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Research Areas

Pharmacology and Therapeutics, Health Sciences

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Chemical composition and antimicrobial activity of the commercial *Origanum onites* L. oil against nosocomial carbapenem resistant extended spectrum beta lactamase producer *Escherichia coli* isolates**
KAŞKATEPE B., Yildiz S. S., Kiymaci M. E., Yazgan A. N., Cesur S., ASLAN ERDEM S.
Acta Biologica Hungarica, vol.68, no.4, pp.466-476, 2017 (SCI-Expanded)
- II. **Sage tea-thyme-peppermint hydrosol oral rinse reduces chemotherapy-induced oral mucositis: A randomized controlled pilot study**
Yayla E. M., İZGÜ N., ÖZDEMİR L., ASLAN ERDEM S., Kartal M.
COMPLEMENTARY THERAPIES IN MEDICINE, vol.27, pp.58-64, 2016 (SCI-Expanded)
- III. **Comparison of the contents and antimicrobial activities of commercial and natural cinnamon oils**
Kaskatepe B., Kiymaci M. E., Simsek D., Erol H. B., ASLAN ERDEM S.
Indian Journal of Pharmaceutical Sciences, vol.78, no.4, pp.541-548, 2016 (SCI-Expanded)
- IV. **Antibacterial effects of cinnamon oil against carbapenem resistant nosocomial *Acinetobacter baumannii* and *Pseudomonas aeruginosa* isolates**
KAŞKATEPE B., Kiymaci M. E., Suzuk S., ASLAN ERDEM S., Cesur S., Yildiz S.
INDUSTRIAL CROPS AND PRODUCTS, vol.81, pp.191-194, 2016 (SCI-Expanded)
- V. **Exploring in vitro neurobiological effects and high-pressure liquid chromatography-assisted quantitation of chlorogenic acid in 18 Turkish coffee brands**
ASLAN ERDEM S., ŞENOL DENİZ F. S., Budakoglu E., ERDOĞAN ORHAN İ., Sener B.
JOURNAL OF FOOD AND DRUG ANALYSIS, vol.24, no.1, pp.112-120, 2016 (SCI-Expanded)
- VI. **Antinociceptive Effects of Turkish Endemic *Eryngium kotschyi* Boiss. Roots by Bioactivity Guided Fractionation**
ASLAN ERDEM S., ARIHAN O., Mitaine-Offier A., Iskit A. B., KARTAL M., Lacaille-Dubois M.
RECORDS OF NATURAL PRODUCTS, vol.10, no.2, pp.168-175, 2016 (SCI-Expanded)
- VII. **Recent Developments in Pharmaceutical Sciences 11th ISOPS-International Symposium on Pharmaceutical Sciences, June 9-12 2015**

YÜKSEL N., ASLAN ERDEM S., SEZGİN BAYINDIR Z.

CURRENT DRUG DELIVERY, vol.13, no.3, pp.300, 2016 (SCI-Expanded)

- VIII. **Blessings in disguise: a review of phytochemical composition and antimicrobial activity of plants belonging to the genus *Eryngium***
ASLAN ERDEM S., Nabavi S. F., ERDOĞAN ORHAN İ., Daglia M., Izadi M., Nabavi S. M.
DARU-JOURNAL OF PHARMACEUTICAL SCIENCES, vol.23, 2015 (SCI-Expanded)
- IX. **Tyrosinase and Cholinesterase Inhibitory Potential and Flavonoid Characterization of *Viola odorata* L. (Sweet Violet)**
ERDOĞAN ORHAN İ., ŞENOL DENİZ F. S., ASLAN ERDEM S., ÇANKAYA İ. İ., Kartal M., Alp Ş.
PHYTOTHERAPY RESEARCH, vol.29, no.9, pp.1304-1310, 2015 (SCI-Expanded)
- X. **Fern-ptaquilodise-carcinogenesis link: a Turkish perspective**
YURDAKÖK DİKMEN B., KISMALI G., ASLAN ERDEM S., FİLAZİ A., Ozkul A.
ANTI-CANCER DRUGS, vol.26, 2015 (SCI-Expanded)
- XI. **Comparison of antibacterial activity of cultured and naturally growing lyophilized extracts of marjoram (*Origanum majorana* L.) hydrosols**
ASLAN ERDEM S., Bas B., Yurdakok Dikmen B., FİLAZİ A.
JOURNAL OF VETERINARY PHARMACOLOGY AND THERAPEUTICS, vol.38, pp.172-173, 2015 (SCI-Expanded)
- XII. **Triterpene saponins from *Eryngium kotschy***
ASLAN ERDEM S., Mitaine-Offer A., Miyamoto T., Kartal M., Lacaille-Dubois M.
PHYTOCHEMISTRY, vol.110, pp.160-165, 2015 (SCI-Expanded)
- XIII. **Contractile Effects of *Eryngium kotschy* Boiss. on Rat Isolated Ileum and Detrusor Muscle**
BAYDAN E., Kartal M., YURDAKÖK DİKMEN B., ASLAN ERDEM S., İNCE S., Ekici H., ALP H.
KAFKAS UNIVERSİTESİ VETERİNER FAKÜLTESİ DERGİSİ, vol.20, no.5, pp.779-785, 2014 (SCI-Expanded)
- XIV. **Exploration of cholinesterase and tyrosinase inhibitory, antiprotozoal and antioxidant effects of *Buxus sempervirens* L. (boxwood)**
ERDOĞAN ORHAN İ., ASLAN ERDEM S., ŞENOL DENİZ F. S., Kartal M., Sener B.
INDUSTRIAL CROPS AND PRODUCTS, vol.40, pp.116-121, 2012 (SCI-Expanded)
- XV. **Enzyme inhibitory and antioxidant activity of *Melia azedarach* L. naturalized in Anatolia and its phenolic acid and fatty acid composition**
ERDOĞAN ORHAN İ., Guner E., Ozturk N., ŞENOL DENİZ F. S., ASLAN ERDEM S., Kartal M., Sener B.
INDUSTRIAL CROPS AND PRODUCTS, vol.37, no.1, pp.213-218, 2012 (SCI-Expanded)
- XVI. **Selective Cholinesterase Inhibitors from *Buxus sempervirens* L. and their Molecular Docking Studies**
ERDOĞAN ORHAN İ., Khan M. T. H., ASLAN ERDEM S., Kartal M., Sener B.
CURRENT COMPUTER-AIDED DRUG DESIGN, vol.7, no.4, pp.276-286, 2011 (SCI-Expanded)
- XVII. **Evaluation of Cholinesterase Inhibitory and Antioxidant Activities of Wild and Cultivated Samples of Sage (*Salvia fruticosa*) by Activity-Guided Fractionation**
ŞENOL DENİZ F. S., ERDOĞAN ORHAN İ., ASLAN ERDEM S., Kartal M., Sener B., KAN Y., Celep F., Kahraman A., DOĞAN M.
JOURNAL OF MEDICINAL FOOD, vol.14, no.11, pp.1476-1483, 2011 (SCI-Expanded)
- XVIII. **Fatty acid composition of hibiscus trionum L. (Malvaceae)**
KILIÇ C. S., Aslan S., Kartal M., Coskun M.
Records of Natural Products, vol.5, no.1, pp.65-69, 2011 (SCI-Expanded)
- XIX. **Variations in fatty acid compositions of the seed oil of *Eruca sativa* Mill. caused by different sowing periods and nitrogen forms**
Uğur A., SÜNTAR İ., Aslan S., ERDOĞAN ORHAN İ., Kartal M., Şekeroğlu N., EŞİYOK D., Sener B.
Pharmacognosy Magazine, vol.6, no.24, pp.305-308, 2010 (SCI-Expanded)
- XX. **Essential oil composition of *achillea teretifolia* from turkey**
Aslan S., Evren H., Konuklugil B., Turkoglu I., KARTAL M.
Chemistry of Natural Compounds, vol.45, no.2, pp.274-275, 2009 (SCI-Expanded)
- XXI. **Composition of the essential oil from roots and rhizomes of valeriana phu l. growing wild in Turkey**
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- Journal of Essential Oil Research, vol.21, no.5, pp.437-440, 2009 (SCI-Expanded)
- XXII. **In vitro biological activity screening of *Lycopodium complanatum* L. ssp *chamaecyparissus* (A. Br.) Doll**
ERDOĞAN ORHAN İ., ÖZÇELİK B., Aslan S., Kartal M., Karaoglu T., Şener B., TERZİOĞLU S., Iqbal Choudhary M.
NATURAL PRODUCT RESEARCH, no.6, pp.514-526, 2009 (SCI-Expanded)
- XXIII. **Preliminary examination of the composition of the essential oil from the roots and rhizomes of *valeriana alpestris* stev. growing in Turkey**
Özbay Ö., Aslan S., Kartal M., Kurucu S., Bos R., Woerdenbag H. J., Kayser O.
Journal of Essential Oil Research, vol.21, no.6, pp.555-557, 2009 (SCI-Expanded)
- XXIV. **Fatty acid composition of seed oil of different *Sorghum bicolor* varieties**
Mehmood S., Orhan K., Ahsan Z., Aslan S., Gulfraz M.
Food Chemistry, vol.109, no.4, pp.855-859, 2008 (SCI-Expanded)
- XXV. **Inhibitory effect of Turkish *Rosmarinus officinalis* L. on acetylcholinesterase and butyrylcholinesterase enzymes**
ERDOĞAN ORHAN İ., Aslan S., Kartal M., Şener B., Hüsnü Can Başer K.
Food Chemistry, vol.108, no.2, pp.663-668, 2008 (SCI-Expanded)
- XXVI. **Quantification of daidzein, genistein and fatty acids in soybeans and soy sprouts, and some bioactivity studies**
ERDOĞAN ORHAN İ., ÖZÇELİK B., Kartal M., Aslan S., ŞENER B., ÖZGÜVEN M.
Acta Biologica Cracoviensia Series Botanica, vol.49, no.2, pp.61-68, 2007 (SCI-Expanded)
- XXVII. **Essential oil of *Cyclotrichium longiflorum* leblebici**
Aslan S., Firat M., Konuklugil B.
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- XXVIII. **Comparative evaluation of the anti-inflammatory and antinociceptive activity of Turkish *Eryngium* species**
Kupeli E., Kartal M., Aslan S., Yesilada E.
Journal of Ethnopharmacology, vol.107, no.1, pp.32-37, 2006 (SCI-Expanded)
- XXIX. **GC-MS analysis and antibacterial activity of cultivated *Satureja cuneifolia* Ten. essential oil**
Kan Y., Ucan U. S., Kartal M., ALTUN M. L., Aslan S., Sayar E., Ceyhan T.
Turkish Journal of Chemistry, vol.30, no.2, pp.253-259, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Effects of Rosemary (*Rosmarinus Officinalis* L.) Extract on the Proliferation and Apoptosis of A549 and H1299 Human Lung Cancer Cells**
ALİMOĞULLARI E., KARTAL B., ÖZDEMİR SANCİ T., ASLAN ERDEM S., CEYLAN A. F.
Acta Medica Nicomedia, vol.7, no.3, pp.293-300, 2024 (Peer-Reviewed Journal)
- II. **Resveratrol Inhibits Palmitic Acid Induced Endoplasmic Reticulum Stres: Anti-Apoptotic Effect**
CEYLAN A. F., ERDEM S. A.
Kırıkkale Üniversitesi Tıp Fakültesi Dergisi, vol.18, no.2, pp.68-74, 2016 (Peer-Reviewed Journal)
- III. **Antibacterial and antioxidant activity of *Eryngium kotschyi* and *Eryngium maritimum***
YURDAKÖK DİKMEN B., Gencay Y. E., BAYDAN E., Erdem S., Kartal M.
Journal of Food, Agriculture and Environment, vol.12, no.2, pp.35-39, 2014 (Scopus)
- IV. **Fatty acid profile and antimicrobial effect of the seed oils of *Urtica dioica* and *U. pilulifera***
Kan Y., ERDOĞAN ORHAN İ., Koca U., ÖZÇELİK B., Aslan S., Kartal M., Küsmenoğlu Ş.
Turkish Journal of Pharmaceutical Sciences, vol.6, no.1, pp.21-30, 2009 (Scopus)
- V. **Fatty acid analysis of some Turkish apricot seed oils by GC and GC-MS techniques**
ERDOĞAN ORHAN İ., Koca U., Aslan S., Kartal M., Küsmenoğlu Ş.
Turkish Journal of Pharmaceutical Sciences, vol.5, no.1, pp.29-34, 2008 (Scopus)
- VI. **Bazı Türk kayısı çekirdek yağlarının GC ve GC-MS teknikleri ile yağ asidi analizi**

- ORHAN İ., ÇALIŞKAN U. K., ERDEM S. A., KARTAL M., KÜSMENOĞLU Ş.
Turkish Journal of Pharmaceutical Sciences, vol.5, no.1, pp.29-34, 2008 (Scopus)
- VII. **Comparison of the fixed oil of seeds and roots of *Capsella bursa-pastoris* (L.) Medik (Cruciferae) *Capsella bursa-pastoris* (L.) medik (Cruciferae) tohumlarının ve köklerinin sabit yağ içerikleri açısından karşılaştırılması**
KILIÇ C. S., Aslan S., Kartal M., Coşkun M.
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.36, no.1, pp.1-7, 2007 (Scopus)
- VIII. **Composition of essential oil of *Cuminum cyminum* L. according to harvesting times**
Kan Y., Kartal M., Özek T., Aslan S., Başer K. H. C.
Turkish Journal of Pharmaceutical Sciences, vol.4, no.1, pp.25-29, 2007 (Scopus)
- IX. **Antioxidant and antimicrobial actions of the clubmoss *Lycopodium clavatum* L.**
ERDOĞAN ORHAN İ., ÖZÇELİK B., Aslan S., Kartal M., Karaoglu T., Şener B., TERZİOĞLU S., Choudhary M. I.
Phytochemistry Reviews, vol.6, no.1, pp.189-196, 2007 (Scopus)
- X. ***Capsella bursa pastoris* l Medik cruciferae tohumlarının ve köklerinin sabit yağ içerikleri açısından karşılaştırılması comparison of the fixed oil of seeds and roots of capsella bursapastoris**
KILIÇ C. S., ASLAN ERDEM S., KARTAL M., COŞKUN M.
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.36, no.1, pp.1-7, 2007 (Scopus)
- XI. **Composition of essential oil of fennel fruits cultivated at different conditions Farkli koşullarda yetistirilen rezene meyvelerinin uçucu yağ bileşenleri**
Kan Y., Kartal M., Aslan S., Yildirim N.
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.35, no.2, pp.95-101, 2006 (Scopus)
- XII. **Comparison of ω -3 fatty acids by GC-MS in frequently consumed fish and fish oil preparations on the Turkish market**
Kartal M., Kurucu S., Aslan S., Özbay Ö., Ceyhan T., Sayar E., Cevheroğlu Ş.
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Books & Book Chapters

- I. **Surfactant-based electrodes for the quantification of flavonoids**
ASLAN ERDEM S., SUBAK H., Aslan P., ALTAY D., Özkan-Arıkoysal D., KURBANOĞLU S.
in: Surfactant Based Electrochemical Sensors and Biosensors, Hussain Chaudhery Mustansar, Manjunatha Jamballi G., Editor, Elsevier, Amsterdam, pp.443-469, 2024
- II. ***Juniperus* sp.**
ASLAN ERDEM S., EKŞİ BONA G.
in: Medicinal Plants of Turkey, Koca Caliskan Ufuk, Editor, CRC Press, Boca Raton, pp.96-117, 2023
- III. **Pürin Alkaloidleri**
YURDAKÖK DİKMEN B., ASLAN ERDEM S., FİLAZİ A.
in: Türkiye Klinikleri Gıda Bilimleri Özel Konular: Gıda Alkaloidleri ve Halk Sağlığı Açısından Önemleri, Küplülü, Ö, Editor, Türkiye Klinikleri, pp.61-70, 2022
- IV. **Pürin Alkaloidleri**
Yurdakök Dikmen B., Aslan Erdem S., Filazi A.
in: Gıda Alkaloidleri ve Halk Sağlığı Açısından Önemleri, Özlem Küplülü, Editor, Türkiye Klinikleri, Ankara, pp.61-70, 2022
- V. **Analysis of diterpenes and diterpenoids**
EKŞİ G., KURBANOĞLU S., ASLAN ERDEM S.
in: Recent Advances in Natural Products Analysis, Silva, A. S, Nabavi, S. F., Saeedi, M., Nabavi, S. M., Editor, Elsevier, pp.313-345, 2020
- VI. ***Vitis vinifera* (Üzüm)**
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in: Tedavide Kullanılan Bitkiler FFD Monografaları, Demirezer L. Ömür , Editor, MN Medikal & Nobel Tıp Kitabevi,

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VII. **Vaccinium myrtillus (Yaban mersini)**

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Refereed Congress / Symposium Publications in Proceedings

- I. **DETERMINATION OF THE DISSOLUTION OF HYPERICIN FROM POLYMERIC NANOPARTICLES BY HPLC ANALYSIS**
BÜKE A. N., KILIÇARSLAN M., ASLAN ERDEM S.
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- II. **A novel electrochemical tyrosinase biosensor for the monitoring inhibition of Rosmaniric acid from plants**
Alhadran R., Keleş G., CEVHER Ş. C., ALTAY D., ASLAN ERDEM S., SÖYLEMEZ S., ÇIRPAN A., TOPPARE L. K., KURBANOĞLU S.
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- III. **Essential Oil of Achillea coarctata Poir**
ŞABANOĞLU S., ASLAN ERDEM S., ALTUN M. L.
13 th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- IV. **Comparison Of The Volatile Composition Of Some Fennel Herbal Teas (Foeniculum Vulgare Mill.) From Turkey**
KARACAOĞLU M., Şabanoğlu S., Kılıç E., ASLAN ERDEM S.
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- V. **Antifungal activities of cultured and naturally growing marjoram (Origanum majoranaL.) essential oils and their effect on some virulence factors of C. albicans.**
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- VI. **Antimicrobial activity of the commercial Origanum onites L. oil against nosocomial ESBL producer Escherichia coli isolates and its chemical composition**
KAŞKATEPE B., SÜZÜK YILDIZ S., KIYMACI M. E., YAZGAN A. N., CESUR S., ASLAN ERDEM S.
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- VII. **GC/MS analysis and in vitro antimicrobial activity of the essential oils and various extracts of three Achillea species**
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- VIII. **Fern ptaquilodise carcinogenesis link a Turkish perspective**
YURDAKÖK DİKMEN B., KISMALI G., ASLAN ERDEM S., FİLAZİ A., Özkul A.
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- IX. **Comparison of antibacterial activity of cultured and naturally growing lyophilized extracts of marjoram Origanum majoranaL hydrosols**
ASLAN ERDEM S., BAŞ B., YURDAKÖK DİKMEN B., FİLAZİ A.
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- X. **ANTIMICROBIAL PROPERTIES OF THYME AND SAGE OILS AGAINST SOME PATHOGENS**
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- XI. **Antibacterial effects of cinnamon oil against carbapenem resistant nosocomial *Acinetobacter baumannii* isolates (P 409)**
KAŞKATEPE B., BOZKURT M. E., SÜZÜK S., ASLAN ERDEM S., CESUR S., YILDIZ S.
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- XII. **Antimicrobial properties of thyme and sage oils against some pathogens (p 419)**
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- XIII. **Essential Oil Content and Germination Behavior of *Rosa* Species Cultivated in the Lake Van Basin, Turkey**
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- XIV. **Comparing the antimicrobial activities of various commercial essential oils of cinnamon and rosemary.**
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- XV. **Comparing the antimicrobial activities of various commercial essential oils of cinnamon and rosemary**
KAŞKATEPE B., BOZKURT M. E., ŞİMŞEK D., ASLAN ERDEM S., YILDIZ S.
ICAR, 1 - 03 October 2014
- XVI. **Composition of Essential Oil of in the Aerial Parts of *E pubigerum* DC Moren Decaisne Berberdaceae Growing in Turkey**
ÇİÇEK POLAT D., ASLAN ERDEM S., COŞKUN M.
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- XVII. **In Vitro Antiviral Activity Of *Heliotropium Dolosum* De Not, *H. Lasiocarpum* Fisch Et Mey and *H. Hirsutissimum* Grauer Growing In Turkey**
KARAKAYA S., YURDAKÖK DİKMEN B., AKKUTAY YOLDAR A. Z., ASLAN ERDEM S., KILIÇ C. S.
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- XVIII. ***Ballota acetabulosa* L Benth Bitkisi Üzerinde Farmakognozik Araştırmalar**
YAZGAN A. N., ASLAN ERDEM S., BAKAR F., SEVER YILMAZ B.
XXI. Bitkisel İlaç Hammaddeleri Toplantısı (BİHAT-2014), Turkey, 28 May - 01 June 2014
- XIX. **Effects of the endemic plant *Eryngium kotschyi* on rat isolated ileum and detrussor muscle**
BAYDAN E., KARTAL M., ASLAN ERDEM S., İNCE S., YURDAKÖK DİKMEN B., EKİCİ H., ALP H.
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