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Eğitim Bilgileri

Doktora, Gazi Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmakognozi (Dr), Türkiye 2000 - 2004

Yüksek Lisans, Gazi Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmakognozi (YI) (Tezli), Türkiye 1998 - 2000

Lisans, Gazi Üniversitesi, Eczacılık Fakültesi, Eczacılık Pr. (4 Yıllık), Türkiye 1994 - 1998

Yaptığı Tezler

Doktora, Clematis vitalba L. bitkisinin romatizma tedavisindeki etkisi üzerindeki çalışmalar, Gazi Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmakognozi (Dr), 2004

Yüksek Lisans, Berberis crataegina DC. bitkisinin romatizma tedavisindeki etkisi üzerinde çalışmalar, Gazi Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmakognozi (YI) (Tezli), 2000

Araştırma Alanları

Sağlık Bilimleri

Akademik Unvanlar / Görevler

Prof.Dr., Gazi Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2013 - Devam Ediyor

Doç.Dr., Gazi Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2007 - 2013

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Araştırma Görevlisi, Gazi Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1998 - 2006

Akademik İdari Deneyim

Anabilim/Bilim Dalı Başkanı, Gazi Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2022 - Devam Ediyor

Anabilim/Bilim Dalı Başkanı, Gazi Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2021 - Devam Ediyor

Verdiği Dersler

Farmakognozi-III, Lisans, 2022 - 2023

Yönetilen Tezler

Akkol E., *Jasminum fruticans* L. bitkisinin antihelmintik etkisinin farmakognozik açıdan değerlendirilmesi, Doktora, S.POUR(Öğrenci), 2022

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Akkol E., Halk Arasında Jinekolojik Rahatsızlıklarda Kullanılan Bitkilerin Etkinlikleri Üzerinde Farmakognozik Araştırmalar, Doktora, M.İLHAN(Öğrenci), 2019

AKKOL E., Zeytin (*Olea europea* L.) yaprağının antioksidan etkinliğinin in vitro yöntemlerle araştırılması, Yüksek Lisans, S.MUAMMER(Öğrenci), 2019

Akkol E., *Hyoscyamus niger* L. bitkisinin miyazis üzerine etkisinin farmakognozik açıdan değerlendirilmesi, Yüksek Lisans, M.SAK(Öğrenci), 2019

AKKOL E., *Polygala anatolica* boiss. et heldr. bitkisinin fitoterapi açısından değerlendirilmesi, Yüksek Lisans, A.İPEK(Öğrenci), 2015

AKKOL E., Soya (*glycine max* L.)'nın dişi ratlarda reproduktif sisteme etkilerinin stereolojik olarak araştırılması, Doktora, Y.CEYLANTEKİN(Öğrenci), 2014

AKKOL E., *Rubus sanctus* schreber bitkisi üzerinde yapılan fitokimyasal ve biyolojik aktivite çalışmaları, Yüksek Lisans, E.ARAS(Öğrenci), 2014

AKKOL E., *Pimpinella anisum* L. bitkisinin fitoterapideki önemi, Yüksek Lisans, E.GÜNEY(Öğrenci), 2010

AKKOL E., *Hypericum perforatum* L. ve *Hypericum scabrum* L. bitkilerinin yara iyileştirici ve antienflamatuvar aktiviteleri üzerinde çalışmalar, Yüksek Lisans, İ.PEŞİN(Öğrenci), 2007

Tezsiz Lisansüstü Danışmanlıkları

Akkol E., Migren Tedavisinde Kullanılan Bitkisel Ürünler, Yüksek Lisans-Tezsiz, L.Can(Öğrenci), 2022

Jüri Üyelikleri

Doktora Yeterlik Sınavı, Doktora Yeterlik Sınavı, Gazi Üniversitesi, Aralık, 2022

Tez Savunma (Doktora), Tez Savunma (Doktora), Hacettepe Üniversitesi, Aralık, 2022

Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Gazi Üniversitesi, Temmuz, 2022

Tez Savunma (Doktora), Tez Savunma (Doktora), Gazi Üniversitesi, Temmuz, 2022

Doktora Tez İzleme Komitesi (TİK) Üyeliği, Doktora Tez İzleme Komitesi (TİK) Üyeliği, Gazi Üniversitesi, Mart, 2022

Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Gazi Üniversitesi, Ocak, 2022

Tez Savunma (Doktora), Tez Savunma (Doktora), Gazi Üniversitesi, Ocak, 2022

Tez Savunma (Doktora), Tez Savunma (Doktora), Gazi Üniversitesi, Ocak, 2022

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **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.
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- II. **Antioxidant Activity and Chemical Composition of Geranium Oil and Its Synergistic Potential against Pneumococci with Various Antibiotic Combinations**
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- III. **Neuroprotection against Aluminum Chloride-Induced Hippocampus Damage in Albino Wistar Rats by *Leucophyllum frutescens* (Berl.) I.M. Johnst. Leaf Extracts: A Detailed Insight into Phytochemical Analysis and Antioxidant and Enzyme Inhibition Assays**
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- IV. **Prevention of Inflammation Initiation on Acetic Acid-Induced Ulcerative Colitis in Rats by *Malva nicaeensis* All.**
Akkol E., Türkcanoğlu G., TAŞTAN H., Sobarzo-Sánchez E.
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- V. **Polyphenols: Natural Preservatives with Promising Applications in Food, Cosmetics and Pharma Industries; Problems and Toxicity Associated with Synthetic Preservatives; Impact of Misleading Advertisements; Recent Trends in Preservation and Legislation.**
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- VI. **Editorial: Needs and challenges associated with the therapeutic use of novel natural products in weight control and diabetes management**
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- VII. **Editorial: The Effect of Herbal Medicine on Intestinal Flora and the Potential Molecular Mechanism**
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- VIII. **The Wound-Healing Potential of the Endemic Plant *Helianthemum canum* (L.) Baumg: Preclinical Studies Supported with Phytochemical Profiling**
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- IX. **Phytochemical Profiles, Antioxidant, Cytotoxic, and Anti-Inflammatory Activities of Traditional Medicinal Plants: *Centaurea pichleri* subsp. *pichleri*, *Conyza canadensis*, and *Jasminum fruticans***
ÇİÇEK POLAT D., İLGÜN S., Karatoprak G. Ş., AKKOL E., Capasso R.
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- X. **Bioactive Saponins of *Primula vulgaris* Huds. Promote Wound Healing through Inhibition of Collagenase and Elastase Enzymes: in Vivo, in Vitro and in Silico Evaluations**
KAHRAMAN Ç., SARI S., AKKOL E., ÇANKAYA İ. İ.
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- XI. **The Phytochemical Profile and Biological Activity of *Malva neglecta* Wallr. in Surgically Induced Endometriosis Model in Rats**
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- XII. **A Critical Analysis of Quercetin as the Attractive Target for the Treatment of Parkinson's Disease**
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- XIII. **Phytochemical Composition and Biological Activities of *Arctium minus* (Hill) Bernh.: A Potential Candidate as Antioxidant, Enzyme Inhibitor, and Cytotoxic Agent**
İLGÜN S., ŞEKER KARATOPRAK G., Polat D. C., Safak E. K., Yıldız G., AKKOL E., Sobarzo-Sanchez E.
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- XIV. **Immunomodulatory and anti-inflammatory therapeutic potential of gingerols and their nanoformulations**
YÜCEL Ç., ŞEKER KARATOPRAK G., BAHADIR ACIKARA Ö., AKKOL E., BARAK T. H., Sobarzo-Sanchez E., Aschner M., Shirooie S.
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- XV. **Wound healing acceleration and anti-inflammatory potential of *Prunella vulgaris* L.: From conventional use to preclinical scientific verification**
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- XVI. **Herbal Ingredients in the Prevention of Breast Cancer: Comprehensive Review of Potential Molecular Targets and Role of Natural Products**
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- XVII. **In silico investigation and potential therapeutic approaches of natural products for COVID-19: Computer-aided drug design perspective**
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- XVIII. **GC-MS profiling, phytochemical and biological investigation of aerial parts of *Leucophyllum frutescens* (Berl.) IM Johnst (Cenizo)**
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- XIX. **Regulation of DAPK1 by Natural Products: An Important Target in Treatment of Stroke**
Noori T., Shirooie S., Sureda A., Sobarzo-Sanchez E., Dehpour A. R., Saldias M., AKKOL E.
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- XX. **Anti-inflammatory and Antinociceptive Potential of *Verbascum latisepalum***
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- XXI. **Plants with Therapeutic Potential for Ischemic Acute Kidney Injury: A Systematic Review**
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- XXII. **Phytochemical profile, antioxidant, antiproliferative, and enzyme inhibition-docking analyses of *Salvia ekimiana* Celep & Dogan**
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- XXIII. **A comprehensive and current review on the role of flavonoids in lung cancer-Experimental and theoretical approaches**
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- XXIV. **Advances and challenges in cancer treatment and nutraceutical prevention: the possible role of dietary phenols in BRCA regulation**
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- XXV. **Targeting lactate metabolism and glycolytic pathways in the tumor microenvironment by natural products: A promising strategy in combating cancer**

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- XXVI. **Effects of chitosan and platelet-rich plasma on facial nerve regeneration in an animal model**
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- XXVII. **Phenolic Acids-Versatile Natural Moiety with Numerous Biological Applications**
Sehrawat R., Rathee P., Akkol E., Khatkar S., Lather A., Redhu N., Khatkar A.
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- XXVIII. **Assessment of Antioxidant Effect of Beta-Glucan on the Whole Blood Oxidative DNA Damage with the Comet Assay in Colorectal Cancer**
Benlier N., Ucar N., Ogut E., Cinkir H. Y., Yildirim M., Karadeniz P. G., AKKOL E., Khan H., Saygili E. I.
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- XXIX. **Effects of Natural Products on Neuromuscular Junction**
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- XXX. **An Overview on Rumex dentatus L.: Its Functions as a Source of Nutrient and Health-Promoting Plant**
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- XXXI. **A New Perspective on the Treatment of Alzheimer's Disease and Sleep Deprivation-Related Consequences: Can Curcumin Help?**
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- XXXII. **Plant-Derived Natural Compounds for the Treatment of Amyotrophic Lateral Sclerosis: An Update**
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- XXXIII. **Advances in Understanding the Role of Aloe Emodin and Targeted Drug Delivery Systems in Cancer**
ŞEKER KARATOPRAK G., AKKOL E., YÜCEL Ç., BAHADIR ACIKARA Ö., Sobarzo-Sanchez E.
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- XXXIV. **Development of Cholesterol-Lowering and Detox Formulations Using Bentonite and Herbal Ingredients.**
Turgut R., KARTAL M., Akkol E., Demirbolat İ., TAŞTAN H.
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- XXXV. **Neuroactivity of the naturally occurring aporphine alkaloid, roemerine.**
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- XXXVI. **The Struggle with Rheumatism through Dracunculus vulgaris Schott: In the Light of Ethnobotanical Information**
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- XXXVII. **Appraisal of the antimicrobial and cytotoxic potentials of nanoparticles biosynthesized from the extracts of Pelargonium quercetorum Agnew**
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- XXXVIII. **Targeting Mitochondria by Plant Secondary Metabolites: A Promising Strategy in Combating Parkinson's Disease**
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- XXXIX. **The Neuroprotective Role of Polydatin: Neuropharmacological Mechanisms, Molecular Targets, Therapeutic Potentials, and Clinical Perspective**
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- XL. **Can Carbon Quantum Dots (CQDs) or Boron Compounds be an Ultimate Solution for COVID-19 Therapy?**
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- XLI. **Multifunctional Therapeutic Potential of Phytocomplexes and Natural Extracts for Antimicrobial Properties**
Rahman M. M., Rahaman M. S., Islam M. R., Hossain M. E., Mithi F. M., Ahmed M., Saldias M., AKKOL E., Sobarzo-Sanchez E.
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- XLII. **Is Emodin with Anticancer Effects Completely Innocent? Two Sides of the Coin**
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- XLIII. **Formation of quantum water in nanoparticulate systems**
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- XLIV. **Natural Compounds as Medical Strategies in the Prevention and Treatment of Psychiatric Disorders Seen in Neurological Diseases.**
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- XLV. **Antibacterial, antifungal and enzyme inhibitory effects of selected plants from Turkey**
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- XLVI. **Targeting Multiple Signal Transduction Pathways of SARS-CoV-2: Approaches to COVID-19 Therapeutic Candidates**
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- XLVII. **Ageratum conyzoides L. and Its Secondary Metabolites in the Management of Different Fungal Pathogens**
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- XLVIII. **Glyco-nanoparticles: New drug delivery systems in cancer therapy**
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- XLIX. **Gut-Brain-Microbiota Axis: Antibiotics and Functional Gastrointestinal Disorders.**
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- L. **Promising Perspective to Facioscapulohumeral Muscular Dystrophy Treatment: Nutraceuticals and Phytochemicals.**
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- LI. **A Realistic Approach for Anti-Inflammatory, Antinociceptive and Antimicrobial Activities, and Risk Assessment of the Aqueous Extract of Platanus orientalis L. Leaves**
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- LII. **Pain and Inflammation Management by Using Bioactive Molecules Derived from Medicinal Plants or Natural Products**
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- LIII. **Datura metel: A Review on Chemical Constituents, Traditional Uses and Pharmacological Activities**
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- CURRENT PHARMACEUTICAL DESIGN, cilt.27, sa.22, ss.2545-2557, 2021 (SCI-Expanded)
- LIV. **Pain Perception and Management: Where do We Stand?**
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- LV. **An Effective Phytoconstituent Aconitine: A Realistic Approach for the Treatment of Trigeminal Neuralgia**
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