

Asst. Prof. Mert İlhan

Personal Information

Office Phone: [+90 444 5 065](tel:+904445065) Extension: 21165

Email: mertilhan@yyu.edu.tr

Web: <https://avesis.yyu.edu.tr/mertilhan>

Address: Van Yüzüncü Yıl Üniversitesi Eczacılık Fakültesi Farmakognozi Anabilim Dalı

International Researcher IDs

ORCID: 0000-0001-5042-3915

Yoksis Researcher ID: 14200

Education Information

Doctorate, Gazi University, -, Farmakognozi Anabilim Dalı, Turkey 2013 - 2019

Undergraduate, Ankara University, Eczacılık Fakültesi, Eczacılık, Turkey 2007 - 2012

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Halk Arasında Jinekolojik Rahatsızlıklarda Kullanılan Bitkilerin Etkinlikleri Üzerinde Farmakognosik Araştırmalar, Gazi University, Sağlık Bilimleri Enstitüsü, Farmakognozi Anabilim Dalı, 2019

Research Areas

Health Sciences, Pharmacology and Therapeutics, Professional Sciences, Pharmacognosy

Academic Titles / Tasks

Assistant Professor, Van Yüzüncü Yıl University, Eczacılık Fakültesi, Eczacılık, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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, vol.295, 2022 (SCI-Expanded)
- II. **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, vol.65, 2022 (SCI-Expanded)

- III. THE PROTECTIVE EFFECT OF ALPHA LIPOIC ACID ON RETINAL DAMAGE IN STREPTOZOTOCIN-INDUCED DIABETIC RATS
Berköz M., Yıldırım M., BAHAR L., SUCU N., İlhan M., YALIN A. E.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.30, pp.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-Sánchez E., Khan H.
FOOD AND CHEMICAL TOXICOLOGY, vol.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-Sánchez E., AKKOL E.
JOURNAL OF ETHNOPHARMACOLOGY, vol.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-Sánchez E.
PLANTS-BASEL, vol.9, no.5, 2020 (SCI-Expanded)
- VII. Sedative and Anxiolytic Activities of *Opuntia ficus indica* (L.) Mill.: An Experimental Assessment in Mice
AKKOL E., İlhan M., Karpuz B., GENÇ Y., Sobarzo-Sánchez E.
MOLECULES, vol.25, no.8, 2020 (SCI-Expanded)
- VIII. 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, vol.301, no.4, pp.1103-1111, 2020 (SCI-Expanded)
- IX. Sedative Effects of Latexes Obtained from Some *Lactuca* L. Species Growing in Turkey
İLĞÜN S., AKKOL E., İlhan M., POLAT D. Ç., Kılıç A. B., COŞKUN M., Sobarzo-Sánchez E.
MOLECULES, vol.25, no.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, vol.59, no.2, pp.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, vol.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, vol.39, no.3, pp.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, vol.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, vol.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, vol.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, vol.27, no.6, pp.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, vol.33, no.13, pp.1856-1861, 2019 (SCI-Expanded)

- XVIII. **The scolicidal 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, vol.235, pp.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., İlhan M.

MOLECULES, vol.24, no.10, 2019 (SCI-Expanded)

- XX. **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, vol.196, pp.63-67, 2019 (SCI-Expanded)

- XXI. **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, vol.17, no.1, pp.23-30, 2019 (SCI-Expanded)

- XXII. **Novel Drug Targets with Traditional Herbal Medicines for Overcoming Endometriosis**

Ilhan M., Dereli F. T. G., Akkol E. K.

CURRENT DRUG DELIVERY, vol.16, no.5, pp.386-399, 2019 (SCI-Expanded)

- XXIII. **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, vol.18, no.2, pp.92-102, 2019 (SCI-Expanded)

- XXIV. **Efficacy of *Pyrus elaeagnifolia* subsp. *elaeagnifolia* in acetic acid-induced colitis model**

Ilhan M., Akkol E. K., Tastan H., Dereli F. T. G., TUMEN I.

OPEN CHEMISTRY, vol.17, no.1, pp.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, vol.22, no.9, pp.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, vol.226, pp.11-16, 2018 (SCI-Expanded)

- XXVII. ***Polygala anatolica* Boiss. et Heldr.: Is A Potential Remedy for Inflammation and Pain?**

Akkol E. K., İlhan M., Suntar I., İPEK A.

BOLETIN LATINOAMERICANO Y DEL CARIBE DE PLANTAS MEDICINALES Y AROMATICAS, vol.17, no.6, pp.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., İlhan M., Saltan G., Acikara O. B., Tekin M., Keles H., Suntar I.

IRANIAN JOURNAL OF BASIC MEDICAL SCIENCES, vol.21, no.2, pp.145-152, 2018 (SCI-Expanded)

- XXIX. **INSIGHTS INTO RESEARCH ON THE ANTI-INFLAMMATORY AND ANTINOCICEPTIVE ACTIVITIES OF SCANDIX IBERICA BIEB**

Guragac F. T., İlhan M., Tumen I., Akkol E. K.

FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.8, pp.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, vol.193, pp.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, vol.55, no.6, pp.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, vol.26, no.1, pp.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, vol.11, no.3, pp.577-584, 2016 (SCI-Expanded)
- XXXIV. 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, vol.5, no.4, pp.207-210, 2015 (SCI-Expanded)
- XXXV. 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, vol.60, no.12, pp.1708-1713, 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, vol.292, no.3, pp.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, vol.168, pp.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, vol.175, pp.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, pp.1-10, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. LEAF ANATOMY OF INULA PEACOCKIANA (AITCH. & HEMSL.) KOROVIN INULA PEACOCKIANA (AITCH. & HEMSL.) KOROVIN'NIN YAPRAK ANATOMİSİ
 İlhan M., HÜRKUL M. M.
 Ankara Universitesi Eczacılık Fakultesi Dergisi, vol.46, no.2, pp.342-349, 2022 (Scopus)
- II. The Importance of Asphodeline Species on Enzyme Inhibition: Anti-Elastase, Anti-Hyaluronidase and Anti-Collagenase Potential
 İlhan M., Zengin G., Kupeli Akkol E., Aktumsek A., Suntar I.

Refereed Congress / Symposium Publications in Proceedings

- 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,
Turkey, 28 - 29 June 2019, pp.322-327

Supported Projects

İlhan M., Eroğlu H., Kaptaner B., Battal A., Doğan A., Project Supported by Higher Education Institutions, Hypericum scabrum L bitkisinin ratlarda cerrahi olarak oluşturulmuş endometriyoz modeli üzerindeki etkilerinin araştırılması, 2021 - 2022

Scientific Refereeing

Planta Medica, SCI Journal, December 2019
FABAD, National Scientific Refreed Journal, November 2019
Pharmacognosy Journal, Other Indexed Journal, July 2019
Pharmacognosy Journal, Other Indexed Journal, July 2019

Scientific Research / Working Group Memberships

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

Metrics

Publication: 44
Citation (WoS): 112
Citation (Scopus): 128
H-Index (WoS): 6
H-Index (Scopus): 6

Congress and Symposium Activities

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

Scholarships

2214-A Yurt Dışı Doktora Sırası Araştırma Burs Programı, TUBITAK, 2016 - Continues