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Education Information

Associate Degree, Anadolu University, Open Education Faculty, Department Of Law, Turkey 2017 - 2019

Doctorate, Ankara University, Sağlık Bilimleri Enstitüsü, Farmasötik Toksikoloji (Dr) (Eczacılık), Turkey 2014 - 2019

Postgraduate, Ankara University, Sağlık Bilimleri Enstitüsü, Farmasötik Toksikoloji (YI) (Tezli), Turkey 2011 - 2014

Undergraduate, Ankara University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 2005 - 2010

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Naif ve aktif (alevli) dönemdeki romatoid artrit hastalarında oksidatif stres ve inflamasyon parametrelerinin incelenmesi, Ankara University, Sağlık Bilimleri Enstitüsü, Farmasötik Toksikoloji (Dr) (Eczacılık), 2019

Postgraduate, Borik asitin antioksidan aktivitesinin hücre kültüründe araştırılması, Ankara University, Sağlık Bilimleri Enstitüsü, Farmasötik Toksikoloji (YI) (Tezli), 2014

Research Areas

Pharmacology and Therapeutics, Professional Sciences, Pharmaceutical Toxicology

Academic Titles / Tasks

Associate Professor, Ankara University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2013 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

1. Unveiling the etiological impact of GST-M1, GST-T1, and P53 genotypic variations on brain carcinogenesis

DİRİCAN O., Kaygın P., Oğuztüzün S., HUSSEINI A. A., Sarialtn S., Yılmaz C., ÜNLÜ N., İzci Y.
MOLECULAR BIOLOGY REPORTS, vol.51, no.1, 2024 (SCI-Expanded)

- II. **Chemical compounds isolated from aerial parts of *Bolanthus aziz-sancarii*, a new species from Türkiye**
CAN AĞCA A., Altay D., YILMAZ SARIALTIN S., Bahadır Acikara O., SEVER YILMAZ B., KOÇ M.
NATURAL PRODUCT RESEARCH, 2023 (SCI-Expanded)
- III. **DETERMINATION OF SOME PHENOLICS AND FATTY ACID COMPOUNDS FROM AN ENDEMIC CEPHALARIA SPECIES IN ANATOLIA ALONG WITH ANTIOXIDANT AND ANTI-INFLAMMATORY ACTIVITY**
ERGENE B., KARAASLAN M., Ozler K. I., YILMAZ SARIALTIN S., AKSOY N., SALTAN İŞCAN H. G.
PAKISTAN JOURNAL OF BOTANY, vol.55, no.4, pp.1419-1427, 2023 (SCI-Expanded)
- IV. **Cytotoxic and antioxidant activities and phytochemical analysis of *Smilax excelsa* L. and *Aegopodium podagraria* L.**
YILMAZ SARIALTIN S., ÇİÇEK POLAT D., YALÇIN C. Ö.
Food Bioscience, vol.52, 2023 (SCI-Expanded)
- V. **Assessment of Correlation Analysis, Phytochemical Profile, and Biological Activities of Endemic *Scorzonera* Species from Turkey**
YILMAZ SARIALTIN S., BAHADIR ACIKARA Ö.
CHEMISTRY & BIODIVERSITY, vol.19, no.10, 2022 (SCI-Expanded)
- VI. **Design, Synthesis, in Vitro and in Silico Studies of Benzimidazole-Linked Oxadiazole Derivatives as Anti-inflammatory Agents**
ÇELİK İ., YILMAZ SARIALTIN S., ÇOBAN T., KILCIGİL G.
CHEMISTRYSELECT, vol.7, no.28, 2022 (SCI-Expanded)
- VII. **Pyrazoline and Hydrazone Derivatives as Potent Membrane Stabilizer and Antioxidant Compounds**
Aksoz B. E., Sarialtn S., ÇOBAN T.
Pharmaceutical Chemistry Journal, vol.56, no.2, pp.220-225, 2022 (SCI-Expanded)
- VIII. **Cytotoxicity, genotoxicity, oxidative stress, apoptosis, and cell cycle arrest in human Sertoli cells exposed to boric acid**
YILMAZ SARIALTIN S., ÜSTÜNDAĞ A., Mhlanga Chinheya R., İPEK S., DUYDU Y.
Journal of Trace Elements in Medicine and Biology, vol.70, 2022 (SCI-Expanded)
- IX. **Bioactivities of *Alchemilla mollis*, *Alchemilla persica* and Their Active Constituents**
Kurtul E., Eryılmaz M., Sarialtn S., Tekin M., Acikara Ö. B., Çoban T.
BRAZILIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.58, 2022 (SCI-Expanded)
- X. **In vitro inhibitory potential of avocado fruits, *Persea americana* (Lauraceae) against oxidation, inflammation and key enzymes linked to skin diseases**
HÜRKUL M. M., YILMAZ SARIALTIN S., KÖROĞLU A., ÇOBAN T.
REVISTA DE BIOLOGIA TROPICAL, vol.69, no.2, pp.472-481, 2021 (SCI-Expanded)
- XI. **Chemoresistance in Malignant Intracranial Tumors: Longer Survival with Negative MDR1 Expression**
Ezgu M. C., Kural C., Simsek G. G., Kaygın P., OĞUZTÜZÜN S., Kirik A., Yasar S., KÖSE G., YILMAZ SARIALTIN S., ÇOBAN T., et al.
TURKISH NEUROSURGERY, vol.31, no.3, pp.447-459, 2021 (SCI-Expanded)
- XII. **Antioxidant, anti-inflammatory and antidiabetic activity of two *Sternbergia* taxons from Turkey**
CAN AĞCA A., Ekici A. N., YILMAZ SARIALTIN S., ÇOBAN T., İscan G. S., Yılmaz B.
South African Journal of Botany, vol.136, pp.105-109, 2021 (SCI-Expanded)
- XIII. **New pathway in rheumatic mitral valve disease: cytochrome P450 and glutathione S transferase isozyme expression**
Simsek E., Simsek G., Soyol M. F. T., Kaygın P., Duzgun A. C., YILMAZ SARIALTIN S., Kaplan S., OĞUZTÜZÜN S.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.45, no.6, pp.869-875, 2020 (SCI-Expanded)
- XIV. **IMMUNOCYTOCHEMICAL EVALUATION OF GLUTATHIONE-S-TRANSFERASE P1 ENZYME IN PATIENTS WITH RHEUMATOID ARTHRITIS**
Dirican O., Kaygın P., OĞUZTÜZÜN S., Simsek G. G., Hayat B., YILMAZ SARIALTIN S., ÇOBAN T.

- HLA, vol.93, no.5, pp.336, 2019 (SCI-Expanded)
- XV. **GLUTATHIONE-S-TRANSFERASE AND P53 EXPRESSIONS IN HUMAN MALIGNANT, BENIGN AND METASTASIS OVARIAN TUMOR TISSUES**
Dirican O., Kaygin P., OĞUZTÜZÜN S., Erdem A., Simsek G. G., YILMAZ SARIALTIN S., ÇOBAN T.
HLA, vol.93, no.5, pp.335-336, 2019 (SCI-Expanded)
- XVI. **An Overview on the Role of Macular Xanthophylls in Ocular Diseases**
YILMAZ SARIALTIN S., ÇOBAN T.
RECORDS OF NATURAL PRODUCTS, vol.12, no.2, pp.107-120, 2018 (SCI-Expanded)
- XVII. **Evaluation of the antidiabetic property of Capparis ovata desf. Var. Palaestina Zoh. extracts using in vivo and in vitro approaches**
Okur M. E., Polat D., ÖZBEK H., Yılmaz S., YOLTAŞ A., ARSLAN R.
Endocrine, Metabolic and Immune Disorders - Drug Targets, vol.18, no.5, pp.489-501, 2018 (SCI-Expanded)
- XVIII. **Hypoglycemic activity of capparis ovata desf. Var. palaestina zoh. methanol extract**
Okur M. E., ÖZBEK H., Polat D., Yılmaz S., ARSLAN R.
Brazilian Journal of Pharmaceutical Sciences, vol.54, no.3, 2018 (SCI-Expanded)
- XIX. **Protective Effect of Boric Acid on Oxidative DNA Damage In Chinese Hamster Lung Fibroblast V79 Cell Lines**
Yılmaz S., ÜSTÜNDAĞ A., ÜLKER Ö., DUYDU Y.
CELL JOURNAL, vol.17, no.4, pp.748-754, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Administration of Steroids and its Impact on Caspase-3 Expression in Pediatric Adenoid Hypertrophy**
Apaydin E., Yasar B., Simsek G., Kaygin P., YILMAZ SARIALTIN S., DİRİCAN O., Cetin H. E., HUSSEINI A. A., OĞUZTÜZÜN S.
INDIAN JOURNAL OF OTOLARYNGOLOGY AND HEAD & NECK SURGERY, 2024 (ESCI)
- II. **İNVESTİGATİON OF THE EFFECT OF WHEAT GERM OIL ON DIABETES-RELATED TESTİCULAR DAMAGE IN TERMS OF OXİDATİVE STRESS PARAMETERS RUŞEYM YAĞININ DİYABETE BAĞLI TESTİKÜLER HASAR ÜZERİNDEKİ ETKİSİNİN OKSİDATİF STRES PARAMETRELERİ YÖNÜNDEN İNCELENMESİ**
Balci Özyurt A., YILMAZ SARIALTIN S.
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.48, no.1, pp.158-168, 2024 (Scopus)
- III. **Kırıkkale İlinde Spermophilus xanthoprimum ve Meriones tristrami'de Glutasyon S-Transferaz-Alfa ve Glutasyon S-Transferaz-Pi Ekspresyon Düzeylerinin Yaşam Koşulları ve Doğal Habitat Farklılıkları Açısından İncelenmesi**
PAMUKOĞLU N., OĞUZTÜZÜN S., DİRİCAN O., YILMAZ SARIALTIN S.
Uluslararası Tarım ve Yaban Hayatı Bilimleri Dergisi, vol.9, no.3, pp.448-459, 2023 (Peer-Reviewed Journal)
- IV. **NLRP3 Expression in Peripheral Blood Mononuclear Cells of Patients with Rheumatoid Arthritis**
YILMAZ SARIALTIN S., KÜÇÜKŞAHİN O., NURAL C., KOZACI L. D., KAYGIN P., ŞİMŞEK G., OĞUZTÜZÜN S., ÇOBAN T.
FABAD JOURNAL OF PHARMACEUTICAL SCIENCES, vol.48, no.3, pp.481-492, 2023 (Scopus)
- V. **Neurological complications and effects of COVID-19: Symptoms and conceivable mechanisms**
Sarioğlu E., Sarialtın S., ÇOBAN T.
Brain Hemorrhages, vol.4, no.3, pp.154-173, 2023 (Scopus)
- VI. **Trachystemon orientalis (L.) G. Don as a Valuable Source of Rosmarinic Acid: Biological Activities and HPLC Profiles**
BIYIK B., YILMAZ SARIALTIN S., GÖKBULUT A., ÇOBAN T., COŞKUN M.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.20, no.3, pp.141-148, 2023 (ESCI)
- VII. **Immunohistochemical approach to obesity disease in terms of expression levels of glutathione s-transferase (sigma, zeta, theta) isozymes**

Davudov M., BULUS H., DİRİCAN O., KAYGIN P., ŞİMŞEK G. G., YILMAZ SARIALTIN S., Gürbüz F. N., OĞUZTÜZÜN S.
The European Research Journal, vol.9, no.3, pp.543-554, 2023 (Peer-Reviewed Journal)

- VIII. **GSTM1, GSTP1, p53 as Some Probable Predictors of Prognosis in Primary and Metastatic Epithelial Ovarian Cancer**
Özer G., Kaygın P., Dirican O., Oğuztüzün S., Yılmaz Sarialtın S., Şimşek G., Erdem A., Kılıç M., Çoban T.
THE EUROPEAN RESEARCH JOURNAL, vol.9, no.3, pp.477-483, 2023 (Peer-Reviewed Journal)
- IX. **Evaluation of Free Radical Scavenging, Anti-inflammatory and Hypoglycemic Activity of Helianthemum oelandicum subsp. incanum (Willk.) G. Lopez from Türkiye**
AĞCA A. C., YILMAZ SARIALTIN S., YILMAZ B. S.
Kahramanmaraş Sütcü İmam Üniversitesi Tarım ve Doğa Dergisi, vol.26, no.2, pp.227-233, 2023 (Peer-Reviewed Journal)
- X. **Antioxidant and Anti-Inflammatory Activity of Different Parts of Sambucus ebulus L.**
CUMHUR B., YILMAZ SARIALTIN S., GÜMÜŞOK S., ÇOBAN T., KILIÇ C. S.
ANKARA UNIVERSİTESİ ECZACILIK FAKULTESİ DERGISI, vol.46, no.3, pp.728-741, 2022 (Scopus)
- XI. **Investigation of the Role of CYP1A1 and CYP1B1 Expressions in Obesity Susceptibility**
POLAT F., BULUŞ H., KAYGIN P., DİRİCAN O., ŞİMŞEK G., YILMAZ SARIALTIN S., GÜRBÜZ N., YILMAZ C., OĞUZTÜZÜN S.
Türk Doğa ve Fen Dergisi, vol.11, no.3, pp.69-78, 2022 (Peer-Reviewed Journal)
- XII. **GST-Theta1 Enzyme Expression Levels in Brain Tumor and Their Relationship with the Clinical Data of the Patients**
DİRİCAN O., KAYGIN P., YILMAZ SARIALTIN S., YILMAZ C., ATEŞ V., ŞİMŞEK G., OĞUZTÜZÜN S., ÇOBAN T., İZCİ Y.
International Journal of Nature and Life Sciences, vol.5, no.2, pp.82-98, 2021 (Peer-Reviewed Journal)
- XIII. **A Preliminary Study on the Antioxidant and Anti-Inflammatory Activities of Opopanax hispidus**
GÜMÜŞOK S., YILMAZ SARIALTIN S., ÇOBAN T., KILIÇ C. S.
Journal of Faculty of Pharmacy of Ankara University, vol.45, no.3, pp.577-585, 2021 (Scopus)
- XIV. **Evaluation of biological activities of onion from Turkey and determination of phytochemical contents**
Hajiguliyeva S., YILMAZ SARIALTIN S., Kurtul E., ERYILMAZ M., GÜRPINAR S. S., Yaylaci B., ÇOBAN T., BAHADIR ACIKARA Ö.
JOURNAL OF RESEARCH IN PHARMACY, vol.25, no.5, pp.554-563, 2021 (ESCI)
- XV. **The role of glutation-s-transferase mu1 and teta1 polymorphisms in chronic obstructive pulmonary disease Kronik obstrüktif akciğer hastalığında glutatyon-s-transferaz mu1 ve teta1 polimorfizmlerinin rol**
Hayat B., Yavuz M. S., Sahin E., Dirican O., YILMAZ SARIALTIN S., Yılmaz C., Yildirim I., ÇOBAN T., Simsek G. G., Oğuztüzün S.
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.45, no.1, pp.41-56, 2021 (Scopus)
- XVI. **Anti-inflammatory and Anti-diabetic Activity of Ballota L. species grown in Turkey**
CAN AĞCA A., YILMAZ SARIALTIN S., YAZGAN EKİCİ A. N., ÇOBAN T., SALTAN İŞCAN H. G., SEVER YILMAZ B.
Istanbul Journal of Pharmacy, vol.51, no.3, pp.326-332, 2021 (ESCI)
- XVII. **Evaluation of Cytotoxic Effects of 2-Monochloropropanediol (2-MCPD) on Mouse TM3 Leydig and TM4 Sertoli Cells in vitro**
YALÇIN C. Ö., YILMAZ SARIALTIN S., ABUDAYYAK M., YENİLMEZ E.
Journal of Nutrition and Dietetics, vol.48, no.1, pp.55-62, 2020 (Peer-Reviewed Journal)
- XVIII. **Evaluation of the Antioxidant Potency of Seseli L. Species (Apiaceae)**
ÖNDER A., Cinar A. S., YILMAZ SARIALTIN S., İZGİ M. N., ÇOBAN T.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.17, no.2, pp.197-202, 2020 (ESCI)
- XIX. **Evaluation of antioxidant potency on Seseli L. species (Apiaceae)**
ÖNDER A., ÇINAR A. S., YILMAZ SARIALTIN S., İZGİ M. N., ÇOBAN T.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.17, no.2, pp.197-202, 2020 (ESCI)
- XX. **Novel piperazine substituted indole derivatives: Synthesis, anti-inflammatory and antioxidant activities and molecular docking**

- Altuntas T., Baydar A., KILIÇ KURT Z., Acar C., YILMAZ SARIALTIN S., ÇOBAN T.
JOURNAL OF RESEARCH IN PHARMACY, vol.24, no.3, pp.350-360, 2020 (ESCI)
- XXI. **Quantification of phenolic and flavonoid contents and some biological activities of ornithogalum sigmoideum freyn & sint**
YALÇIN C. Ö., YILMAZ SARIALTIN S., Polat D.
Journal of Research in Pharmacy, vol.24, no.4, pp.487-496, 2020 (ESCI)
- XXII. **Comparison of Walnut (Juglans regia L.) and Olive (Olea europaea L.) Leaves in Terms of Antioxidant and Antiinflammatory Activity**
ÇİÇEK POLAT D., YILMAZ SARIALTIN S., ÇOBAN T., COŞKUN M.
Adıyaman University Journal of Science, vol.9, pp.242-251, 2019 (Peer-Reviewed Journal)
- XXIII. **3-Kloropropandiol, 2-Kloropropandiol, Esterleri ve Glisidil Yağ Asidi Esterinin Toksik Etkileri**
YALÇIN C. Ö., YILMAZ SARIALTIN S.
Academic Food Journal, vol.17, no.3, pp.401-409, 2019 (Peer-Reviewed Journal)
- XXIV. **Antimicrobial and Anti-Inflammatory Activity of Some Lathyrus L. (Fabaceae) Species Growing in Turkey**
Heydari H., SALTAN İŞCAN H. G., ERYILMAZ M., BAHADIR ACIKARA Ö., YILMAZ SARIALTIN S., Tekin M., ÇOBAN T.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.16, no.2, pp.240-245, 2019 (ESCI)
- XXV. **The Uses of Stem Cells in Toxicology Studies**
YALÇIN C. Ö., YILMAZ SARIALTIN S.
Anadolu University Journal of Science and Technology –C Life Sciences and Biotechnology, vol.7, no.1, pp.90-104, 2018 (Peer-Reviewed Journal)
- XXVI. **Glifosat ve Glifosat Bazlı Herbisit Kullanımının İnsan Sağlığı Açısından Riskleri**
YILMAZ SARIALTIN S., ÇOBAN T.
Turkiye Klinikleri Journal of Pharmacy Sciences, vol.6, no.1, pp.1-14, 2017 (Peer-Reviewed Journal)
- XXVII. **Antioxidant activity of Lathyrus L Species Growing in Turkey**
Heydari H., SALTAN H. G., BAHADIR ACIKARA Ö., YILMAZ S., ÇOBAN T., Tekin M.
Turkish Journal of Pharmaceutical Sciences, vol.12, no.3, pp.369-375, 2015 (Scopus)
- XXVIII. **Antioxidant activity of five Lathyrus L. Species growing in Turkey Türkiye’de yetişen beş Lathyrus L. Türlerinin antioksidan etkileri**
Heydari H., SALTAN İŞCAN H. G., BAHADIR ACIKARA Ö., YILMAZ SARIALTIN S., ÇOBAN T., Tekin M.
Turkish Journal of Pharmaceutical Sciences, vol.12, no.3, pp.369-376, 2015 (Scopus)
- XXIX. **Antioxidant activity of five Lathyrus L species growing in Turkey**
HEYDARİ H., SALTAN H. G., BAHADIR ACIKARA Ö., YILMAZ S., ÇOBAN T., TEKİN M.
Turkish Journal of Pharmaceutical Sciences, vol.12, no.3, pp.369-376, 2015 (Scopus)

Books & Book Chapters

- I. **Toksikoloji Terimleri Karşılıklar Kılavuzu**
AKTAY G., YAKINCI M. C., AYDIN A., ÇELİK A., LERMİOĞLU ERCİYAS F., YURDUN T., YALÇIN AZARKAN S., BABA B., BARAN A. H., UÇKUN Z., et al.
Yüksek İhtisas Üniversitesi, 2020
- II. **Çevresel Etkenler ve Otoimmünite İlişkisi**
YILMAZ SARIALTIN S., ÇOBAN T.
in: Eczacılıkta Yenilikler 3, ÖZÇELİKAY GÜLBİN, YILDIZ İLKAY, Editor, Ankara Üniversitesi, Ankara, pp.483-496, 2020
- III. **Toksisite Testlerinde Alternatif Yöntemler**
YILMAZ SARIALTIN S., ÜSTÜNDAĞ A.
in: Eczacılıkta Yenilikler 3, ÖZÇELİKAY GÜLBİN, YILDIZ İLKAY, Editor, Ankara Üniversitesi, Ankara, pp.471-482, 2020
- IV. **Nanotoksikoloji**

ÜSTÜNDAĞ A., YILMAZ SARIALTIN S.

in: Toksikolojinin Temelleri, SÜZEN SİNAN,ERDEM ONUR,ERKEKOĞLU PINAR,ÇAKMAK DEMİRCİGİL GONCA,ADA AHMET OĞUZ,DEMİREL BULUT, Editor, Ankara Nobel Tıp Kitapları, Ankara, pp.411-423, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Anti-inflammatory Activity and Quantitative Determination of Rutin in Prunus spinosa L. Grown in Turkey.**
ÇİÇEK POLAT D., YILMAZ SARIALTIN S., ÇOBAN T., COŞKUN M.
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017
- II. **Investigation of antioxidant activity of boric acid in V79 cell cultures**
Yılmaz S., ÜSTÜNDAĞ A., ÜLKER Ö., DUYDU Y.
50th Congress of the European-Societies-of-Toxicology, Edinburgh, Saint Helena, 7 - 10 September 2014, vol.229

Metrics

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Citation (WoS): 127

Citation (Scopus): 145

H-Index (WoS): 7

H-Index (Scopus): 8

Scholarships

Development of in silico models for mutagenicity potential of chemicals, TUBITAK, 2023 - 2023