

Asst. Prof. ZEYNEP DOĞAN

Personal Information

Office Phone: [+90 312 305 1089](tel:+903123051089)

Email: zeynep.ocak@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/zeynep.ocak>

Address: Hacettepe Üniversitesi Eczacılık Fakültesi Farmakognozi Abd. Kat:5 Altındağ/Ankara

International Researcher IDs

ORCID: 0000-0002-0108-6040

Yoksis Researcher ID: 177282

Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmakognozi Abd., Turkey 2011 - 2018

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

Foreign Languages

English, B2 Upper Intermediate

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, 2011 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Interactions between phenolic constituents of *Scutellaria salviifolia* and key targets associated with inflammation: network pharmacology, molecular docking analysis and in vitro assays**
DOĞAN Z., KUTLUAY V. M., GENÇ Y., SARAÇOĞLU İ.
Journal of Biomolecular Structure and Dynamics, vol.41, no.4, pp.1281-1294, 2023 (SCI-Expanded)
- II. **Food plant with antioxidant, tyrosinase inhibitory and antimelanoma activity: *Prunus mahaleb* L**
Bayrakçeken Güven Z., Doğan Z., Saraçoğlu İ., Picot L., Nagatsu A., Basaran A. A.
Food Bioscience, vol.48, 2022 (SCI-Expanded)
- III. ***Scutellaria brevibracteata* Stapf and active principles with anti-inflammatory effects through regulation of NF-κB/COX-2/iNOS pathways**
DOĞAN Z., TELLİ G., TEL B. C., SARAÇOĞLU İ.
Fitoterapia, vol.158, 2022 (SCI-Expanded)
- IV. **IRIDOIDS FROM *Veronica crista-galli* FROM THE FLORA OF AZERBAIJAN**

SARAÇOĞLU İ., Suleimanov T., Pashaeva N., DOĞAN Z., Inoue M., Nakashima K.

CHEMISTRY OF NATURAL COMPOUNDS, vol.56, no.4, pp.751-753, 2020 (SCI-Expanded)

- V. **New acylated iridoid glucosides from *Scutellaria glaphyrostachys* Rech.f. and chemotaxonomic importance for the genus *Scutellaria***
DOĞAN Z., Ishiuchi K., Makino T., SARAÇOĞLU İ.
PHYTOCHEMISTRY LETTERS, vol.32, pp.157-161, 2019 (SCI-Expanded)
- VI. **Evaluation of Some Biological Effects of *Incarvillea emodi* (Royle ex Lindl.) Chatterjee and Determination of Its Active Constituents**
Ihtesham Y., Khan U., DOĞAN Z., KUTLUAY V. M., SARAÇOĞLU İ.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.25, no.2, pp.171-178, 2019 (SCI-Expanded)
- VII. **Alpha-pyrone glycosides from *Scutellaria salviifolia* Benth**
DOĞAN Z., Ishiuchi K., Makino T., SARAÇOĞLU İ.
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.3, pp.972-981, 2019 (SCI-Expanded)
- VIII. **Iridoids and Phenylethanoid Glycosides from *Phlomis pungens* of the Flora of Azerbaijan**
SARAÇOĞLU İ., SULEIMANOV T., SHUKUROVA A., DOĞAN Z.
CHEMISTRY OF NATURAL COMPOUNDS, vol.53, no.3, pp.576-579, 2017 (SCI-Expanded)
- IX. **Bioactivity based phytochemical studies on *Scutellaria salviifolia* Benth**
DOĞAN Z., KUTLUAY V. M., SARAÇOĞLU İ.
Planta Medica, vol.81, 2015 (SCI-Expanded)
- X. **Antioxidant potential of *Incarvillea emodi* (Royle ex Lindl.) Chatterjee**
Ihtesham Y., KUTLUAY V. M., DOĞAN Z., Khan U., SARAÇOĞLU İ.
PLANTA MEDICA, vol.79, no.13, pp.1253, 2013 (SCI-Expanded)
- XI. **Microalgae: From culture medium to medicine**
Sensoy M., DOĞAN Z., Dalay C. M., Demirel Z., SARAÇOĞLU İ.
PLANTA MEDICA, vol.79, no.13, pp.1272, 2013 (SCI-Expanded)
- XII. **Studies on antioxidant potential and active compounds of *Scutellaria salviifolia* Benth**
DOĞAN Z., Harput S., SARAÇOĞLU İ.
PLANTA MEDICA, vol.79, no.13, pp.1213, 2013 (SCI-Expanded)
- XIII. **Studies on Antioxidant Potential and Active Compounds of *Scutellaria salviifolia* BENTHAM**
Doğan Z., Harput Ü. Ş., Saraçoğlu İ.
Planta Medica, vol.79, no.13, pp.1213, 2013 (SCI-Expanded)
- XIV. **Microalgae From Culture Medium to Medicine**
Şensoy M., Doğan Z., Dalay M., Demirel Gökalp Z., Saraçoğlu İ.
Planta Medica, vol.79, no.13, pp.1272, 2013 (SCI-Expanded)
- XV. **Antioxidant Potential of *Incarvillea emodi* Royle ex Lindl Chatterjee**
IHTESHAM Y., KUTLUAY V. M., DOĞAN Z., KHAN U., SARAÇOĞLU İ.
Planta Medica, vol.79, no.13, pp.1253, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Nuclear receptor agonist activity studies on some Plantago species and *Scutellaria salviifolia* Benth.: A particular focus on liver x receptor alpha and retinoid x receptor alpha connected with the inflammation process**
KUTLUAY V. M., GENÇ Y., DOĞAN Z., Inoue M., SARAÇOĞLU İ.
Journal of Research in Pharmacy, vol.26, no.2, pp.272-278, 2022 (ESCI)
- II. **Chemical profiling and cytotoxic activity of aqueous extract of *Veronica peduncularis* M.Bieb.: A chemotaxonomical approach**
DOĞAN Z., Genc Y., Harput U. S., Pekgoz A. K., SARAÇOĞLU İ.
ISTANBUL JOURNAL OF PHARMACY, vol.51, no.3, pp.372-377, 2021 (ESCI)
- III. **Selective Cytotoxic Activity of *Scutellaria* Species**

Books & Book Chapters

- I. **Coenzym Q10**
Doğan Z., Saraçoğlu İ.
in: Food Supplements, Ekrem Sezik, Editor, Türkiye Klinikleri Yayınevi, Ankara, pp.65-71, 2021
- II. **Bölüm 20. Boswellia carterii**
DOĞAN Z., SARAÇOĞLU İ.
in: FFD Monografları Bitkiler ve Etkileri, Demirezer L.Ö., Ersöz T., Saraçoğlu İ., Şener B., Köroğlu A., Yalçın F.N., Editor, Akademisyen Kitabevi, Ankara, pp.163-170, 2017
- III. **Bölüm 21. Boswellia serrata**
DOĞAN Z., SARAÇOĞLU İ.
in: FFD Monografları Bitkiler ve Etkileri, Demirezer L.Ö., Ersöz T., Saraçoğlu İ., Şener B., Köroğlu A., Yalçın F.N., Editor, Akademisyen Kitabevi, Ankara, pp.171-184, 2017
- IV. **Bölüm 18. Berberis aquifolium**
DOĞAN Z., SARAÇOĞLU İ.
in: FFD Monografları Bitkiler ve Etkileri, Demirezer L.Ö., Ersöz T., Saraçoğlu İ., Şener B., Köroğlu A., Yalçın F.N., Editor, Akademisyen Kitabevi, Ankara, pp.149-156, 2017
- V. **Bölüm 111. Scutellaria baicalensis**
DOĞAN Z.
in: FFD Monografları Bitkiler ve Etkileri, Demirezer L.Ö., Ersöz T., Saraçoğlu İ., Şener B., Köroğlu A., Yalçın F.N., Editor, Akademisyen Kitabevi, Ankara, pp.995-1006, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Cytotoxicity and HPLC Studies on Anthraquinone Molecules and Rumex Root Extracts**
ÖZENVER N., GÜNDOĞDU S., KUTLUAY V. M., DOĞAN Z., UZ A., YALÇIN F. N., DEMİREZER L. Ö.
PSE Meeting 2023: PSE Natural Drug Discovery- Current Approach and Future Perspectives, Turkey, 12 - 15 October 2023
- II. **ISOLATION OF ANTI-INFLAMMATORY COMPOUNDS FROM SCUTELLARIA RUBICUNDA HORNEM. SUBSP. BREVIBRACTEATA J.R.EDM.**
Doğan Z., Saraçoğlu İ.
Modern Problems in Pharmacy, Baku, Azerbaijan, 23 - 24 April 2021, pp.139-140
- III. **Chemotaxonomic aspects of new acylated iridoids from endemic Scutellaria glaphyrostachys Rech. f.**
DOĞAN Z., ISHIUCHI K., MAKINO T., SARAÇOĞLU İ.
6th. World Congress of Medicinal and Aromatic Plants (WOCMAP VI), Famagusta-Magosa, Cyprus (Kkct), 13 - 17 November 2019
- IV. **Isolation and characterization of two new compounds from Scutellaria salviifolia Benth.**
DOĞAN Z., ISHIUCHI K., MAKINO T., SARAÇOĞLU İ.
6th. World Congress of Medicinal and Aromatic Plants (WOCMAP VI), Famagusta-Magosa, 13 - 17 November 2019
- V. **Isolation and characterization of iridoid glucosides from Veronica crista-galli Stev**
Pashayeva N., DOĞAN Z., Suleymanov T., SARAÇOĞLU İ.
6th. World Congress of Medicinal and Aromatic Plants (WOCMAP VI), Famagusta, Cyprus (Kkct), 13 - 17 November 2019
- VI. **Cytotoxic and Antimicrobial Activities of Prunus mahaleb L. Kernels, 6th. World Congress of Medicinal and Aromatic Plants (WOCMAP VI)**
BAYRAKÇEKEN Z., DOĞAN Z., EKİZOĞLU M., SARAÇOĞLU İ., BAŞARAN A. A.

6th. World Congress of Medicinal and Aromatic Plants (WOCMAP VI), Famagusta, Cyprus (Kktc), 13 - 17 November 2019

- VII. **Antioxidant, Antidiabetic Potential and a New flavonoid from *Opuntia ficus - indica* (L.) Mill.**, KELEŞ H. B., EKİN H. N., DOĞAN Z., SARAÇOĞLU İ., BAŞARAN A. A.
International Hippocrates Congress on Medical and Health Sciences, Ankara, Turkey, 1 - 03 March 2019, pp.59-65
- VIII. **Comparative LC-MS/MS studies on phytochemical contents of three endemic *Scutellaria* species**
DOĞAN Z., GÖGER F., KIRIMER N., SARAÇOĞLU İ.
12th International Symposium on Pharmaceutical Sciences (ISOPS), 26 - 29 June 2018
- IX. **A survey of *Opuntia ficus-indica* (L.) Mill. Fruits**
KELEŞ H. B., DOĞAN Z., SARAÇOĞLU İ., BAŞARAN A. A.
12th International Symposium on Pharmaceutical Sciences (ISOPS-12), 26 - 29 June 2018
- X. **Liver X receptor agonist activity of some medicinal plants from Turkey**
KUTLUAY V. M., GENÇ Y., DOĞAN Z., Inoue M., SARAÇOĞLU İ.
12th International Symposium on Pharmaceutical Sciences (ISOPS-12), 26 - 29 June 2018
- XI. **Therapeutic and economic aspects of cyanobacteria from geothermal sources in Afyonkarahisar province**
Şensoy M., DOĞAN Z., DALAY M., DEMİREL GÖKALP Z., SARAÇOĞLU İ.
12th International Symposium on Pharmaceutical Sciences (ISOPS), 26 - 29 June 2018
- XII. **Afyonkarahisar İli Jeotermal Su Kaynaklarından İzole Edilen Bazı Siyanobakteriler Üzerinde Kimyasal İçerik ve Biyolojik Etki Çalışmaları**
Şensoy M., DOĞAN Z., DALAY M., DEMİREL GÖKALP Z., SARAÇOĞLU İ.
XXIII. Bitkisel İlaç Hammaddeleri Toplantısı, Turkey, 9 - 12 April 2018
- XIII. ***Scutellaria glaphyrostachys* Rech.f.'den izole edilen iridoit glukozitleri ve biyolojik etkileri**
DOĞAN Z., SARAÇOĞLU İ.
XXIII. Bitkisel İlaç Hammaddeleri Toplantısı, Turkey, 9 - 12 April 2018
- XIV. **Selective cytotoxic activity of *Scutellaria* species**
DOĞAN Z., SARAÇOĞLU İ.
2nd International Conference on Natural Products for Cancer Prevention and Therapy (NPCPT 2017), Kayseri, Turkey, 8 - 11 November 2017
- XV. **Seasonal Variations of Phenylethanoid Glycosides in *Scutellaria salviifolia***
DOĞAN Z., SARAÇOĞLU İ.
2nd International Gazi Pharma Symposium Series (GPSS 2017), Ankara, Turkey, 11 - 13 October 2017, pp.322
- XVI. **Antioxidant potential and a new flavonoid from *Opuntia ficus-indica* (L.) Mill.**
KELEŞ H. B., DOĞAN Z., SARAÇOĞLU İ., BAŞARAN A. A.
Trends in Natural Product Research - PSE Young Scientists's Meeting Lille 2017, Natural Products in Health, Agro-food and Cosmetics, Lille, France, 28 June - 01 July 2017, pp.150
- XVII. **Bioassay-guided isolation studies on *Scutellaria salviifolia* Benth.**
DOĞAN Z., KUTLUAY V. M., SARAÇOĞLU İ.
9th Joint Meeting of AFERP, ASP, GA, JSP, PSE and SIF, Copenhagen, Denmark, 24 - 27 July 2016, vol.82
- XVIII. **Phytochemical studies on *Phlomis pungens* Willd. from Azerbaijan**
SARAÇOĞLU İ., Suleymanov T., SHUKUROVA A., DOĞAN Z.
9th Joint Meeting of AFERP, ASP, GA, JSP, PSE and SIF, Copenhagen, Denmark, 24 - 27 July 2016, vol.82
- XIX. **Iridoid glucosides from *Scutellaria glaphyrostachys* Rech. f.**
DOĞAN Z., SARAÇOĞLU İ.
9th Joint Meeting of AFERP, ASP, GA, JSP, PSE and SIF, Copenhagen, Denmark, 24 - 27 July 2016, vol.82
- XX. **Bioassay guided isolation studies on *Incarvillea emodi* Royle ex Lindl Chatterjee**
İhtesham Y., DOĞAN Z., KUTLUAY V. M., Khan U., SARAÇOĞLU İ.
9th Joint Natural Products Conference 2016, 24 - 27 July 2016
- XXI. **Bioassay guided isolation of phenolic compounds from *Scutellaria salviifolia* Benth**
DOĞAN Z., KUTLUAY V. M., SARAÇOĞLU İ.
9th Joint Natural Product Conference 2016 (Joint Meeting with ASP, AFERP, JSP, PSE and SIF and 64th Annual

Meeting of GA, Kopenhag, Denmark, 24 - 28 July 2016

XXII. Flavonoids isolated from *Opuntia ficus indica* L Mill

KELEŞ H. B., DOĞAN Z., SARAÇOĞLU İ., BAŞARAN A. A.

6th International Congress of Aromatic and Medicinal Plants (CIPAM 2016), Coimbra, Portugal, 29 May - 01 June 2016

XXIII. Flavonoids isolated from *Opuntia ficus indica* L Mill

HANDE BÜŞRA K., DOĞAN Z., SARAÇOĞLU İ., BAŞARAN A. A.

International Gazi Pharma Symposium (GPSS), Antalya, Turkey, 12 - 15 November 2015

XXIV. Bioactivity Based Phytochemical Studies on *Scutellaria salviifolia* Benth

DOĞAN Z., KUTLUAY V. M., SARAÇOĞLU İ.

63rd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Budapest, Hungary, 23 - 27 August 2015

XXV. Bioactive Compounds from *Scutellaria salviifolia* Benth

DOĞAN Z., SARAÇOĞLU İ.

11st International Symposium on Pharmaceutical Sciences (ISOPS-11), Ankara, Turkey, 9 - 12 June 2015

XXVI. Antioxidant and Cytotoxic Microalgae Species from Four Local Geothermal Sources

MERVE Ş., DOĞAN Z., DALAY M., DEMİREL Z., SARAÇOĞLU İ.

11st International Symposium on Pharmaceutical Sciences (ISOPS-11), Ankara, Turkey, 9 - 12 June 2015

Supported Projects

DEMİREZER L. Ö., YALÇIN F. N., UZ A., KUTLUAY V. M., DOĞAN Z., ÖZENVER N., Gündoğdu S., Project Supported by Higher Education Institutions, İlaç adayı potansiyel antikanser etkili antrakınon molekülleri ve Rumex ekstraktları üzerinde sitotoksikite ve HPLC çalışmaları, 2021 - 2023

DOĞAN Z., SARIKAYA AYDIN S., SARAÇOĞLU İ., Project Supported by Higher Education Institutions, *Acanthus spinosus* L. den Antioksidan, Sitotoksik ve Antienflamatuvar Etkili Bileşiklerin İzolasyonu, 2019 - 2021

Doğan Z., Saraçoğlu İ., Telli G., Tel B. C., TUBITAK Project, Endemik *Scutellaria Rubicunda* Hornem. Subsp. *Brevibracteata* J.R.Edm. Bitkisinin Antienflamatuvar Etkisinin Araştırılması ve Muhtemel Etki Mekanizmasının Açıklanması, 2019 - 2020

DOĞAN Z., GÜVEN Z., BAŞARAN A. A., Project Supported by Higher Education Institutions, HALK İLACI VE GIDA OLARAK KULLANILAN *Prunus mahaleb* L. TOHUM VE MEYVE KABUKLARINDA *in vitro* ANTİDİYABETİK ÇALIŞMALAR, 2019 - 2020

SARAÇOĞLU İ., DOĞAN Z., Project Supported by Higher Education Institutions, İLAÇ HAMMADDESİ KAYNAĞI BAZI SCUTELLARIA L TÜRLERİ ÜZERİNDE FARMAKOGNOZİK ARAŞTIRMALAR, 2017 - 2018

SARAÇOĞLU İ., DOĞAN Z., KUTLUAY V. M., Project Supported by Higher Education Institutions, *Scutellaria salviifolia* Benth. Üzerinde Biyoaktivite Rehberli Fitokimyasal Çalışmalar, 2015 - 2015

Metrics

Publication: 49

Citation (WoS): 19

Citation (Scopus): 23

H-Index (WoS): 2

H-Index (Scopus): 3