

## Asst. Prof. SULTAN PEKACAR

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AHI-1631-2022

ScopusID: 57415556500

Yoksis Researcher ID: 283986

### Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmakognozi (Dr), Turkey 2017 - 2024

Undergraduate, Gazi University, Eczacılık Fakültesi, Turkey 2012 - 2017

### Certificates, Courses and Trainings

Education Management and Planning, Eğitimcilerin Eğitimi Sertifika Programı, Gazi University Faculty of Education, 2023

Health&Medicine, Deney Hayvanları Kullanım Sertifikası, Gazi Üniversitesi, 2018

### Dissertations

Doctorate, Türkiye'de Yetişen Bazı Pistacia L. Türleri Üzerinde Farmakognozok Araştırmalar, Gazi University, Sağlık Bilimleri Enstitüsü, 2024

### Research Areas

Health Sciences, Pharmacology and Therapeutics, Professional Sciences, Pharmacognosy

### Academic Titles / Tasks

Research Assistant PhD, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2024 - Continues

Research Assistant, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2018 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

1. Identification of bioactive components on antihemorrhoidal activity of *Cistus laurifolius* L. using RP-

### HPLC and LC-QTOF-MS

PEKACAR S., ÖZÜPEK B., AKKOL E., TAŞTAN H., ERSAN H., ORHAN D. D.

Journal of Ethnopharmacology, vol.319, 2024 (SCI-Expanded)

- II. **Antioxidants, enzyme inhibitory activities, and phytochemical profiles of seven medicinal plants grown with organic farming techniques**  
ZOR M., ÖZÜPEK B., PEKACAR S., DELİORMAN ORHAN D.  
Turkish Journal of Agriculture and Forestry, vol.47, no.6, pp.918-930, 2023 (SCI-Expanded)
- III. **Investigation of Antidiabetic Effect of Pistacia atlantica Leaves by Activity-Guided Fractionation and Phytochemical Content Analysis by LC-QTOF-MS**  
PEKACAR S., DELİORMAN ORHAN D.  
FRONTIERS IN PHARMACOLOGY, vol.13, 2022 (SCI-Expanded)
- IV. **Investigation of Enzyme Inhibitory Activities, Antioxidant Activities, and Chemical Properties of Pistacia vera Leaves Using LC-QTOF-MS and RP-HPLC**  
GÖK H. N., PEKACAR S., DELİORMAN ORHAN D.  
IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH, vol.21, no.1, 2022 (SCI-Expanded)
- V. **Standardization of Juniperus macrocarpa Sibth. & Sm. and Juniperus excelsa M. Bieb. Extracts with Carbohydrate Digestive Enzyme Inhibitory and Antioxidant Activities**  
GÖK H. N., ORHAN N., ÖZÜPEK B., PEKACAR S., SELVİ Ş. N., ORHAN D. D.  
Iranian Journal of Pharmaceutical Research, vol.20, no.3, pp.441-455, 2021 (SCI-Expanded)
- VI. **Anti-Inflammatory and Analgesic Effects of Rosehip in Inflammatory Musculoskeletal Disorders and Its Active Molecules**  
PEKACAR S., BULUT S., ÖZÜPEK B., DELİORMAN ORHAN D.  
CURRENT MOLECULAR PHARMACOLOGY, vol.14, no.5, pp.731-745, 2021 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Evaluation of Antioxidant, Cytotoxic Effects and Phytochemical Profiles of Galls Caused by Eriophyidae mite in Juglans regia Leaves**  
BULUT S., ÖZÜPEK B., PEKACAR S., ÖZDEMİR A., ORHAN D. D.  
Fabad Journal of Pharmaceutical Sciences, vol.49, no.3, pp.525-538, 2024 (Scopus)
- II. **Standardization of Infusion of *Lycium barbarum* Grown by Organic Farming Methods and Enzyme Inhibitory and Antioxidant Activities**  
ÖZÜPEK B., PEKACAR S., ORHAN D. D.  
KSU TARIM VE DOĞA DERGİSİ-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.27, no.1, pp.26-37, 2024 (ESCI)
- III. **Piyasada Satılan Bazı Enginar Yaprak ve Enginar Ekstresi İçeren Örneklerin Kalite Kontrol Analizleri**  
PEKACAR S., ATABEK KATIRCIOĞLU A., DELİORMAN ORHAN D.  
Uluslararası Hakemli Akademik Spor Sağlık Ve Tıp Bilimleri Dergisi, 2024 (Peer-Reviewed Journal)
- IV. **Evaluation of Phytochemical Contents and Biological Activities of Salvia officinalis and Salvia triloba Grown with Organic Farming**  
ÖZÜPEK B., PEKACAR S., DELİORMAN ORHAN D.  
FABAD JOURNAL OF PHARMACEUTICAL SCIENCES, vol.48, pp.125-138, 2023 (Scopus)
- V. **A Clinical Approach to The Effect of Boswellia Serrata in Osteoarthritis**  
ÖZÜPEK B., PEKACAR S., DELİORMAN ORHAN D.  
Akademik Homeopati ve Bütünlüyci Tıp Dergisi, vol.1, 2023 (Peer-Reviewed Journal)
- VI. **Assessment of Commercially Safflower Oils (Carthami Oleum Raffinatum) in Terms of European Pharmacopoeia Criteria and Their Weight Control Potentials**  
ULUTAŞ O. K., BERKKAN A., DELİORMAN ORHAN D., PEKACAR S., ÖZÜPEK B., SÜMMEOĞLU D.  
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.19, no.3, pp.273-279, 2022 (ESCI)
- VII. **Evaluation of Marketed Almond Oils [Prunus dulcis (Mill.) D.A. Webb] in Terms of European Pharmacopoeia Criteria**

Berkkan A., Dede Türk B. N., Pekacar S., Ulutaş O. K., Deliorman Orhan D.

TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.19, no.3, pp.322-329, 2022 (ESCI)

VIII. **NASTURTIUM OFFICINALE'NİN FİTOKİMYASAL İÇERİĞİ, ANTİOKSİDAN VE ENZİM İNHİBİTÖR ETKİLERİ**

ZOR M., PEKACAR S., DELİORMAN ORHAN D.

Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.46, no.1, pp.114-128, 2022 (Scopus)

IX. **EVALUATION OF BOTANICAL, ETHNOPHARMACOLOGICAL, PHYTOCHEMICAL AND PHARMACOLOGICAL ACTIVITY OF PISTACIA LENTISCUS L. SPECIES PISTACIA LENTISCUS L. TÜRÜNÜN BOTANİK, ETNOFARMAKOLOJİK, FİTOKİMYASAL VE FARMAKOLOJİK AKTİVİTELERİNİN DEĞERLENDİRİLMESİ**

PEKACAR S., DELİORMAN ORHAN D.

Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.46, no.2, pp.576-599, 2022 (Scopus)

X. **Genetiği Korunmuş Bir Poaceae Türü: Akçeltik'xxin Bazı Özelliklerinin Araştırılması**

PEKACAR S., EKİN H. N., ÖZÜPEK B., ORHAN N., DELİORMAN ORHAN D.

Analiz 35, vol.32, pp.41-46, 2019 (Peer-Reviewed Journal)

XI. **Kinoa ve Sağlık Üzerine Etkileri**

Bayram M., PEKACAR S., DELİORMAN ORHAN D.

Gümüşhane University Journal of Health Science, vol.7, no.2, pp.47-57, 2018 (Peer-Reviewed Journal)

## Books

I. **FİZİKSEL AKTİVİTEDE VE SPORDA KULLANILAN POPÜLER ERGOJENİK DESTEKLER**

DELİORMAN ORHAN D., PEKACAR S.

in: EKONOMİ, SANAT, İLETİŞİM, EĞİTİM, SPOR, SAĞLIK VE SOSYAL BİLİMLERDE YENİLİKÇİ YAKLAŞIMLAR,

SARACALOGLU Asuman Seda, AYTAÇ Ayhan, HERGÜNER Gülten, KUYUCU Mihalıs Michael, YÜCEL Ali Serdar, Editor,

Güven Plus Grup A.Ş., pp.297-326, 2023

II. **Kephir (Kefir): Fermented Dairy Product**

Deliorman Orhan D., Pekacar S.

in: Fermented Food Products, A. Sankaranarayanan, N. Amareesan, D. Dhanasekaran, Editor, CRC Press, New York,

pp.255-268, 2020

## Papers Published in Refereed Scientific Meetings

I. **Pistacia atlantica Desf'in İn vitro ve İn siliko Yöntemlerle Metabolizma Hastalıkları Üzerindeki Etki Potansiyelinin İncelenmesi**

PEKACAR S., DELİORMAN ORHAN D., ŞÖHRETOĞLU D., ŞORAL M., ÖZGENCİL F., EREN G.

25. Bitkisel İlaç Hammaddeleri Toplantısı (BİHAT 2024), Turkey, 7 - 10 November 2024

II. **Fibigia eriocarpa (DC.) Boiss. Bitkisinin Enzim İnhibisyonu, Antioksidan Aktivitesi ve Fitokimyası Üzerine Çalışmalar**

Güverti Ö. F., ÖZÜPEK B., PEKACAR S., DELİORMAN ORHAN D.

5th International Conference on Engineering and Applied Natural Sciences Iceans, Turkey, 25 - 26 August 2024

III. **Enzym inhibitory, antioxidant activities and phytochemical studies on Stachys cretica L.**

GÜVERTİ Ö. F., ÖZÜPEK B., PEKACAR S., DELİORMAN ORHAN D.

14th International Symposium on Pharmaceutical Sciences (ISOPS), Turkey, 25 - 28 June 2024

IV. **Antidiabetic Activity of Standardized Geranium robertianum and Geranium subcaulescens Extracts and their Major Compound Geraniin**

ÖZÜPEK B., PEKACAR S., DELİORMAN ORHAN D.

22nd International Conference on the Science of Botanicals (ICSB) being held jointly with the 7th World Congress of Medicinal Aromatic Plants (WOCMAP) Oxford, MS, United States Of America, 15 - 18 April 2024

- V. **ENZYME INHIBITORY AND PHYTOCHEMICAL STUDIES ON *Pistacia vera* LEAVES COLLECTED from GAZİANTEP**  
PEKACAR S., DELİORMAN ORHAN D.  
The 9th International Mediterranean Symposium on Medicinal and Aromatic Plants, Ankara, Turkey, 3 - 05 May 2023
- VI. **Organik tarım teknikleri ile yetiştirilmiş *Mentha piperita* ve *Origanum onites*'den hazırlanan kombinasyonların antidiyabetik potansiyelinin değerlendirilmesi**  
PEKACAR S., ÖZÜPEK B., DELİORMAN ORHAN D.  
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Turkey, 23 - 25 November 2022
- VII. **On the Identification and Spontaneous Decomposition of Two Galloyl Depsides from *Pistacia atlantica* Desf.**  
ŞORAL M., PEKACAR S., ŞÖHRETOĞLU D., DELİORMAN ORHAN D.  
ZBORNÍK PRÍSPEVKOV 3. KONFERENCIE CENTRA EXCELENTNOSTI, Slovakia, 30 November 2022
- VIII. ***Pistacia atlantica* Desf. Bitkisi Üzerinde Yapılan Farmakognozik Araştırmalar**  
Pekacar S., Şöhretoğlu D., Deliorman Orhan D.  
XXIV. BİTKİSEL İLAÇ HAMMADDELERİ TOPLANTISI, Ankara, Turkey, 23 - 26 June 2022, pp.90-91
- IX. **Investigation of the Effect of Six Plant Species on Enzymes Associated with Diabetes and Obesity**  
Günbatan T., Gök H. N., Özüpek B., Pekacar S., Deliorman Orhan D., Gürbüz İ.  
The Seventh International Mediterranean Symposium on Medicinal and Aromatic Plants, İzmir, Turkey, 18 - 20 November 2021, pp.81
- X. **Türkiye'de organik tarım ile yetiştirilen *Salvia officinalis* L. ve *Salvia triloba* L. türlerinin fitokimyasal içerikleri ve biyolojik aktiviteleri**  
ÖZÜPEK B., PEKACAR S., DELİORMAN ORHAN D.  
4th International Eurasian Conference on Biological and Chemical Sciences, 24 - 26 November 2021
- XI. **ENZYMES INHIBITORY OF VARIOUS METABOLISM DISEASES AND PHYTOCHEMICAL STUDIES ON *PISTACIA EURYCARPA* YALT.**  
Pekacar S., Deliorman Orhan D.  
Gazi Pharma Symposium Series (GPSS-2021), Ankara, Turkey, 8 - 10 September 2021, pp.96
- XII. **ENZYME INHIBITORY EFFECTS AND PHYTOCHEMICAL STUDIES OF SOME MEDICINAL PLANTS CULTIVATED IN TURKEY**  
Özüpek B., Pekacar S., Şen M., Deliorman Orhan D.  
Gazi Pharma Symposium Series (GPSS-2021), Ankara, Turkey, 8 - 10 September 2021, pp.91
- XIII. **ENZYME INHIBITORY AND PHYTOCHEMICAL STUDIES ON *Pistacia terebinthus* COLLECTED FROM DIFFERENT LOCATIONS**  
Pekacar S., Deliorman Orhan D.  
13. International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 22 - 25 June 2021, pp.191-194
- XIV. **Evaluation of Almond Oils Sold in the Market in Terms of European Pharmacopoeia Monograph Criteria**  
BERKKAN A., Dede B. N., PEKACAR S., ULUTAŞ O. K., DELİORMAN ORHAN D.  
4th International Symposium on Phytochemicals in Medicine and Food, Xian, China, 30 November - 04 December 2020
- XV. **Enzyme inhibitory, antioxidant activities and phytochemical studies on *Juniperus macrocarpa* & *Juniperus excels***  
Pekacar S., Selvi S. N., Ekin H. N., Orhan N., Ozupek B., Orhan D. D.  
67th International Congress and Annual Meeting of the Society-for-Medicinal-Plant-and-Natural-Product-Research (GA), Innsbruck, Austria, 1 - 05 September 2019, vol.85, pp.1527-1528
- XVI. **Investigation Of *Geranium lucidum* L. Extracts In Terms Of Enzyme Inhibitor Activity, Antioxidant Activity And Chemical Content**  
ÖZÜPEK B., EKİN H. N., PEKACAR S., BULUT S., ASLAN M., DELİORMAN ORHAN D.  
5th International Eurasian Congress On Natural Nutrition, Healthy Life And Sport, Ankara, Turkey, 2 - 06 October

2019

- XVII. **Investigation of the Effect of Seven Plant Species on Enzymes That associated With Diabetes and Obesity**  
GÜNBATAN T., EKİN H. N., ÖZÜPEK B., PEKACAR S., GÜRBÜZ İ., DELİORMAN ORHAN D.  
The 5th International Mediterranean Symposium on Medicinal and Aromatic Plants, Nevşehir, Turkey, 24 - 28 April 2019
- XVIII. **Enzyme Inhibitory, Antioxidant Activites and Phytochemical Studies on Viscum album Samples Collected from Different Host Plants**  
PEKACAR S., EKİN H. N., ORHAN N., ÖZÜPEK B., DELİORMAN ORHAN D.  
The 5th International Mediterranean Symposium on Medicinal and Aromatic Plants, Nevşehir, Turkey, 24 - 28 April 2019
- XIX. **Juniperus Excelsa Bieb. Üzerinde Kimyasal Analizler Ve Biyolojik Aktivite Çalışmaları**  
SELVİ Ş. N., ÖZÜPEK B., PEKACAR S., DELİORMAN ORHAN D., ORHAN N.  
14. Türkiye Eczacılık Kongresi, Ankara, Turkey, 1 - 03 November 2018
- XX. **Comparision Of Bioactivities And Phytochemical Profiles Of European Mistletoe Samples Collected From Almond, Pear And Plum Trees**  
DELİORMAN ORHAN D., PEKACAR S., EKİN H. N., ORHAN N.  
4th, International Symposium Of Medicinal And Aromatic Plants, İzmir, Turkey, 2 - 04 October 2018
- XXI. **Enzyme Inhibitory, Antioxidant Activites And Phytochemical Studies On Juniperus Macrocarpa**  
ORHAN N., PEKACAR S., ÖZÜPEK B., DELİORMAN ORHAN D.  
12th International Symposium On Pharmaceutical Sciences, Ankara, Turkey, 26 June 2018 - 29 June 2019
- XXII. **Farklı Konakçılardan Toplanan Viscum Album Subsp. Album Örneklerinin İn-Vitro Antidiyabetik Aktivitelerinin Karşılaştırılması**  
DELİORMAN ORHAN D., ERGUN F., PEKACAR S., ORHAN N.  
23. Bitkisel İlaç Hammadeleri Toplantısı, Antalya, Turkey, 9 - 12 April 2018
- XXIII. **Juniperus Macrocarpa Ekstrelerinin Antidiyabetik Ve Antioksidan Etkilerinin Değerlendirilmesi**  
ORHAN N., ÖZÜPEK B., PEKACAR S., DELİORMAN ORHAN D.  
23. Bitkisel İlaç Hammadeleri Toplantısı, Antalya, Turkey, 9 - 12 April 2018
- XXIV. **Piyasada Satılan Badem Yağlarının Avrupa Farmakopesi Monograf Kriterleri Yönünden Değerlendirilmesi**  
DEDE B. N., PEKACAR S., BERKCAN A., DELİORMAN ORHAN D.  
23. Bitkisel İlaç Hammadeleri Toplantısı, Antalya, Turkey, 9 - 12 April 2018
- XXV. **Genetiği Korunmuş Bir Poaceae Türü Olan Akçeltik Üzerinde Araştırmalar**  
PEKACAR S., ORHAN N., DELİORMAN ORHAN D.  
23. Bitkisel İlaç Hammadeleri Toplantısı, Antalya, Turkey, 9 - 12 April 2018

## Supported Projects

PEKACAR S., DELİORMAN ORHAN D., Project Supported by Higher Education Institutions, Bazı Geranium türlerinin enzim inhibitör etkileri ve fitokimyasal açıdan değerlendirilmesi, 2024 - Continues

Pekacar S., Deliorman Orhan D., Project Supported by Higher Education Institutions, Türkiye'de Yetişen Bazı Pistacia L. Türleri Üzerinde Farmakognozik Araştırmalar, 2019 - 2022

## Metrics

Publication: 45

Citation (WoS): 44

Citation (Scopus): 62

H-Index (WoS): 5

H-Index (Scopus): 5

## **Scholarships**

2211-A Genel Yurt İi Doktora Burs Programı, TUBITAK, 2017 - 2021

YÖK 100/2000 Doktora Bursu, YOK, 2017 - 2017

## **Awards**

Pekacar S., En İyi Poster 1.'lik Ödülü (25. Bitkisel İla Hammaddeleri Toplantısı-BİHAT 2024, 7-10 Kasım 2024, Lefkoşa, Kıbrıs), Farmakognozi Ve Fitoterapi Derneđi, November 2024