

Assoc. Prof. NADİRE ÖZENVER

Personal Information

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International Researcher IDs

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Yoksis Researcher ID: 184934

Education Information

Doctorate, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, Turkey 2012 - 2018

Undergraduate, Hacettepe University, Eczacılık Fakültesi, Turkey 2006 - 2011

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Isolation of potential drug candidate molecules from *Rumex acetosella* L. and in silico, in vitro researches on those molecules, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2018

Research Areas

Health Sciences, Pharmacology and Therapeutics, Professional Sciences, Pharmacognosy

Academic Titles / Tasks

Assistant Professor, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2022 - Continues

Research Assistant, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2012 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- Biginelli dihydropyrimidines carrying azole rings: Synthesis, computational studies, and evaluation of alpha-glucosidase inhibitory and antimicrobial activities**
KOÇAK ASLAN E., Armaković S. J., Armaković S., ÖZENVER N., ÖZKUL KOÇAK C., GÜNDÜZ M. G.
Journal of Molecular Structure, vol.1306, 2024 (SCI-Expanded)
- Structure-activity relationship of anticancer drug candidate quinones**
ÖZENVER N., Sönmez N., Yüzbaşıoğlu Baran M., UZ A., DEMİREZER L. Ö.

Turkish Journal of Chemistry, vol.48, no.1, pp.152-165, 2024 (SCI-Expanded)

- III. **Molecular Modes of Action of an Aqueous Nerium oleander Extract in Cancer Cells In Vitro and In Vivo**
Rashan L. J., Özenver N., Boulos J. C., Dawood M., Roos W. P., Franke K., Papatotiriou I., Wessjohann L. A., Fiebig H., Efferth T.
Molecules (Basel, Switzerland), vol.28, no.4, 2023 (SCI-Expanded)
- IV. **Identification of Prognostic and Predictive Biomarkers and Druggable Targets among 205 Antioxidant Genes in 21 Different Tumor Types via Data-Mining**
Özenver N., Efferth T.
Pharmaceutics, vol.15, no.2, 2023 (SCI-Expanded)
- V. **Ethnopharmacology, phytochemistry, chemical ecology and invasion biology of Acanthus mollis L.**
Özenver N., Efferth M., Efferth T.
Journal of Ethnopharmacology, vol.285, 2022 (SCI-Expanded)
- VI. **Kinome-Wide Profiling Identifies Human WNK3 as a Target of Cajanin Stilbene Acid from Cajanus cajan (L.) Millsp.**
oezenver N., Kadioglu O., Fu Y., Efferth T.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.23, no.3, 2022 (SCI-Expanded)
- VII. **Cancer combination therapy with carnosic acid**
ÖZENVER N., Efferth T.
BIOCELL, vol.46, 2022 (SCI-Expanded)
- VIII. **Phytochemical inhibitors of the NLRP3 inflammasome for the treatment of inflammatory diseases.**
Özenver N., Efferth T.
Pharmacological research, vol.170, 2021 (SCI-Expanded)
- IX. **Identification and characterization of deschloro-chlorothricin obtained from a large natural product library targeting aurora A kinase in multiple myeloma**
ÖZENVER N., Abdelfatah S., Klinger A., Fleischer E., Efferth T.
INVESTIGATIONAL NEW DRUGS, vol.39, no.2, pp.348-361, 2021 (SCI-Expanded)
- X. **Activity of Cordycepin From Cordyceps sinensis Against Drug-Resistant Tumor Cells as Determined by Gene Expression and Drug Sensitivity Profiling**
ÖZENVER N., Boulos J. C., Efferth T.
NATURAL PRODUCT COMMUNICATIONS, vol.16, no.2, 2021 (SCI-Expanded)
- XI. **Inhibitory potential on key enzymes relevant to type II diabetes mellitus and antioxidant properties of the various extracts and phytochemical constituents from Rumex acetosella**
ÖZENVER N., GÜVENALP Z., Kuruuzum-Uz A., DEMİREZER L. Ö.
JOURNAL OF FOOD BIOCHEMISTRY, vol.44, no.10, 2020 (SCI-Expanded)
- XII. **Chemometric and Transcriptomic Profiling, Microtubule Disruption and Cell Death Induction by Secalonic Acid in Tumor Cells**
ÖZENVER N., Dawood M., Fleischer E., Klinger A., Efferth T.
MOLECULES, vol.25, no.14, 2020 (SCI-Expanded)
- XIII. **Small molecule inhibitors and stimulators of inducible nitric oxide synthase in cancer cells from natural origin (phytochemicals, marine compounds, antibiotics)**
Oezenver N., Efferth T.
BIOCHEMICAL PHARMACOLOGY, vol.176, 2020 (SCI-Expanded)
- XIV. **Immunotoxicity of Therapeutic Antibodies and Nanoparticles**
Ozenver N., Efferth T.
CRITICAL REVIEWS IN IMMUNOLOGY, vol.40, no.1, pp.53-74, 2020 (SCI-Expanded)
- XV. **Biopiracy versus One-World Medicine-From colonial relicts to global collaborative concepts**
Efferth T., Banerjee M., Abu-Darwish M. S., Abdelfatah S., Boeckers M., Bhakta-Guha D., Bolzani V., Daak S., Demirezer O. L., Dawood M., et al.
PHYTOMEDICINE, vol.53, pp.319-331, 2019 (SCI-Expanded)
- XVI. **Aloe-emodin as drug candidate for cancer therapy**

ÖZENVER N., SAEED M., DEMİREZER L. Ö., EFFERTH T.

Oncotarget, vol.9, no.25, pp.17770-17796, 2018 (SCI-Expanded)

XVII. **Biopiracy of natural products and good bioprospecting practice**

Efferth T., Banerjee M., Paul N. W., Abdelfatah S., Arend J., Elhassan G., Hamdoun S., Hamm R., Hong C., Kadioglu O., et al.

PHYTOMEDICINE, vol.23, no.2, pp.166-173, 2016 (SCI-Expanded)

XVIII. **Molecular docking and ex vivo and in vitro anticholinesterase activity studies of Salvia sp and highlighted rosmarinic acid**

DEMİREZER L. Ö., GURBUZ P., KELİCEN UĞUR E. P., BODUR M., ÖZENVER N., UZ A., GÜVENALP Z.

TURKISH JOURNAL OF MEDICAL SCIENCES, vol.45, no.5, pp.1141-1148, 2015 (SCI-Expanded)

XIX. **In silico docking researches of some human proteins with anthranoids**

DEMİREZER L. Ö., SEZERMAN O. U., ÖZENVER N., UZUN M., YÜKSELEN O., UZ A.

Planta Medica, vol.79, pp.1175, 2013 (SCI-Expanded)

Articles Published in Other Journals

I. **Cannabidiol (CBD) for relief from pain, anxiety, and epilepsy: A review**

ÖZENVER N., Agrawal D. C.

International Journal of Applied Science and Engineering, vol.19, no.4, 2022 (Scopus)

II. **MOLECULAR DOCKING OF ANTHRANOIDS ON SOME TARGETED HUMAN PROTEINS**

DEMİREZER L. Ö., ÖZENVER N., UZUN M., Yükselen O., Güvenalp Z., Sezerman O. U.

FABAD Journal of Pharmaceutical Sciences, vol.41, pp.1-16, 2017 (Scopus)

Books & Book Chapters

I. **Anticancer Potential of Ganoderma lucidum and Its Underlying Mechanisms**

Gündoğdu S., Özenver N.

in: Mushrooms with Therapeutic Potentials Recent Advances in Research and Development, Dinesh Chandra Agrawal, Muralikrishnan Dhanasekaran, Editor, Springer Nature, Singapore, pp.221-240, 2023

II. **Cordyceps militaris (L.): Medicinal Aspects in Terms of Ethnobotanical and Pharmacological Perspectives**

Taştekin N. H., Özenver N.

in: Mushrooms with Therapeutic Potentials Recent Advances in Research and Development, Dinesh Chandra Agrawal, Muralikrishnan Dhanasekaran, Editor, Springer Nature, Singapore, pp.345-367, 2023

III. **Evaluation of immunomodulatory potential of medicinal plants—Present scenario**

Özenver N., Efferth T.

in: Evidence-Based Validation of Herbal Medicine (Second Edition), Pulok Kumar Mukharjee, Editor, Elsevier Science, Oxford/Amsterdam, Amsterdam, pp.487-500, 2022

IV. **Cannabis in Healthcare: Ethnobotanical and Pharmaceutical Perspectives and Legal Status in Turkey and the Middle East**

Özenver N.

in: Cannabis/Marijuana for Healthcare, Dinesh Chandra Agrawal, Rajiv Kumar, Muralikrishnan Dhanasekaran, Editor, Springer Nature, Singapore, pp.131-154, 2022

V. **Mitosis Inhibitors and Medicinal Plants: Neurotoxicity and Neuroprotection.**

Özenver N., Efferth T.

in: Medicinal Herbs and Fungi, Dinesh Chandra Agrawal, Muralikrishnan Dhanasekaran, Editor, Springer, London/Berlin, Singapore, pp.1-35, 2021

VI. **Integration of phytochemicals and phytotherapy into cancer precision medicine.**

Özenver N., Efferth T.

in: Approaching Complex Diseases, Network-Based Pharmacology and Systems Approach in Bio-Medicine, Mariano Bizzarri, Editor, Springer, London/Berlin , Zug, pp.355-393, 2020

VII. Therapeutic targeting of SNAIL, RKIP, and YY1 in tumor metastasis and drug resistance.

Özenver N., Efferth T.

in: Prognostic and Therapeutic Applications of RKIP in Cancer., Benjamin Bonavida, Stavroula Baritaki, Editor, Academic Press , Oxford, pp.357-387, 2020

VIII. Rumex acetosa L.

ÖZENVER N., DEMİREZER L. Ö.

in: FFD Monografıları- Bitkiler ve Etkileri” Kitabı Hakkında, Demirezer LÖ., Ersöz T., Saraçoğlu İ., Şener B., Köroğlu A., Yalçın FN., Editor, Akademisyen Kitabevi, Ankara, pp.953-958, 2017

IX. Rumex acetosella L.

ÖZENVER N., DEMİREZER L. Ö.

in: FFD Monografıları "Bitkiler ve Etkileri", Demirezer LÖ., Ersöz T., Saraçoğlu İ., Şener B., Köroğlu A., Yalçın FN., Editor, Akademisyen, Ankara, pp.959-962, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Türkiye’de yetişen Rumex türleri üzerinde fitokimyasal çalışmalar**
UZ A., UZUN M., ÖZENVER N., GÜRBÜZ F., DEMİREZER L. Ö.
23. Bitkisel İlaç Hammaddeleri Toplantısı, Turkey, 9 - 12 April 2018
- II. **Phenolic compounds from the leaves of Cotinus coggygria Scop. with alpha glucosidase inhibition**
Özbek H., Yuca H., Gözcü S., Dursunoğlu B., ÖZENVER N., Kazaz C., Önal M., DEMİREZER L. Ö., Guvenalp Z.
3 rd International Multidisciplinary Symposium on Drug Research and Development, Erzurum, Turkey, 05 October 2017, pp.1
- III. **Structure determination and preliminary cytotoxicity researches of the compounds isolated from Rumex acetosella L. on leukemia cells**
ÖZENVER N., Saeed M. E., Kauh U., Guvenalp Z., DEMİREZER L. Ö., Opatz T., Efferth T.
65th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Basel, Switzerland, 03 September 2017, pp.44
- IV. **Sun Protection Factor (SPF) and antioxidant capacity of Lavandula angustifolia L.**
Gönülalan E. M., ÖZENVER N., DEMİREZER L. Ö.
65th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Basel, Switzerland, 03 September 2017, pp.322-323
- V. **Aloe-emodin’s cytotoxicity against CCRF-CEM cells: NF-κB as a major player induces apoptosis**
ÖZENVER N., Saeed M. E., DEMİREZER L. Ö., Efferth T.
65th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Basel, Switzerland, 03 September 2017, pp.45
- VI. **Determination of Sun Protection Factor (SPF) and antioxidant capacity of Tanacetum parthenium**
Gönülalan E. M., UZUN M., ÖZENVER N., DEMİREZER L. Ö.
65th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Basel, Switzerland, 03 September 2017, pp.111
- VII. **Cytotoxicity of aloe-emodin towards several drug sensitive cells and their resistant counterparts.**
ÖZENVER N., Saeed M. E., DEMİREZER L. Ö., Efferth T.
65th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Basel, Switzerland, 03 September 2017, pp.44
- VIII. **Sun protective potential and antioxidant capacity of Rosa damascena petal extracts.**
AĞAR O. T., Gönülalan E. M., ÖZENVER N., UZUN M., DEMİREZER L. Ö.
XXIst International Congress "Phytopharm 2017", Graz, Austria, 02 July 2017, pp.1
- IX. **Rumex Türlerinde Bulunan Bazı Antranoitlerin Kemoterapötiklere Duyarlı CCRF-CEM ve Çoklu İlaç Direnci Geliştiren Karşılığı CEM/ADR5000 T lösemi Hücrelerindeki Sitotoksitesisi.**

ÖZENVER N., Saeed M. E., DEMİREZER L. Ö., Efferth T.

Bitkisel İlaç Hammaddeleri Toplantısı (BİHAT-2016), Trabzon, Turkey, 01 September 2016, pp.1

- X. **Cytotoxicity of main anthraquinone aglycons towards drug sensitive and multi drug resistant T leukaemia cancer cells.**
ÖZENVER N., Saeed M. E., DEMİREZER L. Ö., Efferth T.
9th Joint Natural Products Conference 2016, Kopenhagen, Denmark, 24 July 2016
- XI. **Chrysophanol- and nepodin-8-O-β-D-glucopyranoside from Rumex acetosella, the cytotoxicity towards drug sensitive and multi- drug resistant T leukaemia cancer cells**
ÖZENVER N., Saeed M. E., DEMİREZER L. Ö., Guvenalp Z., Efferth T.
9th Joint Natural Products Conference 2016, Kopenhagen, Denmark, 24 July 2016, vol.81
- XII. **Determination of Phytoestrogenic Potential of Anthranoids by Molecular Docking Studies.**
DEMİREZER L. Ö., ÖZENVER N., UZUN M., Guvenalp Z.
8th International Symposium on Computational Methods in Toxicology and Pharmacology Integrating Internet Resources., Sakız Adası, Greece, 21 June 2015, pp.1
- XIII. **Molecular Docking of Anthranoids on Some Targeted Human Proteins; Rapid Natural Drug Discovery.**
DEMİREZER L. Ö., ÖZENVER N., UZUN M., Yükselen O., Guvenalp Z., Sezerman O. U.
8th International Symposium on Computational Methods in Toxicology and Pharmacology Integrating Internet Resources., Sakız Adası, Greece, 21 June 2015, pp.1
- XIV. **Alpha Glucosidase Inhibition and Antioxidant Potential of Some Rumex acetosella L Extracts**
ÖZENVER N., DEMİREZER L. Ö.
11th International Symposium on Pharmaceutical Sciences (ISOPS-11), Ankara, Turkey, 09 June 2015, pp.1
- XV. **Suppression of Diabetic Retinopathy Formation via Alpha-Amylase and Glucosidase Inhibition Potential of Rumex acetosella L.**
ÖZENVER N., DEMİREZER L. Ö.
Fourth International Meeting on Pharmacy & Pharmaceutical Sciences (IMPPS-4), İstanbul, Turkey, 18 September 2014, pp.1
- XVI. **Alpha amylase and aldose reductase inhibitory effect of Rheum ribes L**
ÖZENVER N., Sarıkaya M., Evcimen N., Guvenalp Z., UZ A., DEMİREZER L. Ö.
Trends in Natural Products Research A Young Scientists Meeting, Olomouc, Czech Republic, 23 July 2014, pp.1
- XVII. **In silico and in vitro researches of some anthraquinone compounds on alpha amylase and aldose reductase targets**
ÖZENVER N., Sarıkaya M., Evcimen N., Guvenalp Z., UZ A., DEMİREZER L. Ö.
Trends in Natural Products Research A Young Scientists Meeting, Olomouc, Czech Republic, 23 July 2014, pp.1
- XVIII. **In-silico Docking Researches of Some Human Proteins with Anthranoids**
DEMİREZER L. Ö., Sezerman O. U., ÖZENVER N., UZUN M., Yükselen O., UZ A.
61st International Congress and The Annual Meeting of The Society for Medicinal Plant and Natural Product Research (GA), Münster, Germany, 01 September 2013, pp.1

Supported Projects

ÇANKAYA İ. İ., UÇAR G., NİGİZ Ş., GÜLPINAR A. R., DURKAYA K., BOZKURT BAKAL S., KAYAALP K., ASLAN ERDEM S., MELEK İ., SABUNCUOĞLU S., et al., Project Supported by Higher Education Institutions, Türkiyede yaygın olarak yetişen Achillea millefolium L bitkisinden premenstrual semptomların giderilmesinde kullanılmak üzere geleneksel bitkisel tıbbi ürün geliştirilmesi, 2022 - Continues

DEMİREZER L. Ö., ÖZENVER N., Project Supported by Higher Education Institutions, Rumex acetosella L. bitkisinden potansiyel ilaç adayı moleküllerin izolasyonu ve moleküller üzerinde in silico, in vitro araştırmalar, 2018 - 2018

DEMİREZER L. Ö., ÖZENVER N., Project Supported by Higher Education Institutions, Kanseri tedavisinde bir ilaç adayı: Aloe-emodin, 2017 - 2017

DEMİREZER L. Ö., YERDELEN K., ÖZENVER N., GÜVENALP Z., BODUR M., Project Supported by Higher Education

Institutions, Moleküler doking çalışmaları ile antranoitlerin fitoöstrojenik potansiyellerinin belirlenmesi, 2015 - 2015

Memberships / Tasks in Scientific Organizations

Hacettepe Üniversitesi Farmakognozi Araştırma ve Geliştirme Derneği (HAFAG), Member, 2014 - Continues

The Society for Medicinal Plant and Natural Product Research (GA), Member, 2013 - Continues

Farmakognozi ve Fitoterapi Derneği (FFD), Member, 2013 - Continues

Hacettepe Üniversitesi Mezunlar Derneği, Member, 2013 - Continues

Metrics

Publication: 51

Citation (WoS): 102

Citation (Scopus): 176

H-Index (WoS): 6

H-Index (Scopus): 6

Congress and Symposium Activities

65th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Attendee, Basel, Switzerland, 2017

Conference on Science and Society 2017: "Phytomedicine and Biopiracy" ICSS-2017, Attendee, Mainz, Germany, 2017

International Symposium on Streamlining Drug Discovery, Attendee, Basel, Switzerland, 2016

The 3rd Annual Meeting of The Specialty Committee of Immunology of Traditional Chinese Medicine of the World Federation of Chinese Medicine Societies, Attendee, Mainz, Germany, 2016

9th Joint Natural Products Conference 2016, Attendee, København, Denmark, 2016

Fit for Health 2.0- International Training for Horizon 2020 Applicants in Health, Demographic Change and Wellbeing, Attendee, Roma, Italy, 2016

11th International Symposium on Pharmaceutical Sciences (ISOPS), Attendee, Ankara, Turkey, 2015

Bilimsel Yayıncılık Kursu-III, Attendee, Turkey, 2015

Fourth International Meeting on Pharmacy & Pharmaceutical Sciences (IMPPS-4), Attendee, İstanbul, Turkey, 2014

Trends in Natural Products Research A Young Scientists Meeting, Attendee, Olomouc, Czech Republic, 2014

Bir Bilimsel Dergi Makalesi Nasıl Yayımlanır?, Attendee, Ankara, Turkey, 2014

Farmakognozi ve Fitoterapi Derneği Workshop-1; Doğal bileşiklerin yapı tayininde 1D, 2D NMR Teknikleri: Pratik Çalışma, Attendee, Turkey, 2013

61st International Congress and The Annual Meeting of The Society for Medicinal Plant and Natural Product Research (GA), Attendee, Münster, Germany, 2013

İlaç Araştırmalarında Uygulamalı Moleküler Modelleme ve Simülasyon Teknikleri Kursu, Attendee, Ankara, Turkey, 2013

Klinik Araştırmalara Giriş Eğitimi, Attendee, Turkey, 2012

Membran bağlı Protein & Ligand Docking Workshop, Attendee, İstanbul, Turkey, 2012

Membran Yapısı ve Etkileşimleri, Attendee, Turkey, 2012

Bitkiden İlaç-4, Attendee, Turkey, 2012

Non Academic Experience

Johannes Gutenberg University