

## Dr. Öğr. Üyesi Mert İlhan

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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### Eğitim Bilgileri

Doktora, Gazi Üniversitesi, -, Farmakognozi Anabilim Dalı, Türkiye 2013 - 2019

Lisans, Ankara Üniversitesi, Eczacılık Fakültesi, Eczacılık, Türkiye 2007 - 2012

### Yabancı Diller

İngilizce, B2 Orta Üstü

### Yaptığı Tezler

Doktora, Halk Arasında Jinekolojik Rahatsızlıklarda Kullanılan Bitkilerin Etkinlikleri Üzerinde Farmakognozik Araştırmalar, Gazi Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmakognozi Anabilim Dalı, 2019

### Araştırma Alanları

Sağlık Bilimleri, Eczacılık, Meslek Bilimleri, Farmakognozi

### Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Van Yüzüncü Yıl Üniversitesi, Eczacılık Fakültesi, Eczacılık, 2019 - Devam Ediyor

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Wound healing acceleration and anti-inflammatory potential of *Prunella vulgaris* L.: From conventional use to preclinical scientific verification**  
AKKOL E., RENDA G., İlhan M., Bektas N. Y.  
JOURNAL OF ETHNOPHARMACOLOGY, cilt.295, 2022 (SCI-Expanded)
- In Vitro Enzyme Inhibitory Activity of Ten *Ferulago* W. Koch Species Growing in Turkey**  
AKKOL E., GÜNBATAN T., GÜRBÜZ İ., DUMAN H., KILIÇ C. S., İlhan M.  
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, cilt.65, 2022 (SCI-Expanded)

- III. **THE PROTECTIVE EFFECT OF ALPHA LIPOIC ACID ON RETINAL DAMAGE IN STREPTOZOTOCIN-INDUCED DIABETIC RATS**  
Berköz M., Yildirim M., BAHAR L., SUCU N., İlhan M., YALIN A. E.  
FRESENIUS ENVIRONMENTAL BULLETIN, cilt.30, ss.8824-8833, 2021 (SCI-Expanded)
- IV. **Beneficial effects of *Ajuga chamaepitys* (L.) Schreber subsp. chia (Schreber) and its iridoids on the colitis model: Histopathological and biochemical evidence**  
AKKOL E., İlhan M., Karpuz B., TAŞTAN H., Sobarzo-Sanchez E., Khan H.  
FOOD AND CHEMICAL TOXICOLOGY, cilt.144, 2020 (SCI-Expanded)
- V. **The investigation of the potential antidepressant-like activity of *Xanthium orientale* subsp. italicum (Moretti) Greuter in rodents**  
GÜRAĞAÇ DERELİ F. T., İlhan M., Sobarzo-Sanchez E., AKKOL E.  
JOURNAL OF ETHNOPHARMACOLOGY, cilt.258, 2020 (SCI-Expanded)
- VI. **Insecticidal Activity of *Hyoscyamus niger* L. on *Lucilia sericata* Causing Myiasis**  
Kupeli Akkol E., İlhan M., KOZAN E., GÜRAĞAÇ DERELİ F. T., Sak M., Sobarzo-Sanchez E.  
PLANTS-BASEL, cilt.9, sa.5, 2020 (SCI-Expanded)
- VII. **Isolation and identification of triterpenes from *Anthemis austriaca* Jacq. through bioactivity-guided fractionation on polycystic ovary syndrome rat model**  
İlhan M., Ali Z., Khan I. A., Tastan H., AKKOL E.  
ARCHIVES OF GYNECOLOGY AND OBSTETRICS, cilt.301, sa.4, ss.1103-1111, 2020 (SCI-Expanded)
- VIII. **Sedative and Anxiolytic Activities of *Opuntia ficus indica* (L.) Mill.: An Experimental Assessment in Mice**  
AKKOL E., İlhan M., Karpuz B., GENÇ Y., Sobarzo-Sanchez E.  
MOLECULES, cilt.25, sa.8, 2020 (SCI-Expanded)
- IX. **Sedative Effects of Latexes Obtained from Some *Lactuca L.* Species Growing in Turkey**  
İLGÜN S., AKKOL E., İlhan M., POLAT D. Ç., Kilic A. B., COŞKUN M., Sobarzo-Sanchez E.  
MOLECULES, cilt.25, sa.7, 2020 (SCI-Expanded)
- X. **The regression of endometriosis with glycosylated flavonoids isolated from *Melilotus officinalis* (L.) Pall. in an endometriosis rat model**  
İlhan M., Ali Z., Khan I. A., TAŞTAN H., AKKOL E.  
TAIWANESE JOURNAL OF OBSTETRICS & GYNECOLOGY, cilt.59, sa.2, ss.211-219, 2020 (SCI-Expanded)
- XI. **Identification of the main active antidepressant constituents in a traditional Turkish medicinal plant, *Centaurea kurdica* Reichardt**  
Dereli F. T. G., İlhan M., AKKOL E.  
JOURNAL OF ETHNOPHARMACOLOGY, cilt.249, 2020 (SCI-Expanded)
- XII. **Myricetin inhibits angiotensin converting enzyme and induces nitric oxide production in HUVEC cell line**  
Berköz M., YILDIRIM M., YALIN S., İlhan M., Yunusoğlu O.  
GENERAL PHYSIOLOGY AND BIOPHYSICS, cilt.39, sa.3, ss.249-258, 2020 (SCI-Expanded)
- XIII. **Inhibitory activity of *Scorzonera latifolia* and its components on enzymes connected with healing process**  
Akkol E. K., SMEJKAL K., Kurtul E., İlhan M., Guragac F. T., Iscan G. S., Acikara O. B., CVACKA J., BUDESINSKY M.  
JOURNAL OF ETHNOPHARMACOLOGY, cilt.245, 2019 (SCI-Expanded)
- XIV. **Inhibitory activity of *Podospermum canum* and its active components on collagenase, elastase and hyaluronidase enzymes**  
Acikara O. B., İlhan M., Kurtul E., SMEJKAL K., Akkol E. K.  
BIOORGANIC CHEMISTRY, cilt.93, 2019 (SCI-Expanded)
- XV. **Bioactivity-guided isolation of flavonoids from *Urtica dioica* L. and their effect on endometriosis rat model**  
İlhan M., Ali Z., Khan I. A., Tastan H., Akkol E. K.  
JOURNAL OF ETHNOPHARMACOLOGY, cilt.243, 2019 (SCI-Expanded)
- XVI. **Promising activity of *Anthemis austriaca* Jacq. on the endometriosis rat model and isolation of its**

**active constituents**

Ilhan M., Ali Z., Khan I. A., Tastan H., Akkol E. K.

SAUDI PHARMACEUTICAL JOURNAL, cilt.27, sa.6, ss.889-899, 2019 (SCI-Expanded)

- XVII. A new isoflavane-4-ol derivative from *Melilotus officinalis* (L.) Pall.**  
Ilhan M., Ali Z., Khan I. A., Akkol E. K.  
NATURAL PRODUCT RESEARCH, cilt.33, sa.13, ss.1856-1861, 2019 (SCI-Expanded)
- XVIII. The scolical activity of the essential oil obtained from the needles of *Pinus nigra* Arn. subsp. *pallasiana* (Lamb.) Holmboe on hydatid cyst**  
Kozan E., Ilhan M., Tumen I., Akkol E. K.  
JOURNAL OF ETHNOPHARMACOLOGY, cilt.235, ss.243-247, 2019 (SCI-Expanded)
- XIX. Assessment of Antidepressant Effect of the Aerial Parts of *Micromeria myrtifolia* Boiss. & Hohen on Mice**  
Akkol E. K., Dereli F. T. G., Ilhan M.  
MOLECULES, cilt.24, sa.10, 2019 (SCI-Expanded)
- XX. New Drug Discovery from Medicinal Plants and Phytoconstituents for Depressive Disorders**  
Dereli F. T. G., Ilhan M., Akkol E. K.  
CNS & NEUROLOGICAL DISORDERS-DRUG TARGETS, cilt.18, sa.2, ss.92-102, 2019 (SCI-Expanded)
- XXI. Novel Drug Targets with Traditional Herbal Medicines for Overcoming Endometriosis**  
Ilhan M., Dereli F. T. G., Akkol E. K.  
CURRENT DRUG DELIVERY, cilt.16, sa.5, ss.386-399, 2019 (SCI-Expanded)
- XXII. Anti-inflammatory and antinociceptive features of *Bryonia alba* L.: As a possible alternative in treating rheumatism**  
Ilhan M., Dereli F. T. A., Tulmen I., Akkol E. K.  
OPEN CHEMISTRY, cilt.17, sa.1, ss.23-30, 2019 (SCI-Expanded)
- XXIII. Effective eradication of pinworms (*Syphacia obvelata* and *Aspicularis tetraptera*) with *Polygonum cognatum* Meissn**  
Dereli F. T. G., Ilhan M., Kozan E., Akkol E. K.  
EXPERIMENTAL PARASITOLOGY, cilt.196, ss.63-67, 2019 (SCI-Expanded)
- XXIV. Efficacy of *Pyrus elaeagnifolia* subsp. *elaegnifolia* in acetic acid-induced colitis model**  
Ilhan M., Akkol E. K., Tastan H., Dereli F. T. G., TUMEN I.  
OPEN CHEMISTRY, cilt.17, sa.1, ss.13-22, 2019 (SCI-Expanded)
- XXV. Evaluation of the chemopreventive effects of Ankaferd Bloodstopper in 7,12-dimethylbenz[a]anthracene-induced oral epithelial dysplasia**  
Ozle M., Cankal D. A. U., Ilhan M., Keles H., Akkol E. K.  
CLINICAL ORAL INVESTIGATIONS, cilt.22, sa.9, ss.3091-3096, 2018 (SCI-Expanded)
- XXVI. Discovery of new antidepressant agents: In vivo study on *Anthemis wiedemanniana* Fisch & Mey**  
Derelia F. T. G., Ilhan M., Akkol E. K.  
JOURNAL OF ETHNOPHARMACOLOGY, cilt.226, ss.11-16, 2018 (SCI-Expanded)
- XXVII. *Polygala anatolica* Boiss. et Heldr.: Is A Potential Remedy for Inflammation and Pain?**  
Akkol E. K., Ilhan M., Sutar I., IPEK A.  
BOLETIN LATINOAMERICANO Y DEL CARIBE DE PLANTAS MEDICINALES Y AROMATICAS, cilt.17, sa.6, ss.555-565, 2018 (SCI-Expanded)
- XXVIII. In vivo activity assessment of some *Tanacetum* species used as traditional wound healer along with identification of the phytochemical profile by a new validated HPLC method**  
Ozbilgin S., Akkol E. K., Oz B. E., Ilhan M., Saltan G., Acikara O. B., Tekin M., Keles H., Sutar I.  
IRANIAN JOURNAL OF BASIC MEDICAL SCIENCES, cilt.21, sa.2, ss.145-152, 2018 (SCI-Expanded)
- XXIX. INSIGHTS INTO RESEARCH ON THE ANTI-INFLAMMATORY AND ANTINOCICEPTIVE ACTIVITIES OF *SCANDIX IBERICA* BIEB**  
Guragac F. T., Ilhan M., Tumen I., Akkol E. K.  
FRESENIUS ENVIRONMENTAL BULLETIN, cilt.26, sa.8, ss.5125-5135, 2017 (SCI-Expanded)
- XXX. *Viburnum opulus* L.: A remedy for the. treatment of endometriosis demonstrated by rat model of**

### **surgically-induced endometriosis**

Saltana G., Suntar I., Ozbilgin S., Ilhan M., Demirel M. A., Oz B. E., Keles H., Akkol E. K.

JOURNAL OF ETHNOPHARMACOLOGY, cilt.193, ss.450-455, 2016 (SCI-Expanded)

- XXXI. **A mixture of St. John's wort and sea buckthorn oils regresses endometriotic implants and affects the levels of inflammatory mediators in peritoneal fluid of the rat: A surgically induced endometriosis model**  
Ilhan M., Suntar I., Demirel M. A., Yesilada E., Keles H., Akkol E. K.  
TAIWANESE JOURNAL OF OBSTETRICS & GYNECOLOGY, cilt.55, sa.6, ss.786-790, 2016 (SCI-Expanded)
- XXXII. **Activity of Corylus avellana seed oil in letrozole-induced polycystic ovary syndrome model in rats**  
Demirel M. A., Ilhan M., Suntar I., Keles H., Akkol E. K.  
REVISTA BRASILEIRA DE FARMACOGNOSIA-BRAZILIAN JOURNAL OF PHARMACOGNOSY, cilt.26, sa.1, ss.83-88, 2016 (SCI-Expanded)
- XXXIII. **Effects of Alchemilla mollis and Alchemilla persica on the wound healing process**  
Oz B. E., Ilhan M., Ozbilgin S., Akkol E. K., Acikara O. B., Saltan G., Keles H., Suntar I.  
BANGLADESH JOURNAL OF PHARMACOLOGY, cilt.11, sa.3, ss.577-584, 2016 (SCI-Expanded)
- XXXIV. **Topical application of olive oil macerate of Momordica charantia L. promotes healing of excisional and incisional wounds in rat buccal mucosa**  
Ilhan M., Bolat I. E., Suntar I., Koklu H. K., Cankal D. A. U., Keles H., Akkol E. K.  
ARCHIVES OF ORAL BIOLOGY, cilt.60, sa.12, ss.1708-1713, 2015 (SCI-Expanded)
- XXXV. **In vitro enzyme inhibitory effects of Rubus sanctus Schreber and its active metabolite as a function of wound healing activity**  
Akkol E. K., Suntar I., Ilhan M., ARAS E.  
JOURNAL OF HERBAL MEDICINE, cilt.5, sa.4, ss.207-210, 2015 (SCI-Expanded)
- XXXVI. **Phytochemical analyses and effects of Alchemilla mollis (Buser) Rothm. and Alchemilla persica Rothm. in rat endometriosis model**  
Akkol E. K., Demirel M. A., Acikara O. B., Suntar I., Ergene B., Ilhan M., Ozbilgin S., Saltan G., Keles H., Tekin M.  
ARCHIVES OF GYNECOLOGY AND OBSTETRICS, cilt.292, sa.3, ss.619-628, 2015 (SCI-Expanded)
- XXXVII. **Thuja occidentalis L. and its active compound, alpha-thujone: Promising effects in the treatment of polycystic ovary syndrome without inducing osteoporosis**  
Akkol E. K., Ilhan M., Demirel M. A., Keles H., Tumen I., Suntar I.  
JOURNAL OF ETHNOPHARMACOLOGY, cilt.168, ss.25-30, 2015 (SCI-Expanded)
- XXXVIII. **Experimental endometriosis remission in rats treated with Achillea biebersteinii Afan.: histopathological evaluation and determination of cytokine levels**  
Demirel M. A., Suntar I., Ilhan M., Keles H., Akkol E. K.  
EUROPEAN JOURNAL OF OBSTETRICS & GYNECOLOGY AND REPRODUCTIVE BIOLOGY, cilt.175, ss.172-177, 2014 (SCI-Expanded)
- XXXIX. **Preclinical Evaluation of Antiurolithiatic Activity of Viburnum opulus L. on Sodium Oxalate-Induced Urolithiasis Rat Model**  
Ilhan M., Ergene B., Suntar I., Ozbilgin S., Citoglu G. S., Demirel M. A., Keles H., Altun L., Akkol E. K.  
EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE, ss.1-10, 2014 (SCI-Expanded)

### **Diğer Dergilerde Yayınlanan Makaleler**

- I. **LEAF ANATOMY OF INULA PEACOCKIANA (AITCH. & HEMSL.) KOROVIN INULA PEACOCKIANA (AITCH. & HEMSL.) KOROVIN'NIN YAPRAK ANATOMİSİ**  
İlhan M., HÜRKUL M. M.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, cilt.46, sa.2, ss.342-349, 2022 (Scopus)
- II. **The Importance of Asphodeline Species on Enzyme Inhibition: Anti-Elastase, Anti-Hyaluronidase and Anti-Collagenase Potential**  
Ilhan M., Zengin G., Kupeli Akkol E., Aktumsek A., Suntar I.

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **In vitro wound healing assessment of *Sideritis germanicopolitana* Bornm. subsp. *germanicopolitana***  
Karpuz B., İlhan M., Ayaz F., Küpeli Akkol E., Şener B., Çalış İ., Küçükboyacı N.  
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), Ankara, Türkiye, 28 - 29 Haziran 2019, ss.322-327

## Desteklenen Projeler

İlhan M., Eroğlu H., Kaptaner B., Battal A., Doğan A., Yükseköğretim Kurumları Destekli Proje, *Hypericum scabrum* L bitkisinin ratlarda cerrahi olarak oluşturulmuş endometriyoz modeli üzerindeki etkilerinin araştırılması, 2021 - 2022

## Bilimsel Hakemlikler

Planta Medica, SCI Kapsamındaki Dergi, Aralık 2019  
FABAD, Hakemli Bilimsel Dergi, Kasım 2019  
Pharmacognosy Journal, Diğer İndekslerce Taranan Dergi, Temmuz 2019  
Pharmacognosy Journal, Diğer İndekslerce Taranan Dergi, Temmuz 2019

## Bilimsel Araştırma / Çalışma Grubu Üyelikleri

BİTKİ BİYOTEKNOLOJİSİ VE GENETİK ARAŞTIRMA GRUBU, VAN YÜZÜNCÜ YIL ÜNİVERSİTESİ, Turkey,  
<https://hamitbattal.wixsite.com/battallab>, 2018 - Devam Ediyor

## Metrikler

Yayın: 44  
Atıf (WoS): 113  
Atıf (Scopus): 128  
H-İndeks (WoS): 6  
H-İndeks (Scopus): 6

## Kongre ve Sempozyum Katılımı Faaliyetleri

2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), Katılımcı, Ankara, Türkiye, 2019

## Burslar

2214-A Yurt Dışı Doktora Sırası Araştırma Burs Programı, TÜBİTAK, 2016 - Devam Ediyor