakognoziye Biyotransformasyon, Doctorate, 2013 - 2014, 2011 - 2012, 2009 - 2010, 2007 - 2008
Bitkilerde Biyosentez I, Doctorate, 2012 - 2013

Postgraduate

Fitoterapide Kullanılan Droglar II , Postgraduate, 2015 - 2016, 2013 - 2014
Farmakopelerde Bitkisel Ürünle, Postgraduate, 2015 - 2016, 2013 - 2014, 2011 - 2012, 2010 - 2011
Bilim Etiği, Postgraduate, 2015 - 2016, 2014 - 2015
Bilimsel, Tıbbi ve Mesleki Etik -, Postgraduate, 2014 - 2015
Farmakognoziye Biyotransformasyon, Postgraduate, 2013 - 2014, 2011 - 2012, 2009 - 2010, 2007 - 2008, 2005 - 2006
Farmakopelerde Bitkisel Preparatlar, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2009 - 2010, 2007 - 2008
Bitkilerde Biyosentez I ve II, Postgraduate, 2013 - 2014, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003
Farmakobiyoteknoloji, Postgraduate, 2013 - 2014

Undergraduate

Bilimsel ve Mesleki Etik, Undergraduate, 2015 - 2016
Bitkisel Preparatlar, Undergraduate, 2013 - 2014, 2011 - 2012, 2007 - 2008
Farmakognozi Teorik II, Undergraduate, 2012 - 2013
Farmakognozi uygulama I-III, Undergraduate, 2012 - 2013, 2011 - 2012, 2009 - 2010, 2007 - 2008, 2006 - 2007, 2005 - 2006
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Supervised Theses

Demirci F., Koşar M., Doğal madde ve kombinasyonlarının enzimatik In Vitro antimikrobiyal ve antiviral etkileri,

Doctorate, E.AK(Student), 2024

Demirci F., Büyükköroğlu G., Kitosan ve standardize bitkisel ekstre kombinasyonlarıyla yara bakım formülasyonu geliştirilmesine yönelik ön çalışmalar, Postgraduate, C.TURHAL(Student), 2024

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Demirci F., Karacığer yağlanması karşı fitoterapötik formülasyonların geliştirilmesi, Doctorate, A.ESRA(Student), 2022

Demirci F., Uçucu yağ içeren emülsifiye sistemlerin santral sinir sistemi üzerindeki etkilerinin in vitro değerlendirilmesi, Doctorate, N.KARACA(Student), 2021

Demirci F., Bazı bitkisel tentürlerde farmakope analizleri ve antimikrobiyal aktivite tayini, Postgraduate, B.HENDEN(Student), 2020

Demirci F., Marrubium vulgare l.'nin farmakognozik incelenmesi, Postgraduate, S.SEHA(Student), 2019

Demirci F., Matrin ve oksimatrinin mikrobiyal transformasyonu ve metabolitlerinin kolinesteraz inhibisyonu, Postgraduate, A.ESRA(Student), 2017

Demirci F., Antimikrobiyal maddelerin etkinliğini arttıran uçucu yağ ve bileşenlerinin belirlenmesi, Doctorate, G.GÖGER(Student), 2016

Demirci F., Lavandula latifolia medik. uçucu yağının anjiyogenez ve bazı matriks metalloproteinaz (MMP) enzimleri üzerine etkileri, Postgraduate, G.ŞENER(Student), 2016

Demirci F., Sinüzit patojenlerinin uçucu yağ ve bileşenlerle inhibisyonu, Postgraduate, N.KARACA(Student), 2015

Demirci F., Tetrahidrokarvonun biyotransformasyonu ve biyolojik etkileri, Postgraduate, M.DUSAK(Student), 2012

Demirci F., Timokinonun mikrobiyal biyotransformasyonu, Postgraduate, G.ÇAYIRDERE(Student), 2010

Patent

Demirci F., Rosmarinus officinalis L. uçucu yağından mikroemülsiyon formülasyonunun geliştirilmesi ve bu formülasyonların antifungal etkisi, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2020 05078 , Standard Registration, 2024

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Activities in Scientific Journals

ACTA PHARMACEUTICA SCIENTIA, Scientific Committee Membership, 2017 - Present

PHYTOCHEMICAL ANALYSIS, Advisory Committee Member, 2012 - Present

NATURAL PRODUCT COMMUNICATIONS, Advisory Committee Member, 2009 - Present

Metrics

Publication: 334

H-Index (WoS): 36

H-Index (Scopus): 42

Invited Talks

<https://psemeetingiasi2022.eu/>, Conference, Phytochemical society of europe, Romania, September 2022

Research Areas

Pharmacognosy