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Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmakognozi (Dr), Turkey 2000 - 2004

Postgraduate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmakognozi (YI) (Tezli), Turkey 1998 - 2000

Undergraduate, Gazi University, Eczacılık Fakültesi, Eczacılık Pr. (4 Yıllık), Turkey 1994 - 1998

Dissertations

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

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

Research Areas

Health Sciences

Academic Titles / Tasks

Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2013 - Continues

Associate Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2007 - 2013

Assistant Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2006 - 2007

Research Assistant, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1998 - 2006

Academic and Administrative Experience

Gazi University, Eczacılık Fakültesi, 2012 - 2016

Advising Theses

- Akkol E., Investigation Of Phytochemical Properties And Biological Effects Of The Plants Used For The Treatment Of Central Nervous System Disorders In Folk Medicine, Doctorate, F.TUĞÇE(Student), 2019
- AKKOL E., Zeytin (*Olea europea* L.) yaprağının antioksidan etkinliğinin in vitro yöntemlerle araştırılması, Postgraduate, S.MUAMMER(Student), 2019
- Akkol E., Evaluation Of The Effect On The Myasis Of *Hyoscyamus Niger* L. In Terms Of Pharmacognosy, Postgraduate, M.SAK(Student), 2019
- Akkol E., Pharmacognostical Studies On The Effects Of Plants Used For The Treatment Of Gynecological Disorders In Folk Medicine, Doctorate, M.İLHAN(Student), 2019
- AKKOL E., Evaluation Of *Polygala Anatolica* Boiss. Et heldr. In terms of Phytotherapy, Postgraduate, A.İPEK(Student), 2015
- AKKOL E., Phytochemical And Biological Activity Studies On *Rubus Sanctus* Schreber, Postgraduate, E.ARAS(Student), 2014
- AKKOL E., Soya (*glycine max* L.)' nın dişi ratlarda reproduktif sisteme etkilerinin stereolojik olarak araştırılması, Doctorate, Y.CEYLANTEKİN(Student), 2014
- AKKOL E., The importance of *pimpinella anisum* L. in phytotherapy, Postgraduate, E.GÜNEY(Student), 2010
- AKKOL E., *Hypericum perforatum* L. ve *Hypericum scabrum* L. bitkilerinin yara iyileştirici ve antienflamatuvar aktiviteleri üzerinde çalışmalar, Postgraduate, İ.PEŞİN(Student), 2007

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Editorial: Needs and challenges associated with the therapeutic use of novel natural products in weight control and diabetes management**
DELİORMAN ORHAN D., AKKOL E., Khan H.
FRONTIERS IN PHARMACOLOGY, vol.13, 2023 (SCI-Expanded)
- II. **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.
CHEMISTRY & BIODIVERSITY, vol.19, no.12, 2022 (SCI-Expanded)
- III. **A Critical Analysis of Quercetin as the Attractive Target for the Treatment of Parkinson's Disease**
BAHADIR ACIKARA Ö., ŞEKER KARATOPRAK G., YÜCEL Ç., AKKOL E., Sobarzo-Sanchez E., Khayatkashani M., Kamal M. A., Kashani H. R. K.
CNS & NEUROLOGICAL DISORDERS-DRUG TARGETS, vol.21, no.9, pp.795-817, 2022 (SCI-Expanded)
- IV. **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.
ANTIOXIDANTS, vol.11, no.10, 2022 (SCI-Expanded)
- V. **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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- VI. **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)
- VII. **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.
NEUROCHEMICAL RESEARCH, vol.47, no.8, pp.2142-2157, 2022 (SCI-Expanded)
- VIII. **In silico investigation and potential therapeutic approaches of natural products for COVID-19:**

Computer-aided drug design perspective

Rahman M. M., Islam M. R., Akash S., Mim S. A., Rahaman M. S., Bin Emran T., AKKOL E., Sharma R., Alhumaydhi F. A., Sweilam S. H., et al.

FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY, vol.12, 2022 (SCI-Expanded)

- IX. **Anti-inflammatory and Antinociceptive Potential of Verbascum latisepalum**
KAHRAMAN Ç., SARI S., AKKOL E., AKDEMİR Z. Ş., ÇANKAYA İ. İ.
REVISTA BRASILEIRA DE FARMACOGNOSIA-BRAZILIAN JOURNAL OF PHARMACOGNOSY, vol.32, no.4, pp.537-543, 2022 (SCI-Expanded)
- X. **Plants with Therapeutic Potential for Ischemic Acute Kidney Injury: A Systematic Review**
Ali A., Lima Sampaio T., Khan H., Jeandet P., AKKOL E., Bahadar H., Costa Martins A. M.
EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE, vol.2022, 2022 (SCI-Expanded)
- XI. **Phytochemical profile, antioxidant, antiproliferative, and enzyme inhibition-docking analyses of Salvia ekimiana Celep & Dogan**
ŞEKER KARATOPRAK G., GÖGER F., ÇELİK İ., BUDAK Ü., AKKOL E., Aschner M.
SOUTH AFRICAN JOURNAL OF BOTANY, vol.146, pp.36-47, 2022 (SCI-Expanded)
- XII. **A comprehensive and current review on the role of flavonoids in lung cancer-Experimental and theoretical approaches**
BERK Ş., KAYA S., AKKOL E., BARDAKCI H.
PHYTOMEDICINE, vol.98, 2022 (SCI-Expanded)
- XIII. **Advances and challenges in cancer treatment and nutraceutical prevention: the possible role of dietary phenols in BRCA regulation**
Khan H., Labanca F., Ullah H., Hussain Y., Tzvetkov N. T., AKKOL E., Milella L.
PHYTOCHEMISTRY REVIEWS, vol.21, no.2, pp.385-400, 2022 (SCI-Expanded)
- XIV. **Targeting lactate metabolism and glycolytic pathways in the tumor microenvironment by natural products: A promising strategy in combating cancer**
Kooshki L., Mahdavi P., Fakhri S., AKKOL E., Khan H.
BIOFACTORS, vol.48, no.2, pp.359-383, 2022 (SCI-Expanded)
- XV. **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.
OXIDATIVE MEDICINE AND CELLULAR LONGEVITY, vol.2022, 2022 (SCI-Expanded)
- XVI. **Effects of Natural Products on Neuromuscular Junction**
AKKOL E., ŞEKER KARATOPRAK G., Carpar E., Hussain Y., Khan H., Aschner M.
CURRENT NEUROPHARMACOLOGY, vol.20, no.3, pp.594-610, 2022 (SCI-Expanded)
- XVII. **An Overview on Rumex dentatus L.: Its Functions as a Source of Nutrient and Health-Promoting Plant**
Khalil A. A. K., Zeb F., Khan R., Shah S. A., Küpeli Akkol E., Khan I. N., Khan J., Babar Jamal S., Khuda F., Haider A., et al.
Evidence-based Complementary and Alternative Medicine, vol.2022, 2022 (SCI-Expanded)
- XVIII. **Plant-Derived Natural Compounds for the Treatment of Amyotrophic Lateral Sclerosis: An Update**
Mohi-ud-Din R., Mir R. H., Shah A. J., Sabreen S., Wani T. U., Masoodi M. H., AKKOL E., Bhat Z. A., Khan H.
CURRENT NEUROPHARMACOLOGY, vol.20, no.1, pp.179-193, 2022 (SCI-Expanded)
- XIX. **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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- XX. **Development of Cholesterol-Lowering and Detox Formulations Using Bentonite and Herbal Ingredients.**
Turgut R., KARTAL M., Akkol E., Demirbolat İ., TAŞTAN H.
Frontiers in pharmacology, vol.12, pp.775789, 2021 (SCI-Expanded)
- XXI. **Neuroactivity of the naturally occurring aporphine alkaloid, roemerine.**
Bayazeid O., NEMUTLU E., Eylem C. C., İlhan M., Kupeli-Akkol E., Karahan H., Kelicen-Ugur P., Ersoz T., Yalcin F. N.
Natural product research, vol.35, no.24, pp.6147-6152, 2021 (SCI-Expanded)

- XXII. **The Struggle with Rheumatism through *Dracunculus vulgaris* Schott: In the Light of Ethnobotanical Information**
GÜRAĞAÇ DERELİ F. T., İlhan M., AKKOL E.
Current Molecular Pharmacology, vol.14, no.6, pp.1125-1133, 2021 (SCI-Expanded)
- XXIII. **Appraisal of the antimicrobial and cytotoxic potentials of nanoparticles biosynthesized from the extracts of *Pelargonium quercetorum* Agnew**
Dumlupınar B., ŞEKER KARATOPRAK G., Fırat M., AKKOL E.
FRONTIERS IN BIOSCIENCE-LANDMARK, vol.26, no.11, pp.1089-1096, 2021 (SCI-Expanded)
- XXIV. **Targeting Mitochondria by Plant Secondary Metabolites: A Promising Strategy in Combating Parkinson's Disease**
Fakhri S., Abdian S., Zarneshan S. N., AKKOL E., Farzaei M. H., Sobarzo-Sanchez E.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.22, no.22, 2021 (SCI-Expanded)
- XXV. **Can Carbon Quantum Dots (CQDs) or Boron Compounds be an Ultimate Solution for COVID-19 Therapy?**
Camlik G., Akkol E., Degim Z., Degim I. T.
Iranian journal of pharmaceutical research : IJPR, vol.20, no.4, pp.9-20, 2021 (SCI-Expanded)
- XXVI. **The Neuroprotective Role of Polydatin: Neuropharmacological Mechanisms, Molecular Targets, Therapeutic Potentials, and Clinical Perspective**
Fakhri S., Gravandi M. M., Abdian S., AKKOL E., Farzaei M. H., Sobarzo-Sanchez E.
MOLECULES, vol.26, no.19, 2021 (SCI-Expanded)
- XXVII. **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.
ANTIBIOTICS-BASEL, vol.10, no.9, 2021 (SCI-Expanded)
- XXVIII. **Is Emodin with Anticancer Effects Completely Innocent? Two Sides of the Coin**
AKKOL E., Tatli I. I., ŞEKER KARATOPRAK G., AĞAR O. T., YÜCEL Ç., Sobarzo-Sanchez E., Capasso R.
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- XXIX. **Formation of quantum water in nanoparticulate systems**
Yerlikaya F., Camlik G., AKKOL E., Degim Z., DEĞİM İ. T., Sobarzo-Sanchez E.
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- XXX. **Natural Compounds as Medical Strategies in the Prevention and Treatment of Psychiatric Disorders Seen in Neurological Diseases.**
Kupeli Akkol E., Tatli Cankaya I., ŞEKER KARATOPRAK G., Carpar E., Sobarzo-Sanchez E., Capasso R.
Frontiers in pharmacology, vol.12, pp.669638, 2021 (SCI-Expanded)
- XXXI. **Ageratum conyzoides L. and Its Secondary Metabolites in the Management of Different Fungal Pathogens**
Chahal R., Nanda A., AKKOL E., Sobarzo-Sanchez E., Arya A., Kaushik D., Dutt R., Bhardwaj R., Rahman M. H., Mittal V.
MOLECULES, vol.26, no.10, 2021 (SCI-Expanded)
- XXXII. **Antibacterial, antifungal and enzyme inhibitory effects of selected plants from Turkey**
Gürbüz İ., Özçelik B., Günbatan T., Akkol E., Sahinoz M., Akaydın G.
PAKISTAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.34, no.3, pp.1011-1017, 2021 (SCI-Expanded)
- XXXIII. **Targeting Multiple Signal Transduction Pathways of SARS-CoV-2: Approaches to COVID-19 Therapeutic Candidates**
Fakhri S., Nouri Z., Moradi S. Z., AKKOL E., Piri S., Sobarzo-Sanchez E., Farzaei M. H., Echeverria J.
MOLECULES, vol.26, no.10, 2021 (SCI-Expanded)
- XXXIV. **An Effective Phytoconstituent Aconitine: A Realistic Approach for the Treatment of Trigeminal Neuralgia**
Çankal D. A., Akkol E., Kılınç Y., İlhan M., Capasso .
Mediators Of Inflammation, vol.2021, pp.1-8, 2021 (SCI-Expanded)
- XXXV. **Glyco-nanoparticles: New drug delivery systems in cancer therapy**

- Khan H., Mirzaei H. R., Amiri A., AKKOL E., Halimi S. M. A., Mirzaei H.
SEMINARS IN CANCER BIOLOGY, vol.69, pp.24-42, 2021 (SCI-Expanded)
- XXXVI. **Gut-Brain-Microbiota Axis: Antibiotics and Functional Gastrointestinal Disorders.**
KARAKAN T., ÖZKUL KOÇAK C., Kupeli Akkol E., BİLİCİ S., Sobarzo-Sanchez E., Capasso R.
Nutrients, vol.13, no.2, 2021 (SCI-Expanded)
- XXXVII. **A Realistic Approach for Anti-Inflammatory, Antinociceptive and Antimicrobial Activities, and Risk Assessment of the Aqueous Extract of *Platanus orientalis* L. Leaves**
YEŞİLADA E., AKKOL E., AYDIN A., Hamitoglu M.
CURRENT MOLECULAR PHARMACOLOGY, vol.14, no.5, pp.753-759, 2021 (SCI-Expanded)
- XXXVIII. **Pain Perception and Management: Where do We Stand?**
Afridi B., Khan H., AKKOL E., Aschner M.
CURRENT MOLECULAR PHARMACOLOGY, vol.14, no.5, pp.678-688, 2021 (SCI-Expanded)
- XXXIX. **Predicted SARS-CoV-2 miRNAs Associated with Epigenetic Viral Pathogenesis and the Detection of New Possible Drugs for Covid-19.**
Çetin Z., Bayrak T., Oğul H., Saygili E. I., Akkol E.
Current drug delivery, vol.18, no.10, pp.1595-1610, 2021 (SCI-Expanded)
- XL. **Promising Perspective to Facioscapulohumeral Muscular Dystrophy Treatment: Nutraceuticals and Phytochemicals.**
HANGÜL C., Karaüzüm S. B., Akkol E., Demir-Dora D., Çetin Z., Saygılı E. İ., Evcili G., Sobarzo-Sánchez E.
Current neuropharmacology, vol.19, no.12, pp.2276-2295, 2021 (SCI-Expanded)
- XL1. **Datura metel: A Review on Chemical Constituents, Traditional Uses and Pharmacological Activities**
Alam W., Khan H., Khan S. A., Nazir S., AKKOL E.
CURRENT PHARMACEUTICAL DESIGN, vol.27, no.22, pp.2545-2557, 2021 (SCI-Expanded)
- XLII. **Pain and Inflammation Management by Using Bioactive Molecules Derived from Medicinal Plants or Natural Products**
AKKOL E., Sobarzo-Sanchez E.
CURRENT MOLECULAR PHARMACOLOGY, vol.14, no.5, pp.677, 2021 (SCI-Expanded)
- XLIII. **The role of glycogen synthase kinase 3 beta in multiple sclerosis**
Noori T., Dehpour A. R., Sureda A., Fakhri S., Sobarzo-Sanchez E., Farzaei M. H., Akkol E., Khodarahmi Z., Hosseini S. Z., Alavi S. D., et al.
BIOMEDICINE & PHARMACOTHERAPY, vol.132, 2020 (SCI-Expanded)
- XLIV. **Flavonoids targeting NRF2 in neurodegenerative disorders**
Khan H., Tundis R., Ullah H., Aschner M., Belwal T., Mirzaei H., Akkol E.
FOOD AND CHEMICAL TOXICOLOGY, vol.146, 2020 (SCI-Expanded)
- XLV. **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, vol.144, 2020 (SCI-Expanded)
- XLVI. **A phytopharmacological overview of medicinal plants used for prophylactic and treatment of colitis**
AKKOL E., Karpuz B., Sobarzo-Sanchez E., Khan H.
FOOD AND CHEMICAL TOXICOLOGY, vol.144, 2020 (SCI-Expanded)
- XLVII. **From nutrition to medicine: Assessing hemorrhoid healing activity of *Solanum melongena* L. via in vivo experimental models and its major chemicals**
Donmez C., Yalcin F. N., Boyacioglu O., KORKUSUZ P., AKKOL E., NEMUTLU E., BALABAN H. Y., KOCA ÇALIŞKAN U.
JOURNAL OF ETHNOPHARMACOLOGY, vol.261, 2020 (SCI-Expanded)
- XLVIII. **Oxidative Stress and Marine Carotenoids: Application by Using Nanoformulations**
GENÇ Y., BARDAKCI H., YÜCEL Ç., ŞEKER KARATOPRAK G., AKKOL E., BARAK T. H., Sobarzo-Sanchez E.
MARINE DRUGS, vol.18, no.8, 2020 (SCI-Expanded)
- XLIX. **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, vol.258, 2020 (SCI-Expanded)

- L. **Anticancer Potential of Furanocoumarins: Mechanistic and Therapeutic Aspects**
Ahmed S., Khan H., Aschner M., Mirzae H., AKKOL E., Capasso R.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.21, no.16, 2020 (SCI-Expanded)
- LI. **Coumarins and Coumarin-Related Compounds in Pharmacotherapy of Cancer**
AKKOL E., GENÇ Y., Karpuz B., Sobarzo-Sanchez E., Capasso R.
CANCERS, vol.12, no.7, 2020 (SCI-Expanded)
- LII. **Combretastatins: An Overview of Structure, Probable Mechanisms of Action and Potential Applications**
ŞEKER KARATOPRAK G., AKKOL E., GENÇ Y., BARDAKCI H., YÜCEL Ç., Sobarzo-Sanchez E.
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- LIII. **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.
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- LIV. **Effect of *Sorbus domestica* and its active constituents in an experimental model of colitis rats induced by acetic acid**
AKKOL E., Dereli F. T. G., TASTAN H., Sobarzo-Sanchez E., Khan H.
JOURNAL OF ETHNOPHARMACOLOGY, vol.251, 2020 (SCI-Expanded)
- LV. **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.
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- LVI. **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.
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- LVII. **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)
- LVIII. **Potential Antioxidant and Enzyme Inhibitory Effects of Nanoliposomal Formulation Prepared from *Salvia aramiensis* Rech. f. Extract**
ŞEKER KARATOPRAK G., YÜCEL Ç., GÖGER F., Sobarzo-Sanchez E., AKKOL E.
ANTIOXIDANTS, vol.9, no.4, 2020 (SCI-Expanded)
- LIX. **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)
- LX. **Enzyme inhibitory assessment of the isolated constituents from *Plantago holosteam* Scop.**
Dereli F. T. G., GENÇ Y., SARAÇOĞLU İ., AKKOL E.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.75, pp.121-128, 2020 (SCI-Expanded)
- LXI. **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)
- LXII. **Antidepressant Potential of *Lotus corniculatus* L. subsp. *corniculatus*: An Ethnobotany Based Approach**
Guragac Dereli F. T., Khan H., Sobarzo-Sanchez E., AKKOL E.
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- LXIII. **Anti-inflammatory Activity of Sesquiterpene Lactones from *Chrysophthalmum montanum* (DC.) Boiss**
Ayaz F., AKKOL E., Goren N., ÇALIŞ İ., Dereli F. T. G., DUMAN H., Choudhary M. I., Kucukboyaci N.

- RECORDS OF NATURAL PRODUCTS, vol.14, no.1, pp.48-56, 2020 (SCI-Expanded)
- LXIV. **Neuroprotective Effects of Quercetin in Alzheimer's Disease**
Khan H, Ullah H, Aschner M, Cheang W. S., AKKOL E.
BIOMOLECULES, vol.10, no.1, 2020 (SCI-Expanded)
- LXV. **The inhibitory effects of isolated constituents from *Plantago major* subsp. *major* L. on collagenase, elastase and hyaluronidase enzymes: Potential wound healer**
GENÇ Y., Dereli F. T. G., SARAÇOĞLU İ., AKKOL E.
SAUDI PHARMACEUTICAL JOURNAL, vol.28, no.1, pp.101-106, 2020 (SCI-Expanded)
- LXVI. **Roles of Medicinal Plants and Constituents in Gynecological Cancer Therapy: Current Literature and Future Directions**
AKKOL E., Dereli F. T. G., Sobarzo-Sanchez E., Khan H.
CURRENT TOPICS IN MEDICINAL CHEMISTRY, vol.20, no.20, pp.1772-1790, 2020 (SCI-Expanded)
- LXVII. **Inhibitory activity of *Scorzonera latifolia* and its components on enzymes connected with healing process**
AKKOL E., Smejkal K., Kurtul E., İlhan M., Guragac F. T., Iscan G. S., ACIKARA Ö. B., Cvacka J., Budesinsky M.
JOURNAL OF ETHNOPHARMACOLOGY, vol.245, 2019 (SCI-Expanded)
- LXVIII. **Inhibitory activity of *Podospermum canum* and its active components on collagenase, elastase and hyaluronidase enzymes**
ACIKARA Ö. B., İlhan M., Kurtul E., Smejkal K., AKKOL E.
BIOORGANIC CHEMISTRY, vol.93, 2019 (SCI-Expanded)
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