

## Assoc. Prof. ŞENGÜL UYSAL

### Personal Information

**Office Phone:** [+90 352 207 6666](tel:+903522076666) Extension: 13882

**Email:** [senguluysal@erciyes.edu.tr](mailto:senguluysal@erciyes.edu.tr)

**Web:** <https://avesis.erciyes.edu.tr/senguluysal>

### International Researcher IDs

ScholarID: cFuVc\_wAAAAJ

ORCID: 0000-0003-4562-1719

Publons / Web Of Science ResearcherID: AAM-1095-2021

ScopusID: 36544640100

Yoksis Researcher ID: 299054

### Education Information

Doctorate, Selcuk University, Institute Of Science, --, Turkey 2013 - 2017

Postgraduate, Selcuk University, Institute Of Science, --, Turkey 2011 - 2013

Undergraduate, Selcuk University, Faculty Of Science, Department Of Biology, Turkey 2007 - 2011

### Certificates, Courses and Trainings

Other, Pedagojik Formasyon, Selçuk Üniversitesi, 2012

### Research Areas

Plant Biochemistry

### Academic Titles / Tasks

Associate Professor, Erciyes University, Halil Bayraktar S.H.M.Y.O., Tıbbi Hizmetler ve Teknikler, 2022 - Continues

Lecturer, Erciyes University, Halil Bayraktar S.H.M.Y.O., Tıbbi Hizmetler ve Teknikler, 2019 - 2022

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. Determination of anticancer activity and biosynthesis of Cu, Zn, and Co hybrid nanoflowers with Tribulus terrestris L. extract**  
Somtürk Yılmaz B., Bekci H., Altıparmak A., Uysal Ş., Şenkardeş İ., Zengin G.  
PROCESS BIOCHEMISTRY, vol.138, pp.14-22, 2024 (SCI-Expanded)
- II. Chemical characterization and pharmacological profile of Tribulus terrestris extracts: A novel source of cosmeceuticals and pharmaceuticals**  
UYSAL Ş., ŞENKARDEŞ İ., Jekó J., Cziáky Z., Zengin G.  
Biochemical Systematics and Ecology, vol.107, 2023 (SCI-Expanded)
- III. Chemical characterization, comprehensive antioxidant capacity, and enzyme inhibitory potential of**

**leaves from *Pistacia terebinthus* L. (Anacardiaceae)**

UYSAL Ş., Sinan K. I., Jeko J., Cziaky Z., Zengin G.

FOOD BIOSCIENCE, vol.48, 2022 (SCI-Expanded)

- IV. **Novel Perceptions on Chemical Profile and Biopharmaceutical Properties of *Mentha spicata* Extracts: Adding Missing Pieces to the Scientific Puzzle**  
Zengin G., Ak G., Ceylan R., UYSAL Ş., Llorent-Martinez E., Di Simone S. C., Rapino M., Acquaviva A., Libero M. L., Chiavaroli A., et al.  
PLANTS-BASEL, vol.11, no.2, 2022 (SCI-Expanded)
- V. **LC-ESI-MS profiling of *Potentilla norvegica* and evaluation of its biological activities**  
Augustynowicz D., Jakimiuk K., UYSAL Ş., Strawa J. W., Juszcak A. M., Zengin G., Tomczyk M.  
SOUTH AFRICAN JOURNAL OF BOTANY, vol.142, pp.259-265, 2021 (SCI-Expanded)
- VI. **New perspectives into the chemical characterization of *Sida acuta* Burm. f. extracts with respect to its anti-cancer, antioxidant and enzyme inhibitory effects**  
UYSAL Ş., Gevrenova R., Sinan K. I., Bayarslan A. U., Altunoglu Y. C., Zheleva-Dimitrova D., Ak G., Baloglu M. C., Etienne O. K., Lobine D., et al.  
Process Biochemistry, vol.105, pp.91-101, 2021 (SCI-Expanded)
- VII. **Chemical characterization, cytotoxic, antioxidant, antimicrobial, and enzyme inhibitory effects of different extracts from one sage (*Salvia ceratophylla* L.) from Turkey: open a new window on industrial purposes**  
UYSAL Ş., Zengin G., Sinan K. I., Ak G., Ceylan R., Mahomoodally M. F., UYSAL A., Sadeer N. B., Jeko J., Cziaky Z., et al.  
RSC ADVANCES, vol.11, no.10, pp.5295-5310, 2021 (SCI-Expanded)
- VIII. **Network analysis, chemical characterization, antioxidant and enzyme inhibitory effects of foxglove (*Digitalis cariensis* Boiss. ex Jaub. & Spach): A novel raw material for pharmaceutical applications**  
Zengin G., Ceylan R., Sinan K. I., Ak G., UYSAL Ş., Mahomoodally M. F., Lobine D., Aktumsek A., Cziaky Z., Jeko J., et al.  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.191, 2020 (SCI-Expanded)
- IX. **Metabolomics profiling and biological properties of root extracts from two *Asphodelus* species: *A. albus* and *A. aestivus***  
Lazarova I., Zengin G., Sinan K. I., Aneva I., UYSAL Ş., Picot-Allain M. C. N., Aktumsek A., Bouyahya A., Mahomoodally M. F.  
FOOD RESEARCH INTERNATIONAL, vol.134, 2020 (SCI-Expanded)
- X. **Phytochemical Characterization and Biological Evaluation of Powdered Fruits and Leaves from *Elaeagnus angustifolia***  
Carradori S., Cairone F., Garzoli S., Fabrizi G., Iazzetti A., Giusti A. M., Menghini L., UYSAL Ş., Ak G., Zengin G., et al.  
MOLECULES, vol.25, no.9, 2020 (SCI-Expanded)
- XI. **A comparative exploration of the phytochemical profiles and bio-pharmaceutical potential of *Helichrysum stoechas* subsp. *barrelieri* extracts obtained via five extraction techniques**  
Zengin G., Cvetanovic A., Gasic U., Tesic Z., Stupar A., BULUT G., Sinan K. I., UYSAL Ş., Picot-Allain M. C. N., Mahomoodally M. F.  
PROCESS BIOCHEMISTRY, vol.91, pp.113-125, 2020 (SCI-Expanded)
- XII. **Modern and traditional extraction techniques affect chemical composition and bioactivity of *Tanacetum parthenium* (L.) Sch.Bip**  
Zengin G., Cvetanovic A., Gasic U., Stupar A., BULUT G., ŞENKARDEŞ İ., DOĞAN A., Sinan K. I., UYSAL Ş., Aumeeruddy-Elalfi Z., et al.  
INDUSTRIAL CROPS AND PRODUCTS, vol.146, 2020 (SCI-Expanded)
- XIII. ***Tamarindus indica* L. Seed: Optimization of Maceration Extraction Recovery of Tannins**  
Cvetanovic A., UYSAL Ş., Pavlic B., Sinan K. I., Llorent-Martinez E. J., Zengin G.  
FOOD ANALYTICAL METHODS, vol.13, no.3, pp.579-590, 2020 (SCI-Expanded)
- XIV. **In-vitro and in-silico anticancer potential of taxoids from *Taxus wallichiana* Zucc**  
Qayum M., Nisar M., Rauf A., Khan I., Kaleem W. A., Raza M., Karim N., Saleem M. A., Bawazeer S., UYSAL Ş., et al.  
Biologia Futura, vol.70, pp.295-300, 2019 (SCI-Expanded)
- XV. **Optimization of Maceration Conditions for Improving the Extraction of Phenolic Compounds and**

**Antioxidant Effects of *Momordica Charantia* L. Leaves Through Response Surface Methodology (RSM) and Artificial Neural Networks (ANNs)**

UYSAL Ş., Cvetanovic A., Zengin G., Zekovic Z., Mahomoodally M. F., Bera O.

ANALYTICAL LETTERS, vol.52, no.13, pp.2150-2163, 2019 (SCI-Expanded)

- XVI. **Biologically active compounds from two members of the Asteraceae family: *Tragopogon dubius* Scop. and *Tussilago farfara* L.**  
Uysal Ş., ŞENKARDEŞ İ., Mollica A., Zengin G., BULUT G., DOĞAN A., Glamoclija J., Sokovic M., Lobine D., Mahomoodally F. M.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.37, no.12, pp.3269-3281, 2019 (SCI-Expanded)
- XVII. **In vitro antioxidant and enzyme inhibitory properties of *Rubus caesius* L**  
Grochowski D. M., Uysal S., Zengin G., Tomczyk M.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL HEALTH RESEARCH, vol.29, no.3, pp.237-245, 2019 (SCI-Expanded)
- XVIII. **LC-MS, NMR fingerprint of *Potentilla argentea* and *Potentilla recta* extracts and their in vitro biopharmaceutical assessment**  
Sut S., Dall'Acqua S., Uysal S., Zengin G., Aktumsek A., Picot-Allain C., Mahomoodally F.  
INDUSTRIAL CROPS AND PRODUCTS, vol.131, pp.125-133, 2019 (SCI-Expanded)
- XIX. **A comparative study of three drying methods on the phenolic profile and biological activities of *Salvia absconditiflora***  
Uysal S.  
JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, vol.13, no.1, pp.162-168, 2019 (SCI-Expanded)
- XX. **Chemical profile, antioxidant, and enzyme inhibitory properties of two *Scutellaria* species: *S-orientalis* L. and *S-salviifolia* Benth**  
Zengin G., Llorent-Martinez E. J., Molina-Garcia L., Fernandez-de Cordova M. L., Aktumsek A., Uysal S., Rengasamy K. R. R., Aumeeruddy M. Z., Bahadori M. B., Mahomoodally M. F.  
JOURNAL OF PHARMACY AND PHARMACOLOGY, vol.71, no.2, pp.270-280, 2019 (SCI-Expanded)
- XXI. **Chemical profile, antioxidant properties and enzyme inhibitory effects of the root extracts of selected *Potentilla* species**  
Uysal S., Zengin G., Mahomoodally M. F., Yilmaz M. A., Aktumsek A.  
SOUTH AFRICAN JOURNAL OF BOTANY, vol.120, pp.124-128, 2019 (SCI-Expanded)
- XXII. **In vitro tyrosinase inhibitory and antioxidant potential of *Consolida orientalis*, *Onosma isaauricum* and *Spartium junceum* from Turkey**  
Zengin G., Mahomoodally M. F., Picot-Allain C. M. N., Cakmak Y. S., Uysal S., Aktumsek A.  
SOUTH AFRICAN JOURNAL OF BOTANY, vol.120, pp.119-123, 2019 (SCI-Expanded)
- XXIII. **Functional constituents of six wild edible *Silene* species: A focus on their phytochemical profiles and bioactive properties**  
Zengin G., Mahomoodally M. F., Aktumsek A., Ceylan R., Uysal S., Mocan A., Yilmaz M. A., Picot-Allain C. M. N., Ciric A., Glamoclija J., et al.  
FOOD BIOSCIENCE, vol.23, pp.75-82, 2018 (SCI-Expanded)
- XXIV. **Biological, chemical and in silico fingerprints of *Dianthus calocephalus* Boiss.: A novel source for rutin**  
Uysal S., Aktumsek A., Picot-Allain C. M. N., Unuvar H., Mollica A., Georgiev M. I., Zengin G., Mahomoodally M. F.  
FOOD AND CHEMICAL TOXICOLOGY, vol.113, pp.179-186, 2018 (SCI-Expanded)
- XXV. **Insight into the biological properties and phytochemical composition of *Ballota macrodonta* Boiss. et Balansa, - an endemic medicinal plant from Turkey**  
Uysal S., Aumeeruddy-Elalfi Z., Zengin G., Aktumsek A., Mocan A., Custodio L., Neng N. R., Nogueira J. M. F., Ciric A., Glamoclija J., et al.  
INDUSTRIAL CROPS AND PRODUCTS, vol.113, pp.422-428, 2018 (SCI-Expanded)
- XXVI. **In vitro antioxidant, cytotoxicity and chemical profile of different extracts from *Acanthus hirsutus* Boiss used in Anatolian folk medicine**  
Uysal S., Aumeeruddy-Elalfi Z., Zengin G., Aktumsek A., Maskovic P. Z., Vujic J. M., Mahomoodally M. F.

- EUROPEAN JOURNAL OF INTEGRATIVE MEDICINE, vol.17, pp.135-140, 2018 (SCI-Expanded)
- XXVII. **Effects of Orange Leaves Extraction Conditions on Antioxidant and Phenolic Content: Optimization Using Response Surface Methodology**  
Uysal S., Cvetanovic A., Zengin G., Durovic S., Zekovic Z., Aktumsek A.  
ANALYTICAL LETTERS, vol.51, no.10, pp.1505-1519, 2018 (SCI-Expanded)
- XXVIII. **Novel in vitro and in silico insights of the multi-biological activities and chemical composition of *Bidens tripartita* L.**  
Uysal S., Ugurlu A., Zengin G., Baloglu M. C., Altunoglu Y. C., Mollica A., Custodio L., Neng N. R., Nogueira J. M. F., Mahomoodally M. F.  
FOOD AND CHEMICAL TOXICOLOGY, vol.111, pp.525-536, 2018 (SCI-Expanded)
- XXIX. **A comparative in vitro and in silico study of the biological potential and chemical fingerprints of *Dorcycinum pentapyllum* subsp *haussknechtii* using three extraction procedures**  
Uysal S., Aktumsek A., Picot C. M. N., Sahan A., Mollica A., Zengin G., Mahomoodally M. F.  
NEW JOURNAL OF CHEMISTRY, vol.41, no.22, pp.13952-13960, 2017 (SCI-Expanded)
- XXX. **Optimization of the extraction process of antioxidants from loquat leaves using response surface methodology**  
Uysal S., Cvetanovic A., Zengin G., Durovic S., Aktumsek A.  
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.41, no.5, 2017 (SCI-Expanded)
- XXXI. **Evaluation of antioxidant potential, enzyme inhibition activity and phenolic profile of *Lathyrus cicera* and *Lathyrus digitatus*: Potential sources of bioactive compounds for the food industry**  
Llorent-Martinez E. J., Ortega-Barrales P., Zengin G., Mocan A., Simirgiotis M. J., Ceylan R., Uysal S., Aktumsek A.  
FOOD AND CHEMICAL TOXICOLOGY, vol.107, pp.609-619, 2017 (SCI-Expanded)
- XXXII. **In vitro enzyme inhibitory properties, antioxidant activities, and phytochemical profile of *Potentilla thuringiaca***  
Grochowski D. M., Uysal S., Aktumsek A., Granica S., Zengin G., Ceylan R., Locatelli M., Tomczyk M.  
PHYTOCHEMISTRY LETTERS, vol.20, pp.365-372, 2017 (SCI-Expanded)
- XXXIII. **Cytotoxic and Enzyme Inhibitory Potential of Two *Potentilla* species (*P-speciosa* L. and *P-reptans* Willd.) and Their Chemical Composition**  
Uysal S., Zengin G., Locatelli M., Bahadori M. B., Mocan A., Bellagamba G., De Luca E., Mollica A., Aktumsek A.  
FRONTIERS IN PHARMACOLOGY, vol.8, 2017 (SCI-Expanded)
- XXXIV. **Shedding light on the biological and chemical fingerprints of three *Achillea* species (*A-biebersteinii*, *A-millefolium* and *A-teretifolia*)**  
Zengin G., Aktumsek A., Ceylan R., Uysal S., Mocan A., Guler G. O., Mahomoodally M. F., Glamoclija J., Ciric A., Sokovic M.  
FOOD & FUNCTION, vol.8, no.3, pp.1152-1165, 2017 (SCI-Expanded)
- XXXV. **In vivo and in silico sedative-hypnotic like activity of 7-methyljuglone isolated from *Diospyros lotus* L.**  
Rauf A., Uysal S., Ben Hadda T., Uddin G., Nawaz M. A., Khan H., Siddiqui B. S., Raza M., Bawazeer S., Zengin G.  
BIOMEDICINE & PHARMACOTHERAPY, vol.87, pp.678-682, 2017 (SCI-Expanded)
- XXXVI. **Traditionally Used *Lathyrus* Species: Phytochemical Composition, Antioxidant Activity, Enzyme Inhibitory Properties, Cytotoxic Effects, and in silico Studies of *L-czeczottianus* and *L-nissolia***  
Llorent-Martinez E. J., Zengin G., Cordova M. L. F., Bender O., Atalay A., Ceylan R., Mollica A., Mocan A., Uysal S., Guler G. O., et al.  
FRONTIERS IN PHARMACOLOGY, vol.8, pp.1-20, 2017 (SCI-Expanded)
- XXXVII. **Identification of phenolic profiles, fatty acid compositions, antioxidant activities, and enzyme inhibition effects of seven wheat cultivars grown in Turkey: A phytochemical approach for their nutritional value**  
Zengin G., Nithiyantham S., Sarikurkcu C., Uysal S., Ceylan R., Ramya K. S., Maskovic P., Aktumsek A.  
INTERNATIONAL JOURNAL OF FOOD PROPERTIES, vol.20, no.10, pp.2373-2382, 2017 (SCI-Expanded)
- XXXVIII. **Comparative study of biological activities and multicomponent pattern of two wild Turkish species: *Asphodeline anatolica* and *Potentilla speciosa***

- Zengin G., Menghini L., Malatesta L., De Luca E., Bellagamba G., Uysal S., Aktumsek A., Locatelli M.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, pp.203-208, 2016 (SCI-Expanded)
- XXXIX. **Screening of in vitro antioxidant and enzyme inhibitory activities of different extracts from two uninvestigated wild plants: *Centranthus longiflorus* subsp *longiflorus* and *Cerinthe minor* subsp *auriculata***  
Zengin G., Nithiyantham S., Locatelli M., Ceylan R., Uysal S., Aktumsek A., Selvi P. K., Maskovic P.  
EUROPEAN JOURNAL OF INTEGRATIVE MEDICINE, vol.8, no.3, pp.286-292, 2016 (SCI-Expanded)
- XL. **Chemical and biological approaches on nine fruit tree leaves collected from the Mediterranean region of Turkey**  
Uysal S., Zengin G., Aktumsek A., Karatas S.  
JOURNAL OF FUNCTIONAL FOODS, vol.22, pp.518-532, 2016 (SCI-Expanded)
- XLII. **Essential Oil Composition of an Uninvestigated *Centaurea* Species from Turkey: *Centaurea patula* DC.**  
Zengin G., Aktumsek A., Boga M., Ceylan R., Uysal S.  
JOURNAL OF ESSENTIAL OIL BEARING PLANTS, vol.19, no.2, pp.485-491, 2016 (SCI-Expanded)
- XLIII. **Lathyrus aureus and Lathyrus pratensis: characterization of phytochemical profiles by liquid chromatography-mass spectrometry, and evaluation of their enzyme inhibitory and antioxidant activities**  
Llorent-Martinez E. J., Ortega-Barrales P., Zengin G., Uysal S., Ceylan R., Guler G. O., Mocan A., Aktumsek A.  
RSC ADVANCES, vol.6, no.92, pp.88996-89006, 2016 (SCI-Expanded)
- XLIV. **GC-MS analysis and in vitro antioxidant and enzyme inhibitory activities of essential oil from aerial parts of endemic *Thymus spathulifolius* Hausskn. et Velen**  
Ceylan R., Zengin G., Uysal S., Ilhan V., Aktumsek A., KANDEMİR A., Anwar F.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, no.6, pp.983-990, 2016 (SCI-Expanded)
- XLV. **A phytochemical study on *Potentilla anatolica*: An endemic Turkish plant**  
Uysal S., Aktumsek A.  
INDUSTRIAL CROPS AND PRODUCTS, vol.76, pp.1001-1007, 2015 (SCI-Expanded)
- XLVI. **Fatty Acid Composition, Total Sugar Content and Anti-Diabetic Activity of Methanol and Water Extracts of Nine Different Fruit Tree Leaves Collected from Mediterranean Region of Turkey**  
Uysal S., Zengin G., Aktumsek A., Karatas S.  
INTERNATIONAL JOURNAL OF FOOD PROPERTIES, vol.18, no.10, pp.2268-2276, 2015 (SCI-Expanded)
- XLVII. **Phenolic constituent, antioxidative and tyrosinase inhibitory activity of *Ornithogalum narbonense* L. from Turkey: A phytochemical study**  
Zengin G., Uysal S., Ceylan R., Aktumsek A.  
INDUSTRIAL CROPS AND PRODUCTS, vol.70, pp.1-6, 2015 (SCI-Expanded)
- XLVIII. **Composition, antioxidant, antimicrobial and enzyme inhibition activities of two *Origanum vulgare* subspecies (subsp *vulgare* and subsp *hirtum*) essential oils**  
Sarikurkcu C., Zengin G., Oskay M., Uysal S., Ceylan R., Aktumsek A.  
INDUSTRIAL CROPS AND PRODUCTS, vol.70, pp.178-184, 2015 (SCI-Expanded)
- XLIX. **Crepis foetida L. subsp rheadifolia (Bleb.) Celak. as a source of multifunctional agents: Cytotoxic and phytochemical evaluation**  
Zengin G., Sarikurkcu C., Uyar P., Aktumsek A., Uysal S., Kocak M. S., Ceylan R.  
JOURNAL OF FUNCTIONAL FOODS, vol.17, pp.698-708, 2015 (SCI-Expanded)
- L. **Screening of Possible In Vitro Neuroprotective, Skin Care, Antihyperglycemic, and Antioxidative Effects of *Anchusa undulata* L. subsp. *hybrida* (Ten.) Coutinho from Turkey and Its Fatty Acid Profile**  
Sarikurkcu C., Zengin G., Aktumsek A., Ceylan O., Uysal S.  
INTERNATIONAL JOURNAL OF FOOD PROPERTIES, vol.18, no.7, pp.1491-1504, 2015 (SCI-Expanded)
- LI. **A Comparative fatty acid compositional analysis of different wild species of mushrooms from Turkey**  
Zengin G., Sarikurkcu C., Aktumsek A., Uysal S., Ceylan R., Anwar F., Solak M. H.  
EMIRATES JOURNAL OF FOOD AND AGRICULTURE, vol.27, no.7, pp.532-536, 2015 (SCI-Expanded)
- LII. **A comparative study of Bulgarian and Turkish *Asphodeline lutea* root extracts: HPLC-UV profiles, enzyme inhibitory potentials and anti-proliferative activities against MCF-7 and MCF-10A cell lines**

Lazarova I., Zengin G., Bender O., Zheleva-Dimitrova D., Uysal S., Ceylan R., Gevrenova R., Aktumsek A., Acar M., Gunduz M.

JOURNAL OF FUNCTIONAL FOODS, vol.15, pp.254-263, 2015 (SCI-Expanded)

- LII. **Two Ganoderma species: profiling of phenolic compounds by HPLC-DAD, antioxidant, antimicrobial and inhibitory activities on key enzymes linked to diabetes mellitus, Alzheimer's disease and skin disorders**

Zengin G., Sarikurkcu C., Gunes E., Uysal A., Ceylan R., Uysal S., Gungor H., Aktumsek A.

FOOD & FUNCTION, vol.6, no.8, pp.2794-2802, 2015 (SCI-Expanded)

- LIII. **HPLC-DAD analysis of phenolic compounds and antioxidant properties of Asphodeline lutea roots from Bulgaria and Turkey**

Lazarova I., Zengin G., Aktumsek A., Gevrenova R., Ceylan R., Uysal S.

INDUSTRIAL CROPS AND PRODUCTS, vol.61, pp.438-441, 2014 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Assessment of antioxidant and enzyme inhibition properties of Myrtus communis L. leaves**  
Uysal Ş., Sinan K. I., Zengin G.  
INTERNATIONAL JOURNAL OF SECONDARY METABOLITE, vol.10, no.2, pp.166-174, 2023 (Scopus)
- II. **Investigation of antioxidant properties, essential oil, and fatty acid composition of *Onobrychis armena* Boiss. & Huet**  
Karatas S., Aktumsek A., UYSAL Ş.  
ISTANBUL JOURNAL OF PHARMACY, no.2, pp.164-172, 2022 (ESCI)
- III. **Comparative Antioxidant Capacity and Enzyme Inhibitory Effect of Extracts from Prunus avium Leaves**  
Uysal Ş.  
Kastamonu University Journal of Forestry Faculty, vol.20, no.3, pp.234-242, 2020 (ESCI)
- IV. **Phillyrea latifolia L. :Biological Properties Screening of Different Extracts**  
UYSAL Ş.  
Türk Doğa ve Fen Dergisi, vol.9, no.1, pp.74-78, 2020 (Peer-Reviewed Journal)
- V. **In vitro multiple pharmacological targets of Colutea cilicica Boiss. & Balansa against key enzymes linked to neurodegenerative diseases, diabetes, and hyperpigmentation**  
Uysal S., Ceylan R., Aktumsek A., Guler G. O., Picot C., Zengin G., Mahomoodally M. F.  
ISTANBUL JOURNAL OF PHARMACY, vol.48, no.1, pp.18-24, 2018 (ESCI)
- VI. **Natural occurring  $\beta$ -peptides: A fascinating world of bioactive molecules**  
Stefanucci A., UYSAL Ş., Ceylan R., ZENGİN G.  
Current Bioactive Compounds, vol.14, pp.3-8, 2018 (Scopus)
- VII. **Seseli tortuosum'un antioksidan aktivitesi ve yağ asidi kompozisyonu**  
Uysal Ş., Zengin G., Güler G. Ö., Aktümsek A.  
Selçuk Üniversitesi Fen Dergisi, vol.43, no.2, pp.175-188, 2017 (Peer-Reviewed Journal)
- VIII. **Antibacterial, cytotoxicity, and phytotoxicity profiles of three medicinal plants collected from Pakistan**  
Rauf A., Uysal S., Ben Hadda T., Siddiqui B. S., Khan H., Khan M. A., Ijaz M., Mubarak M. S., Bawazeer S., Abu-Izneid T., et al.  
MARMARA PHARMACEUTICAL JOURNAL, vol.21, no.2, pp.261-268, 2017 (ESCI)
- IX. **Enzyme inhibitory effect and antioxidant properties of astragalus lagurus extracts**  
Zengin G., Ceylan R., Guler G. O., Carradori S., Uysal S., Aktumsek A.  
Current Enzyme Inhibition, vol.12, no.2, pp.177-182, 2016 (Scopus)
- X. **Antioxidant properties and enzyme inhibitory effects of extracts from Mandragora autumnalis and its fatty acid composition**  
Uysal S., Zengin G., Aktumsek A.

MARMARA PHARMACEUTICAL JOURNAL, vol.20, no.2, pp.144-151, 2016 (ESCI)

- XI. **Studies on in vitro antioxidant activities of nine different fruit tree leaves collected from Mediterranean region of Turkey**  
UYSAL Ş., ZENGİN G., AKTÜMSEK A.  
Journal of Medicinal Herbs and Ethnomedicine, pp.97-102, 2015 (Peer-Reviewed Journal)
- XII. **Biological activities of three extracts from artedia squamata: A study on antioxidant and enzyme inhibitory potential**  
Zengin G., Ceylan R., Uysal S., Aktumsek A.  
Current Bioactive Compounds, vol.11, no.3, pp.152-155, 2015 (Scopus)
- XIII. **Phytochemical Characterization of an endemic plant used as foodstuff in Turkey: Centaurea urvillei subsp. stepposa and its antioxidant properties**  
UYSAL Ş., Ceylan R., ZENGİN G., AKTÜMSEK A., Zengin N., GÜLER G. Ö., ÇAKMAK Y. S., YILDIZTUGAY E., KARATAŞ Ş.  
International Research Journal of Pharmacy, vol.5, no.8, pp.646-652, 2014 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Autoimmune Diseases, Immune System and Herbal Medicine**  
Ozay C., Uysal Ş., Zengin G.  
in: Herbal Medicine for Autoimmune Diseases, Cennet Ozay, Gokhan Zengin, Editor, Bentham Science Publ, Singapore, pp.1-22, 2024
- II. **Hyoscyamus niger L.**  
Uysal Ş.  
in: Novel Drug Targets With Traditional Herbal Medicines, Fatma Tuğçe Güragaç Dereli, Mert Ilhan, Tarun Belwal, Editor, Springer Nature, Bern, pp.337-345, 2022
- III. **Beslenme İlkelleri**  
AKTÜMSEK A., GÜLER G. Ö., ÇAKMAK Y. S., ZENGİN G., UYSAL Ş.  
Nobel Yayıncılık, 2019
- IV. **A review of phenolic compounds from medicinal plants and nutraceuticals, and their characterization by different antioxidant assays**  
Zengin G., Mocan A., Uysal Ş., Ceylan R., Crişan G., Aktumsek A.  
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- V. **Traditionally Used Centaurea Species in Turkey: EthnoPharmacological Review.**  
Uysal Ş., Ceylan R., Zengin G., Aktümsek A.  
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## Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of drying methods on antioxidant capacity and total bioactive compounds of Pomegranate (Punica granatum L.)**  
Uysal Ş., Efe Arslan D.  
5th International Conference on Natural Products Utilization From Plants to Pharmacy Shelf, Varna, Bulgaria, 30 May - 02 August 2023, pp.270
- II. **Antioxidant potential of two Sideritis species from Turkey: S. lanata L. and S. rubriflora Hub.-Mor.**  
Uysal Ş., Zengin G.  
5th International Conference on Natural Products Utilization From Plants to Pharmacy Shelf, Varna, Bulgaria, 30 May - 02 June 2023, pp.116
- III. **Antioxidant Capacity of Three Silene Extracts Obtained by Ultrasonication-Assisted Extraction (UAE)**

UYSAL Ş.

3rd International conference on Natural Products for Cancer Prevention and Therapy, Kayseri, Turkey, 18 - 20 December 2019

- IV. **Ceterach officinarum: evaluation of enzyme inhibition effect.**  
UYSAL Ş.  
5th International Eurasian Congress on Natural Nutrition, Healthy Life Sport, Ankara, Turkey, 2 - 06 October 2019
- V. **Ceterach officinarum: Enzim inhibisyon etkisinin değerlendirilmesi**  
Uysal Ş.  
5th International Eurasian Congress on Natural Nutrition, Healthy Life & Sport, Ankara, Turkey, 2 - 06 October 2019, pp.2612
- VI. **Stalks and leaves of yarrow as sources of new functional ingredients**  
Cvetanović A., Zengin G., Uysal Ş., Petronijević M., Zeković Z.  
UNIFood Conference, University of Belgrade, 210 th Anniverssary, Belgrade, Serbia And Montenegro, 5 - 06 October 2018, pp.1
- VII. **Emerging approach for the preparation of chamomile functional ingredients**  
Cvetanović A., Pavlič B. P., Ražić S., Arsenijević J., Zengin G., Uysal Ş., Zeković Z.  
UNIFood Conference, University of Belgrade, 210 th Anniverssary, Belgrade, Serbia And Montenegro, 5 - 06 October 2018, pp.1
- VIII. **Anti-diabetic activity of Chamomile (*Chamomilla matricaria* L.) extracts,**  
Cvetanovic A., Zengin G., Uysal Ş., Zekovic Z., Radojkovic M., Petronijevic M.  
The 22 th International Congress Phytopharm, Zürich, Switzerland, 25 - 27 June 2018, pp.117
- IX. **Pancreatic lipase inhibitors from chamomile subcritical water**  
Cvetanovic A., Zengin G., Uysal Ş., Zekovic Z., Radojkovic M., Svarc-Gajic J., Petronijevic M.  
The 22 th International Congress Phytopharm, Zürich, Switzerland, 25 - 27 June 2018, pp.118
- X. **A Comparative Study of Three Drying Methods on The Phenolic Profile and Biological Activities of *Salvia absconditiflora***  
Uysal Ş.  
International Trace Analysis Congress, Sivas, Turkey, 20 - 23 June 2018, pp.53
- XI. **Enzyme Inhibitory Effects of Two *Scutellaria* Species: *S. orientalis* subsp. *orientalis* and *S. salviifolia* extracts**  
Zengin G., Aktümsek A., Uysal Ş.  
International Trace Analysis Congress, Sivas, Turkey, 20 - 23 June 2018, pp.132
- XII. ***Asphodelus aestivus* Köklerinin Farkli Ekstraklarının Anti-Kolinesteraz, Anti-Tirozinaz, Anti-Amilaz, Anti-Glukozidar ve Anti-Lipaz Aktiviteleri**  
Aktümsek A., Zengin G., Uysal Ş.  
I. International Congress on Medicinal and Aromatic Plants: "Natural and Healthy Life", , Konya, Turkey, 10 - 12 May 2017, pp.971
- XIII. ***Asphodelus aestivus* Köklerinin Farkli Ekstraklarının in vitro Antioksidan Aktiviteleri**  
Aktümsek A., Zengin G., Uysal Ş.  
I. International Congress on Medicinal and Aromatic Plants: "Natural and Healthy Life", Konya, Turkey, 10 - 12 May 2017, pp.970
- XIV. **In vitro antioxidant activities of three extracts from *Potentilla reptans* L.**  
Uysal Ş., Zengin G., Aktümsek A.  
International Conference on Biological Sciences, Konya, Turkey, 21 - 23 October 2016, pp.79
- XV. **Antioxidant properties of three extracts from *Potentilla speciosa***  
Uysal Ş., Aktümsek A.  
International Conference on Biological Sciences, Konya, Turkey, 21 - 23 October 2016, pp.287
- XVI. **Optimization of the extraction process of antioxidants from loquat leaves using response surface methodology.**  
Uysal Ş., Cvetanović A., Zengin G., Aktümsek A.  
23th Young Investigators' Seminar on Analytical Chemistry, Novi-Sad, Serbia And Montenegro, 28 June - 01 July



2016, pp.43

- XVII. **Studies on possible in vitro antioxidant activities of nine different fruit tree leaves collected from Mediterranean Region of Turkey.**  
Uysal Ş., Zengin G., Aktümsek A., Karatas Ş.  
The 2nd International Conference on Natural Products Utilization: from Plants to Pharmacy Shelf, Plovdiv, Bulgaria, 14 - 17 October 2015, pp.317
- XVIII. **Seven Asphodeline root extracts: antioxidant properties and inhibitory effects on key enzymes linked to diabetes mellitus, Alzheimer's disease and skin disorders.**  
Zengin G., Locatelli M., Uysal Ş., Ceylan R., Aktümsek A.  
The 2nd International Conference on Natural Products Utilization: from Plants to Pharmacy Shelf, Plovdiv, Bulgaria, 14 - 17 October 2015, pp.340
- XIX. **Antioxidant capacity and enzyme inhibitory effect of Astragalus lagurus**  
Ceylan R., Zengin G., Guler G. O., Uysal Ş., Aktümsek A.  
The 2nd International Conference on Natural Products Utilization: from Plants to Pharmacy Shelf, Plovdiv, Bulgaria, 14 - 17 October 2015, pp.170
- XX. **Screening for antioxidant capacity and inhibitory effect on some pharmaceutical enzyme of Lathyrus aureus (Fabaceae).**  
Ceylan R., Zengin G., Guler G. O., Uysal Ş., Aktümsek A.  
The 2nd International Conference on Natural Products Utilization: from Plants to Pharmacy Shelf, Plovdiv, Bulgaria, 14 - 17 October 2015, pp.1
- XXI. **Phytochemical composition, antioxidant capacity, enzyme inhibitory activity of three extracts from Potentilla argentea.**  
Uysal Ş., Aktümsek A.  
The 2nd International Conference on Natural Products Utilization: from Plants to Pharmacy Shelf, Plovdiv, Bulgaria, 14 - 17 October 2015, pp.316
- XXII. **. Fatty acid composition, total sugar content and anti-diabetic activity of methanol and water extracts of nine different fruit tree leaves collected from Mediterranean Region of Turkey**  
Uysal Ş., Zengin G., Aktümsek A., Karatas Ş.  
International Science Index, Dubai, United Arab Emirates, 25 - 26 November 2014, pp.932
- XXIII. **Esansiyel Yağ Asitleri İçin Yeni Bir Kaynak: Seseli toruosum**  
Uysal Ş., Güler G. Ö., Zengin G., Aktümsek A.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.658
- XXIV. **Centaurea patula (Asteraceae)'nın GC-MS Tekniği ile Uçucu Yağ Bileşiminin Araştırılması**  
Zengin G., Aktümsek A., Uysal Ş., Ceylan R.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.735
- XXV. **Bulgaristan ve Türkiye Orjinli Asphodeline lutea (L.) Reichb. Köklerinin xCELLigence Gerçek Zamanlı Hücre Analiz Sistemi Kullanılarak MCF-7 Meme Kanseri Hücre Hatları Üzerine Antifroliferatif Etkilerinin Gözlemlenmesi**  
Bender O., Zengin G., Lazarova I., Ceylan R., Uysal Ş., Aktümsek A., Gevrenova R.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.1230
- XXVI. **Antioxidant properties of Centaurea urvillei DC. subsp. stepposa Wagenitz**  
Güler G. Ö., Zengin G., Aktümsek A., Çakmak Y. S., Yıldıztuğay E., Uysal Ş.  
11th International Ethnobotany Symposio, Antalya, Turkey, 2 - 05 November 2013, pp.43

## Supported Projects

AYCAN M. B., DEMİRPOLAT E., DAYAN S., UYSAL Ş., KEMERLİ M. Z., Project Supported by Higher Education Institutions, Biyolojik materyallerin farmakolojik ve toksikolojik analizi, 2019 - 2023  
UYSAL Ş., Project Supported by Higher Education Institutions, Tribulus terrestris'den elde edilen farklı ekstraktların antioksidan özelliklerinin incelenmesi, 2021 - 2022

## **Activities in Scientific Journals**

FRONTIERS IN PHARMACOLOGY, Editor, 2022 - Continues

## **Metrics**

Publication: 98

Citation (WoS): 1881

Citation (Scopus): 2025

H-Index (WoS): 21

H-Index (Scopus): 22

## **Congress and Symposium Activities**

3rd International conference on Natural Products for Cancer Prevention and Therapy, Attendee, Kayseri, Turkey, 2019

5th International Eurasian Congress on Natural Nutrition, Healthy Life & Sport, Attendee, Ankara, Turkey, 2019

International Trace Analysis Congress, Attendee, Sivas, Turkey, 2018

I. International Congress on Medicinal and Aromatic Plants: "Natural and Healthy Life", , Attendee, Konya, Turkey, 2017

International Conference on Biological Sciences, Attendee, Konya, Turkey, 2016

The 2nd International Conference on Natural Products Utilization: from Plants to Pharmacy Shelf, Attendee, Plovdiv, Bulgaria, 2015

22. Ulusal Biyoloji Kongresi, Attendee, Eskişehir, Turkey, 2014