

# ARAHISAR BILIMERI UNIVERSITESI CURRICULUM VITAE AND PUBLICATIONS LIST



## **CURRICULUM VITAE**

Name and Surname:	Cengiz SARIKÜRKCÜ
Academic Title:	Professor Dr.
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Foreign Languages Known (Score and Year):	English, B2 Upper Intermediate, 2012

Degree	Department/Program	University	Year
Doctorate	KİMYA (DR)	Manisa Celal Bayar University	2010
Master's Degree	KİMYA (YL) (TEZLİ)	Muğla Sıtkı Koçman University	2004
Bachelor's Degree	KİMYA BÖLÜMÜ	Atatürk University	1997

Master's Thesis Title (abstract attached) and Thesis Supervisor(s):

Marrubium globosum montbret and Aucher ex Bentham subsp. globosum bitkisinin uçucu yağ bileşenmerinin karakterizasyonu ve bazı Marribium türlerinin antioksidant aktivitelerinin belirlenmesi

Doctoral Thesis/Proficiency Study/Medical Specialization Thesis Title (abstract attached) and Supervisor(s):

Yaygın olarak yetişen bazı orman bitkilerinin (Alkanna tinctoria (L.) Tausch subsp. tinctoria, Thymus longicaulis C. Presl subsp. longicaulis var. longicaulis ve Phlomis bourgaei Boiss.) kimyasal içerik bazında total karakterizasyonu

Position Title	Workplace	Year
Professor Dr.	Afyonkarahisar Health Sciences University	2020-Continues
Associate Professor	Afyonkarahisar Health Sciences University	2019-2020
Associate Professor	Süleyman Demirel University	2013-2019
Assistant Professor	Süleyman Demirel University	2013-2013
Assistant Professor		2012-2013
Research Assistant	Muğla Sıtkı Koçman University	2002-2012
Research Assistant		1999-2002
Expert		1999-2000
Research Assistant	Kafkas University	1999-1999

Supervised Master's Theses:

1. Astragalus stella türünün fitokimyasal analizi üzerine farklı özütleme tekniklerinin etkisinin araştırılması (2025)

Roles in Projects:

Solunum Yolu EnfeksiyonlarınaKarşı Doğal Bir Koruyucu Aday: Salvia cedronella Türünün Biyoaktif Bileşenleri ve SağlıkÜzerindeki Potansiyel Etkileri (2025 - Continues)

Stachys aleurites Bitkisinin Fitokimyasal Analizi (2025 - Continues)

Bellis annua bitkisinin fitokimyasal açıdan değerlendirilmesi (2025 - Continues)

İndüklenmiş Hücresel Yaşlanmaya Karşı Campanula tomentosa Özütündeki Ana Bileşenlerin Yapı Tabanlı İlaç Tasarımı

Yaklaşımıyla Değerlendirilmesi (2025 - Continues)

Stachys bombycina: Fitokimyasal bir çalışma (2025 - 2027)

Stachys antalyensis Türünün Biyolojik Aktivitesi& (2025 - 2027)

Sideritis montana subsp. montana: Fitokimyasal bir araştırma (2024 - 2026)

Stachys chasmosericea Bitkisinin Fitokimyasal Açıdan Değerlendirilmesi (2024 - 2026)

Hozan Çiçeği Bitkisinin Antioksidan Kapasitesinin Belirlenmesi (2024 - 2026)

Onosma obtusifolia Bitkisinin Antioksidan ve Enzim İnhibisyon Aktivitelerinin Belirlenmesi (2025 - 2025)

Curcumin Yüklenmiş Nanogözenekli Camların Ehrlich Ascites Tümör Modeli Üzerinde İn vivo ve İn vitro Olarak Etkilerinin İncelenmesi (2022 - 2025)

İnsan dermal fibroblast hücrelerinde indüklenmiş yaşlanmaya karşı Salvia cadmica'nın kullanılabilme potansiyelinin değerlendirilmesi ve yapı-tabanlı ilaç tasarımı çalışmaları (2024 - 2025)

Ergotionin İçeren Doğal İçerikli Yaşlanma Karşıtı Serum Geliştirilmesi (2023 - 2025)

Chenopodium botrys tohumlarının antioksidan potansiyelinin belirlenmesi (2023 - 2024)

Digitalis cariensis bitkisi çözücü özütlerinin antioksidan ve enzim inhibisyon potansiyellerinin belirlenmesi (2023 - 2024)

Papatya (Anthemis chia) çiçeklerinin antioksidan aktivitesinin belirlenmesi (2024 - 2024)

Campanula iconia Bitkisi Üzerine Fitokimyasal Bir Araştırma (2023 - 2024)

Salvia pisidica Bitkisi Özütlerinin LC-MS/MS Analizleri ve Biyolojik Aktivitelerinin Tespit Edilmesi (2024 - 2024)

Salvia pisidica Bitkisi Özütlerinin LC-MS/MS Analizleri ve Biyolojik Aktivitelerinin Tespit Edilmesi (2024 - 2024)

Onosma taurica var. brevifolia Bitkisinin Farklı Özütleme Teknikleriyle Elde Edilen Metanol Özütlerinin Biyolojik Aktivitelerinin Araştırılması (2023 - 2024)

Kaya Andızı (Inula heterolepis) Bitkisi Özütlerinin Radikal Süpürüm ve İndirgeme Gücü Potansiyellerinin Belirlenmesi (2023 - 2023)

Farklı Yörelerden Temin Edilen Allium sativum Örneklerinin Biyolojik Aktivitelerinin Karşılaştırılması (2023 - 2023)

Farklı Yörelerden Temin Edilen Allium sativum Örneklerinin Biyolojik Aktivitelerinin Karşılaştırılması (2023 - 2023)

Dianthus calocephalus bitkisi çözücü özütlerinin biyolojik aktivitelerinin belirlenmesi (2023 - 2023)

Plantago coronopus subsp. commutata bitkisinin biyolojik aktivitelerinin ve kimyasal içeriğinin belirlenmesi (2022 - 2023)

Onosma rostellatum: Farklı Özütleme Teknikleriyle Elde Edilen Metanol Özütlerinin Fitokimyasal Analizi (2022 - 2023)

Yenilebilir Bazı Mantar Örneklerinin Antioksidan Aktivitelerinin Belirlenmesi (2022 - 2023)

## Administrative Duties:

Dean - Afyonkarahisar Health Sciences University (2022 - Continues)

Head of Main Science/Science Department - Afyonkarahisar Health Sciences University (2019 - Continues)

Head of Department - Afyonkarahisar Health Sciences University (2019 - Continues)

Head of Department - Süleyman Demirel University (2013 - 2015)

Vice Dean - Süleyman Demirel University (2013 - 2015)

Head of Main Science/Science Department - Süleyman Demirel University (2013 - 2015)

#### Awards:

2013 YILI FEN BİLİMLERİ TEZ ÖDÜLÜ (2013)

Fakülte Birinciliği (1997)

## **PUBLICATIONS**

## A. Articles published in international peer-reviewed journals:

- A1. "Extraction Technique Impacts on Phenolic Profile, Antioxidant Capacity, and Enzyme Inhibition by Anthemis pseudocotula", ChemistrySelect, 2025.
- A2. "In Vitro and In Silico Evaluation of Sideritis pisidica: Insights into Biological Potential in Melanoma Cancer Cells", ChemistrySelect, 2025.
- A3. "Targeted Phenolic Profiling, Antioxidant Activities, and Enzyme Inhibition Potential of Campanula lyrata subsp. lyrata Extracts With Molecular Docking Insights", Journal of Food Science, 2025.
- A4. "Delving into the enzyme inhibitory and antioxidant potential of Clinopodium vulgare subsp. arundanum: an untapped botanical resource", Chemical Papers, 2025.
- A5. "Fabrication of the Plant Extract Loaded Antimicrobial Nanofiber for Biofilm Associated Infections", ChemistrySelect, 2025.
- A6. "Chemical Composition, Antioxidant, and Enzyme Inhibitory Activities of Onosma bulbotrichum Extracts", CHEMISTRYSELECT, 2025.
- A7. "Investigation of the chemical composition, antioxidant, and enzyme inhibitory activities of Ononis natrix subsp. natrix, performance of in silico analyses of its major compounds", Journal of Molecular Structure, 2025.
- A8. "Unveiling the Phytochemical Diversity and Bioactivity of Astragalus melanophrurius: A First Report Integrating Experimental and In Silico Approaches", Pharmaceuticals, 2025.
- A9. "Phytochemical and Biological Investigations of Crude Extracts of Astragalus pisidicus", Pharmaceuticals, 2025.
- A10. "Phytochemical profiling and molecular docking analysis of Micromeria aybalae essential oil: In vitro and in silico evaluations", Journal of Essential Oil Bearing Plants, 2025.
- A11. "Phytochemical diversity and bioactivity insights: A first report on antioxidant and enzyme inhibition potential of Plantago coronopus subsp. commutata extracts", Food Bioscience, 2025.
- A12. "Exploring the Anticancer, Anti-Inflammatory, and Antibiofilm Efficacy of Endemic Stachys longiflora: Insights into the Phytochemical Composition", ChemistryOpen, 2025.
- A13. "Ultrasound-assisted extraction of Stachys chasmosericea: phytochemical profile, antioxidant potentials via RACI analysis, and enzyme inhibitory activities", Preparative Biochemistry and Biotechnology, 2025.
- A14. "Enzyme inhibitory and bioactive potential of ultrasound-assisted water extract from Sideritis montana subsp. montana: phytochemical profiling and implications for therapeutic applications", Preparative Biochemistry and Biotechnology, 2025.
- A15. "Phytochemical analysis and in vitro anti-inflammatory, anticancer activities of Marrubium lutescens on melanoma cancer cell line and molecular docking studies", Journal of Herbal Medicine, 2024.
- A16. "Onosma demirizii: Chemical composition, antioxidant and enzyme inhibitory activity", ChemistrySelect, 2024.
- A17. "Phenolic Compound Profiles, Cytotoxic, Antioxidant, Antimicrobial Potentials and Molecular Docking Studies of Astragalus gymnolobus Methanolic Extracts", Plants, 2024.
- A18. "Exploring the Pharmacological Potential of Onosma riedliana: Phenolic Compounds and Their Biological Activities", Plant Foods for Human Nutrition, 2024.
- A19. "Comparative docking and molecular dynamics studies of molnupiravir (EIDD-2801): implications for novel mechanisms of action on influenza and SARS-CoV-2 protein targets", Journal of Biomolecular Structure and Dynamics, 2024.
- A20. "Phytochemical Analysis and Biological Evaluation of Two Endemic Onosma Species (Onosma cappadocica and O. rutilum)", Biointerface Research in Applied Chemistry, 2023.
- A21. "Two Onosma Species (Onosma microcarpum and O. nana) as an Alternative Source of Multifunctional Agents: Biological and Phytochemical Evaluation", Biointerface Research in Applied Chemistry, 2023.
- A22. "Nutraceutical assessment of conventional leafy vegetables of South India", South African Journal of Botany, 2023.
- A23. "Phytochemical Analysis, Antioxidant, and Antimicrobial Activities of Ducrosia flabellifolia: A Combined Experimental and Computational Approaches", Antioxidants, 2022.
- A24. "Wild mushrooms from Ilgaz Mountain National Park (Western Black Sea, Turkey): element concentrations and their health risk assessment", Environmental Science and Pollution Research, 2022.
- A25. "Can Acanthus spinosus be used as an alternative antioxidant and enzyme inhibitory agent?", South African Journal of Botany, 2022
- A26. "Bioactive constituents, antioxidant effects and enzyme inhibitory properties of two Onosma species (Onosma trapezuntea and O. rigidum)", South African Journal of Botany, 2022.
- A27. "Liquid Chromatography-Electrospray Ionization Tandem Mass Spectrometry (LC-ESI-MS/MS) Identification of Phytochemicals and the Effects of Solvents on Phenolic Constituents, Antioxidant Capacity, Skin-Whitening and anti-Diabetic Activity of Onosma mitis", Analytical Letters, 2022.
- A28. "Minerals, phenolics, and biological activity of wild edible mushroom, Morchella steppicola Zerova", Natural Product Research, 2022.
- A29. "Onosma inexspectata and Onosma armenum as Novel Sources of Phytochemicals with Determination by High-Performance Liquid Chromatography–Mass Spectrometry (HPLC-MS/MS) with Evaluation of the Antioxidant and Enzyme Inhibitory Capacities", Analytical Letters, 2022.

- A30. "In silico analysis of the interactions of certain flavonoids with the receptor-binding domain of 2019 novel coronavirus and cellular proteases and their pharmacokinetic properties", Journal of Biomolecular Structure and Dynamics, 2022.
- A31. "Understanding the molecular interaction of SARS-CoV-2 spike mutants with ACE2 (angiotensin converting enzyme 2)", Journal of Biomolecular Structure and Dynamics, 2022.
- A32. "Sophora alopecuroides var. alopecuroides: Phytochemical composition, antioxidant and enzyme inhibitory activity of the methanolic extract of aerial parts, flowers, leaves, roots, and stems", South African Journal of Botany, 2021.
- A33. "Chromatographic profile and antioxidant and enzyme inhibitory activity of Sideritis leptoclada: An endemic plant from Turkey", South African Journal of Botany, 2021.
- A34. "Stachys germanica subsp. heldreichii (Boiss.) Hayek: Phytochemical analysis, antioxidant and enzyme inhibitory activities", South African Journal of Botany, 2021.
- A35. "Onosma gracilis (Trautv.) and O. oreodoxa (Boiss. & Heldr.): Phytochemistry, in silico docking, antioxidant and enzyme inhibitory activities", South African Journal of Botany, 2021.
- A36. "Element concentration, daily intake of elements, and health risk indices of wild mushrooms collected from Belgrad Forest and Ilgaz Mountain National Park (Turkey)", Environmental Science and Pollution Research, 2021.
- A37. "Cytotoxic and genotoxic evaluation of copper oxychloride through Allium test and molecular docking studies", Environmental Science and Pollution Research, 2021.
- A38. "Nutraceutical extracts from some endemic Onosma (O. circinnata, O. bornmuelleri, and O. angustissima) species: LC–ESI–MS/MS–based polyphenol profile, antioxidant and enzyme inhibition activities", Journal of Food Processing and Preservation, 2021.
- A39. "Phytochemical composition, antioxidant, and enzyme inhibition activities of methanolic extracts of two endemic onosma species", Plants, 2021.
- A40. "Metal concentrations of wild mushroom species collected from Belgrad forest (Istanbul, Turkey) with their health risk assessments", Environmental Science and Pollution Research, 2021.
- A41. "Lc-ms/ms profiles and in vitro biological activities of extracts of an endemic species from turkey: Stachys cretica ssp. anatolica", Plants, 2021.
- A42. "Phenolic composition and biological activities of Turkish endemic plant: Stachys cretica subsp. kutahyensis", South African Journal of Botany, 2021.
- A43. "Comparison of methanolic extracts of Doronicum orientale and Echium angustifolium in terms of chemical composition and antioxidant activities", Biocatalysis and Agricultural Biotechnology, 2021.
- A44. "Evaluation of the metal concentrations of wild mushroom species with their health risk assessments", Environmental Science and Pollution Research, 2021.
- A45. "Campanula macrostachya: biological activity and identification of phenolics using a liquid chromatography electrospray ionization tandem mass spectrometry system", Environmental Science and Pollution Research, 2021.
- A46. "Metal concentration and health risk assessment of eight Russula mushrooms collected from Kizilcahamam-Ankara, Turkey", Environmental Science and Pollution Research, 2021.
- A47. "Onosma polyantha vs. Onosma mollis: Analysis of Phenolic Compounds Using Liquid Chromatography–Electrospray Ionization Tandem Mass Spectrometry (LC-ESI-MS/MS) and Assessment of the Antioxidant Activity", Analytical Letters, 2021.
- A48. "Determination of the interaction between the receptor binding domain of 2019-ncov spike protein, tmprss2, cathepsin b and cathepsin l, and glycosidic and aglycon forms of some flavonols", TURKISH JOURNAL OF BIOLOGY, 2021.
- A49. "Onosma pulchra: Phytochemical composition, antioxidant, skin-whitening and anti-diabetic activity", Industrial Crops and Products, 2020.
- A50. "Onosma ambigens: Phytochemical composition, antioxidant and enzyme inhibitory activity", Industrial Crops and Products, 2020.
- A51. "Two endemic Onosma species (O. sieheana and O. stenoloba): A comparative study including docking data on biological activity and phenolic composition", Industrial Crops and Products, 2020.
- A52. "Onosma aucheriana, O. frutescens, and O. sericea: Phytochemical profiling and biological activity", Industrial Crops and Products, 2020.
- A53. "LC-MS/MS profiles and interrelationships between the enzyme inhibition activity, total phenolic content and antioxidant potential of Micromeria nervosa extracts", Food Chemistry, 2020.
- A54. "Anthemis chia: Biological capacity and phytochemistry", Industrial Crops and Products, 2020.
- A55. "Metal concentration and health risk assessment of fifteen wild mushrooms collected from the Ankara University Campus (Turkey)", Environmental Science and Pollution Research, 2020.
- A56. "Comparison of the Influence of the Solvent on the Extraction of the Bioactive Compounds from Marrubium lutescens Using Liquid Chromatography–Electrospray Ionization Tandem Mass Spectrometry (LC-ESI-MS/MS)/title", Analytical Letters, 2020.
- A57. "Bioactive compounds profile, enzyme inhibitory and antioxidant activities of water extracts from five selected medicinal plants", Industrial Crops and Products, 2020.
- A58. "Astragalus gymnolobus, A. leporinus var. hirsutus, and A. onobrychis: Phytochemical analysis and biological activity", Industrial Crops and Products, 2020.

- A59. "Polyphenol Profile and Biological Activity Comparisons of Different Parts of Astragalus macrocephalus subsp. finitimus from Turkey", Biology-Basel, 2020.
- A60. "Metal concentration and health risk assessment of wild mushrooms collected from the Black Sea region of Turkey", Environmental Science and Pollution Research, 2020.
- A61. "Valeriana dioscoridis aerial parts'xx extracts A new source of phytochemicals with antioxidant and enzyme inhibitory activities", Industrial Crops and Products, 2020.
- A62. "Plantago lanceolata as a source of health-beneficial phytochemicals: Phenolics profile and antioxidant capacity", Food Bioscience, 2020.
- A63. "Enzyme and biological activities of the water extracts from the plants aesculus hippocastanum, olea europaea and hypericum perforatum that are used as folk remedies in Turkey", MOLECULES, 2020.
- A64. "Wild edible mushrooms from Mediterranean region: Metal concentrations and health risk assessment", Ecotoxicology and Environmental Safety, 2020.
- A65. "Chemical composition and antioxidant activity of Phlomis leucophracta, an endemic species from Turkey", NATURAL PRODUCT RESEARCH, 2020.
- A66. "Micromeria myrtifolia: The influence of the extracting solvents on phenolic composition and biological activity", Industrial Crops and Products, 2020.
- A67. "Phenolic Profile and Bioactivities of Sideritis perfoliata L.: The Plant, Its Most Active Extract, and Its Broad Biological Properties", Frontiers in Pharmacology, 2020.
- A68. "Ganoderma carnosum and Ganoderma pfeifferi: Metal concentration, phenolic content, and biological activity", Mycologia, 2020.
- A69. "Interaction of certain monoterpenoid hydrocarbons with the receptor binding domain of 2019 novel coronavirus (2019-NCOV), transmembrane serine protease 2 (TMPRSS2), cathepsin B, and cathepsin l (CATB/l) and their pharmacokinetic properties", TURKISH JOURNAL OF BIOLOGY, 2020.
- A70. "A comparative study on the phenolic composition, antioxidant and enzyme inhibition activities of two endemic Onosma species", Industrial Crops and Products, 2019.
- A71. "Study on the chemical composition, Enzyme inhibition and antioxidant activity of Ziziphora taurica subsp. cleonioides", Applied Sciences-Basel, 2019.
- A72. "Biological activities and phytochemical composition of organs from Loranthus europaeus", Industrial Crops and Products, 2019
- A73. "LC-ESI-MS/MS characterization of phytochemical and enzyme inhibitory effects of different solvent extract of Symphytum anatolicum", Industrial Crops and Products, 2019.
- A74. "Metal concentration, phenolics profiling, and antioxidant activity of two wild edible Melanoleuca mushrooms (M. cognata and M. stridula)", Microchemical Journal, 2019.
- A75. "Composition, and antioxidant and enzyme-inhibition activities, of essential oils from Satureja thymbra and Thymbra spicata var. spicata", Flavour and Fragrance Journal, 2019.
- A76. "Ziziphora taurica subsp. Taurica: Analytical characterization and biological activities", Biomolecules, 2019.
- A77. "Datura innoxia and Dipsacus laciniatus: Biological activity and phenolic composition", Biocatalysis and Agricultural Biotechnology, 2019.
- A78. "Metabolite profiling and health benefits of Stachys cretica subsp. mersinaea as a medicinal food", Industrial Crops and Products, 2019.
- A79. "Calamintha incana: Essential oil composition and biological activity", Industrial Crops and Products, 2019.
- A80. "LC-ESI-MS/MS characterization, antioxidant power and inhibitory effects on  $\alpha$ -amylase and tyrosinase of bioactive compounds from hulls of Amygdalus communis: The influence of the extracting solvents", Industrial Crops and Products, 2019.
- A81. "Phenolic profile, enzyme inhibitory and antioxidant activities of two endemic Nepeta species: Nepeta nuda subsp. glandulifera and N. cadmea", South African Journal of Botany, 2019.
- A82. "Micromeria myrtifolia: Essential oil composition and biological activity", Natural Product Communications, 2019.
- A83. "Antioxidant potential and phenolic composition of extracts from Stachys tmolea: An endemic plant from Turkey", Industrial Crops and Products, 2019.
- A84. "Phenolic profile, antioxidant and enzyme inhibitory potential of methanolic extracts from different parts of Astragalus ponticus Pall.", South African Journal of Botany, 2019.
- A85. "Phenolic ingredients and therapeutic potential of Stachys cretica subsp. smyrnaea for the management of oxidative stress, Alzheimer's disease, hyperglycemia, and melasma", Industrial Crops and Products, 2019.
- A86. "Chemical composition and biological activities of the essential oils of two endemic Nepeta species", Industrial Crops and Products, 2018.
- A87. "Phenolic profile, antioxidant and enzyme inhibitory potential of Onosma tauricum var. tauricum", Industrial Crops and Products, 2018.

- A88. "Essential oil composition and antioxidant activity of endemic Marrubium parviflorum subsp. oligodon", Industrial Crops and Products, 2018.
- A89. "Is it possible to use the stalks of Gossypium hirsitum L., an important by-product of cotton cultivation, as an alternative source of bioactive components?", European Food Research and Technology, 2018.
- A90. "Chemical characterization and biological activity of Onosma gigantea extracts", Industrial Crops and Products, 2018.
- A91. "Can the stalks of Papaver somniferum L. be an alternative source of bioactive components?", Industrial Crops and Products, 2018.
- A92. "Determination of antioxidant activities of solvent extracts from an endemic plant: Phlomis leucophracta", Marmara Pharmaceutical Journal, 2018.
- A93. "Onosma heterophyllum: Phenolic composition, enzyme inhibitory and antioxidant activities", Industrial Crops and Products, 2018.
- A94. "A comprehensive study on chemical composition, antioxidant and enzyme inhibition activities of the essential oils of Chenopodium botrys collected from three different parts of Turkey", Industrial Crops and Products, 2017.
- A95. "Phenolic profile, antioxidant and enzyme inhibitory activities of Stachys annua subsp. annua var. annua", South African Journal of Botany, 2017.
- A96. "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", International Journal of Food Properties, 2017.
- A97. "Functional components, antidiabetic, anti-Alzheimer's disease, and antioxidant activities of Salvia syriaca L.", International Journal of Food Properties, 2017.
- A98. "Fatty acid composition, enzyme inhibitory, and antioxidant activities of the ethanol extracts of selected wild edible plants consumed as vegetables in the Aegean region of Turkey", International Journal of Food Properties, 2017.
- A99. "Salvia nemorosa L.: A novel source of bioactive agents with functional connections", LWT Food Science and Technology, 2017.
- A100. "Antioxidant and enzyme inhibitory activities of extracts from wild mushroom species from Turkey", International Journal of Medicinal Mushrooms, 2017.
- A101. "Phenolic composition, enzyme inhibitory, and antioxidant activity of Bituminaria bituminosa", Food Science and Biotechnology, 2016.
- A102. "Potential sources for the management global health problems and oxidative stress: Stachys byzantina and S. iberica subsp. iberica var. densipilosa", European Journal of Integrative Medicine, 2016.
- A103. "Salvia cadmica: Phenolic composition and biological activity", Industrial Crops and Products, 2016.
- A104. "Biological and phytochemical evaluation: Pseudevernia furfuracea as an alternative multifunctional agent", Journal of Functional Foods, 2016.
- A105. "Chemical composition, antioxidant, and enzyme inhibitory activities of the essential oils of three Phlomis species as well as their fatty acid compositions", Food Science and Biotechnology, 2016.
- A106. "Barbiturate bearing aroylhydrazine derivatives: Synthesis, NMR investigations, single crystal X-ray studies and biological activity", Journal of Molecular Structure, 2016.
- A107. "Antioxidant Potential and Inhibition of Key Enzymes Linked to Alzheimer's Diseases and Diabetes Mellitus by Monoterpene Rich Essential Oil from Sideritis galatica Bornm Endemic to Turkey", Records of Natural Products, 2016.
- A108. "A significant by-product of the industrial processing of pistachios: Shell skin RP-HPLC analysis, and antioxidant and enzyme inhibitory activities of the methanol extracts of Pistacia vera L. shell skins cultivated in Gaziantep, Turkey", RSC Advances, 2016.
- A109. "Phenolic content, antioxidant and enzyme inhibitory capacity of two: Trametes species", RSC Advances, 2016.
- A110. "New Prospective Materials for Chemoprevention: Three Phlomis", British Journal of Pharmaceutical Research, 2016.
- A111. "Phenolic composition, antioxidant and enzyme inhibitory activities of ethanol and water extracts of: Chenopodium botrys", RSC Advances, 2016.
- A112. "Ajuga chamaecistus subsp scoparia (Boiss.) Rech.f.: A new source of phytochemicals for antidiabetic, skin-care, and neuroprotective uses", Industrial Crops and Products, 2016.
- A113. "Phlomis armeniaca: Phenolic compounds, enzyme inhibitory and antioxidant activities", Industrial Crops and Products, 2015.
- A114. "An alternative antioxidative and enzyme inhibitory agent from Turkey: Robinia pseudoacacia L.", Industrial Crops and Products, 2015.
- A115. "Phenolic composition, antioxidant and enzyme inhibitory activities of acetone, methanol and water extracts of Clinopodium vulgare L. subsp. vulgare L.", Industrial Crops and Products, 2015.
- A116. "Biological activity and phytochemistry of firethorn (Pyracantha coccinea M.J. Roemer)", Journal of Functional Foods, 2015.
- A117. "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", Food & Function, 2015.
- A118. "Crepis foetida L. subsp. rhoeadifolia (Bieb.) Celak. as a source of multifunctional agents: Cytotoxic and phytochemical evaluation", Journal of Functional Foods, 2015.

- A119. "Composition, antioxidant, antimicrobial and enzyme inhibition activities of two Origanum vulgare subspecies (subsp. vulgare and subsp. hirtum) essential oils", Industrial Crops and Products, 2015.
- A120. "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", International Journal of Food Properties, 2015.
- A121. "Metal concentration and antioxidant activity of edible mushrooms from Turkey", Food Chemistry, 2015.
- A122. "Antioxidant and DNA damage protection potentials of selected phenolic acids", Food and Chemical Toxicology, 2015.
- A123. "A Comparative fatty acid compositional analysis of different wild species of mushrooms from Turkey", Emirates Journal of Food and Agriculture, 2015.
- A124. "Phenolic content, enzyme inhibitory and antioxidative activity potentials of Phlomis nissolii and P. pungens var. pungens", Industrial Crops and Products, 2014.
- A125. "A comprehensive study on phytochemical characterization of Haplophyllum myrtifolium Boiss. endemic to Turkey and its inhibitory potential against key enzymes involved in Alzheimer, skin diseases and type II diabetes", Industrial Crops and Products, 2014.
- A126. "Evaluation of Antioxidant Activities of Essential Oils and Methanol Extracts of Pinus Species", Journal of Essential Oil Bearing Plants, 2014.
- A127. "Sideritis galatica Bornm.: A source of multifunctional agents for the management of oxidative damage, Alzheimer's's and diabetes mellitus", Journal of Functional Foods, 2014.
- A128. "Reversibility in the adiabatic temperature-change of Pr 0.73Pb0.27MnO3", Journal of Alloys and Compounds, 2013.
- A129. "GC/MS evaluation and in vitro antioxidant activity of essential oil and solvent extracts of an endemic plant used as folk remedy in Turkey: Phlomis bourgaei boiss.", Evidence-Based Complementary and Alternative Medicine, 2013.
- A130. "Synthesis, characterization and antioxidant activity of new dibasic tridentate ligands: X-ray crystal structures of DMSO adducts of 1,3-dimethyl-5-acetyl-barbituric acid o-hydroxybenzoyl hydrazone copper(II) complex", Inorganic Chemistry Communications, 2013.
- A131. "Screening of the antioxidant activity of the essential oil and methanol extract of mentha pulegium L. from Turkey", Spectroscopy Letters, 2012.
- A132. "Metal Concentrations of Wild Edible Mushrooms from Turkey", Ecology of Food and Nutrition, 2012.
- A133. "Reactivity of cyclic sulfamidates towards lithium acetylides: Synthesis of alkynylated amines", Tetrahedron Letters, 2011.
- A134. "Metal concentration of wild edible mushrooms in Soguksu National Park in Turkey", Food Chemistry, 2011.
- A135. "Effect of high temperature sintering on the structural and the magnetic properties of La1.4Ca1.6Mn2O7", Journal of Alloys and Compounds, 2011.
- A136. "Screening of the antioxidant antimicrobial and DNA damage protection potentials of the aqueous extract of Asplenium ceterach DC", AFRICAN JOURNAL OF BIOTECHNOLOGY, 2011.
- A137. "Antioxidant activities of solvent extracts from endemic Cyclamen mirabile Hildebr tubers and leaves", African Journal of Biotechnology, 2011.
- A138. "Chemical Composition Radical Scavenging and Antimicrobial Activity of the Essential Oils of Thymus boveii and Thymus hyemalis", RECORDS OF NATURAL PRODUCTS, 2011.
- A139. "Determination of chemical profile, antioxidant, DNA damage protection and antiamoebic activities of Teucrium polium and Stachys iberica", Fitoterapia, 2011.
- A140. "Morphological Analyses of Hg1 xHoxBa2Ca2Cu3O8 y 0 0 X 0 20 Superconductors Fabricated by Sol Gel Technique", Optoelectronics and Advanced Materials-Rapid Communications, 2010.
- A141. "Essential oil composition and antioxidant activities of alkanet (Alkanna tinctoria subsp. tinctoria)", Food Science and Biotechnology, 2010.
- A142. "Chemical composition, antimicrobial and antioxidant activities of the essential oils of Sideritis erythrantha Boiss. and Heldr. (var. erythrantha and var. cedretorum P.H. Davis) endemic in Turkey", Food and Chemical Toxicology, 2010.
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- A144. "Essential oil composition and antioxidant activity of Thymus longicaulis C. Presl subsp. longicaulis var. longicaulis", Food and Chemical Toxicology, 2010.
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- A147. "The influence of the sintering temperature on the structural and the magnetic properties of doped manganites: La0.95Ag0.05MnO3 and La0.75Ag0.25MnO3", Journal of Magnetism and Magnetism and Magnetism 2010.
- A148. "Studies on the antioxidant activity of essential oil and different solvent extracts of Vitex agnus castus L. fruits from Turkey", Food and Chemical Toxicology, 2009.

- A149. "Antioxidant activities, metal contents, total phenolics and flavonoids of seven Morchella species", Food and Chemical Toxicology, 2009.
- A150. "Evaluation of the antioxidant activity of four edible mushrooms from the Central Anatolia, Eskisehir Turkey: Lactarius deterrimus, Suillus collitinus, Boletus edulis, Xerocomus chrysenteron", Bioresource Technology, 2008.
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- B1. "Determination of Antioxidant Activity Of Onosma Armenum Plant", 3. INTERNATIONAL AVRASYA SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, 2025.
- B2. "ANTIOXIDANT CAPACITY OF THE METHANOLIC EXTRACT OF STACHYS CRETICA SUBSP. ANATOLICA", 7. INTERNATIONAL ULUDAĞ SCIENTIFIC RESEARCH CONGRESS, 2025.
- B3. "EFFECT OF EXTRACTION TECHNIQUES ON YIELD AND ENZYME INHIBITORY ACTIVITIES OF ONOSMA ERZINCANICA METHANOL EXTRACTS", 7. INTERNATIONAL ULUDAĞ SCIENTIFIC RESEARCH CONGRESS, 2025.
- B4. "DETERMINATION OF ANTIOXIDANT ACTIVITY OF ONOSMA ARMENUM", 3. INTERNATIONAL AVRASYA SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, 2025.
- B5. "BIOACTIVE PROFILE AND ANTIOXIDANT CAPACITY OF ALKANNA ORIENTALIS AQUEOUS EXTRACT OBTAINED BY ULTRASONIC METHOD", 12. INTERNATIONAL GÖBEKLİTEPE SCIENTIFIC STUDIES CONGRESS 21 –22 SEPTEMBER 2025, 2025.
- B6. "ALKANNA TUBULOSA SU ÖZÜTÜNÜN FENOLİK BİLEŞİK PROFİLİ VE ANTIOKSİDAN AKTİVİTELERİNİN DEĞERLENDİRİLMESİ", 11. Uluslararası Hasankeyf Bilimsel Araştırmalar ve İnovasyon Kongresi 20-21 Eylül 2025, 2025.
- B7. "BAZI MARRUBIUM TÜRLERİNİN SU ÖZÜTLERİNİN ANTİOKSİDAN AKTİVİTELERİNİN FARKLI İN VİTRO TEST SİSTEMLERİYLE DEĞERLENDİRİLMESİ", 11. Uluslararası Hasankeyf Bilimsel Araştırmalar ve İnovasyon Kongresi 20-21 Eylül 2025, 2025.
- B8. "CLADANTHUS MIXTUS ÖZÜTLERİNİN BİYOLOJİK AKTİVİTELERİNİN VE FİTOKİMYASAL İÇERİKLERİNİN ARAŞTIRILMASI", 8. Uluslararası Boğaziçi Bilimsel Araştırmalar Kongresi, 2025.
- B9. "STACHYS LONGIFLORA BİTKİSİ ÖZÜTLERİNİN ENZİM İNHİBİSYON AKTİVİTELERİ VE BİYOLOJİK POTANSİYELİNİN İNCELENMESİ", 8. Uluslararası Boğaziçi Bilimsel Araştırmalar Kongresi 12-13 Eylül 2025, 2025.
- B10. "Investigation Of The Effects Of Extraction Techniques On The Phenolic Content And Antioxidant Activity Of Campanula Iconia", 5. INTERNATIONAL TRAKYA SCIENTIFIC RESEARCH CONGRESS, 2024.
- B11. "Determination Of Antioxidant Activity Of Chamomile (Anthemis Chia) Flowers", 5. INTERNATIONAL TRAKYA SCIENTIFIC RESEARCH CONGRESS, 2024.
- B12. "INVESTIGATION OF THE EFFECTS OF EXTRACTION TECHNIQUES ON THE PHENOLIC CONTENT AND ANTIOXIDANT ACTIVITY OF CAMPANULA ICONIA", 5. INTERNATIONAL TRAKYA SCIENTIFIC RESEARCH CONGRESS, 2024.
- B13. "DETERMINATION OF ANTIOXIDANT ACTIVITY OF CHAMOMILE (ANTHEMIS CHIA) FLOWERS", 5. INTERNATIONAL TRAKYA SCIENTIFIC RESEARCH CONGRESS, 2024.
- B14. "Determination of the effect of Echium angustifolium on oxidative stress and inflammation in human dermal fibroblast. Cells", 4. INTERNATIONAL SELÇUK SCIENTIFIC RESEARCH CONGRESS, 2024.
- B15. "EVALUATION OF THE ANTIMICROBIAL ACTIVITY OF ZIZIPHORA TAURICA WATER AND METHANOL EXTRACTS' LOADED NANOLIPOSOMES", 4. INTERNATIONAL SELÇUK SCIENTIFIC RESEARCH CONGRESS, 2024.
- B16. "DETERMINATION OF THE EFFECT OF ECHIUM ANGUSTIFOLIUM ON OXIDATIVE STRESS AND INFLAMMATION IN HUMAN DERMAL FIBROBLAST CELLS", 4. INTERNATIONAL SELÇUK SCIENTIFIC RESEARCH CONGRESS, 2024.
- B17. "DETERMINATION OF THE PROTECTIVE EFFECT OF ASTRAGALUS MACROCEPHALUS SUBSP. FINITIMUS AGAINST OXIDATIVE STRESS ON HYDROGEN PEROXIDE-INDUCED HUMAN DERMAL FIBROBLAST CELLS", 4. INTERNATIONAL SELÇUK SCIENTIFIC RESEARCH CONGRESS, 2024.
- B18. "Evaluation of the antimicrobial activity of Ziziphora taurica water and methanol extracts loaded nanoliposomes.", INTERNATIONAL SELÇUK SCIENTIFIC RESEARCH CONGRESS, 2024.
- B19. "Determination of the effect of Echium angustifolium on oxidative stress and inflammation in human dermal fibroblast cells.", INTERNATIONAL SELÇUK SCIENTIFIC RESEARCH CONGRESS, 2024.
- B20. "Determination of the protective effect of Astragalus macrocephalus subsp. finitimus against oxidative stress of hydrogen peroxide-induced human dermal fibroblast cell.", INTERNATIONAL SELÇUK SCIENTIFIC RESEARCH CONGRESS, 2024.
- B21. "INVESTIGATION OF THE EFFECTS OF EXTRACTION TECHNIQUES ON THE PHENOLIC CONTENT AND ANTIOXIDANT ACTIVITY OF ONOSMA MALATYANA", 3. INTERNATIONAL ULUDAĞ SCIENTIFIC RESEARCH

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- B22. "DETERMINATION OF ANTIOXIDANT ACTIVITY OF TUBER OLIGOSPERMUM", INTERNATIONAL ULUDAĞ SCIENTIFIC RESEARCH CONGRESS. 2024.
- B23. "DETERMINATION OF ANTIOXIDANT CAPACITIES OF SOME MARRUBIUM SPECIES", 1. INTERNATIONAL ÜSKÜDAR SCIENTIFIC RESEARCH CONGRESS, 2024.
- B24. "PHYTOCHEMICAL EVALUATION OF CENTAURIUM ERYTHRAEA SUBSP. ERYTHRAEA", 1. INTERNATIONAL ÜSKÜDAR SCIENTIFIC RESEARCH CONGRESS, 2024.
- B25. "MODIFICATION OF SILICA GEL WITH DIFFERENT SCHIFF COMPOUNDS AND INVESTIGATION OF THE PARAMETERS OF Th(IV) ION ADSORPTION FROM AQUEOUS SOLUTION", 2. INTERNATIONAL BOĞAZİÇİ SCIENTIFIC STUDIES CONGRESS, 2023.
- B26. "Marribium parviflorum subsp. parviflorum bitki çözücü özütlerinin antioksidan kapasitelerinin tespit edilmesi", 3. INTERNATIONAL MEDITERRANEAN SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, 2023.
- B27. "Digitalis cariensis bitkisi çözücü özütlerinin antioksidan ve enzim inhibisyon potansiyellerinin belirlenmesi", 5. International Dicle Scientific Research And Innovation Congress, 2023.
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- B29. "DIGITALIS CARIENSIS BİTKİSİ ÇÖZÜCÜ ÖZÜTLERİNİN ANTİOKSİDAN VE ENZİM İNHİBİSYON POTANSİYELLERİNİN BELİRLENMESİ", 5. INTERNATIONAL DİCLE SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, 2023.
- B30. "DIANTHUS CALOCEPHALUS BİTKİSİ ÇÖZÜCÜ ÖZÜTLERİNİN BİYOLOJİK AKTİVİTELERİNİN BELİRLENMESİ", 6. INTERNATIONAL SCIENTIFIC RESEARCHES AND INNOVATION CONGRESS, 2023.
- B31. "DETERMINATION OF BIOLOGICAL ACTIVITIES OF SOLVENT EXTRACTS FROM DIANTHUS CALOCEPHALUS", 6. INTERNATIONAL SCIENTIFIC RESEARCHES AND INNOVATION CONGRESS, 2023.
- B32. "DETERMINATION OF ANTIOXIDANT POTENTIAL OF CHENOPODIUM BOTRYS SEEDS", 6. INTERNATIONAL SCIENTIFIC RESEARCHES AND INNOVATION CONGRESS, 2023.
- B33. "DETERMINATION OF ANTIOXIDANT CAPACITY OF SOLVENT EXTRACTS FROM MARRUBIUM PARVIFLORUM SUBSP. PARVIFLORUM", 3. INTERNATIONAL MEDITERRANEAN SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, 2023.
- B34. "Determination Of Radical Scavenging And Reducing Power Potentials Of Kaya Andızı (Inula Heterolepis) Extracts", 3. INTERNATIONAL MEDITERRANEAN SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, 2023.
- B35. "A PHYTOCHEMICAL STUDY ON SILENE COMPACTA", 5. INTERNATIONAL HASANKEYF SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, 2023.
- B36. "INVESTIGATION OF ANTIOXIDANT ACTIVITY OF SARIÇÖRDÜK (ECHINOPHORA TENUIFOLIA SUBSP. SIBTHORPIANA)", 5. INTERNATIONAL HASANKEYF SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, 2023.
- B37. "DETERMINATION OF ANTIOXIDANT ACTIVITIES OF SOME EDIBLE MUSHROOM SPECIES", 9. INTERNATIONAL GAP SUMMIT SCIENTIFIC RESEARCH CONGRESS, 2022.
- B38. "DETERMINATION OF PHENOLIC COMPOUNDS IN LEAF SAMPLES TAKEN FROM A 3200-YEAR-OLD OLIVE TREE", CUKUROVA 8th INTERNATIONAL SCIENTIFIC RESEARCHES CONFERENCE, 2022.
- B39. "Investigation of the Electrochemical Behavior of Rafoxanide by Modified Electrode", 3rd International Conference on Food, Agriculture and Veterinary, 2021.
- B40. "Taguchi Optimization Approach for Adsorption of the HexavalentChromium onto Cotton (gossypium sp.) Stalks", International Conference on Natural Science and Engineering (ICNASE'16), 2016.
- B41. "Synthesis and Biological Evaluation of Novel Barbituric Acid Hydrazone Derivatives", THE INTERNATIONAL CONFERENCE ON SCIENCE, ECOLOGY AND TECHNOLOGY-I (ICONSETE'2015–Vienna), 2015.

## D. Articles published in national peer-reviewed journals:

- D1. "Chemical composition, antioxidant properties, and enzyme inhibitory activities of methanol extract from Sideritis montana subsp. montana using ultrasound-assisted extraction", International Journal of Secondary Metabolite, 2025.
- D2. "Unlocking The Therapeutic Potential of Silene compacta: A Comparative Study of Antioxidant and Enzyme Inhibitory Activities Across Solvent Extracts", Selçuk Üniversitesi Fen Fakültesi Fen Dergisi, 2025.
- D3. "Ultrasound Assisted Extraction of Phenolic and Flavonoid Compounds from Anthemis cotula: Antioxidant Potential Assessment", Celal Bayar University Journal of Science, 2025.
- D4. "Developing and Analytical Application of Modified Electrode for the Electrochemical Determination of Rafoxanide Veterinary Drug", International Bulletin of Electrochemical Methodology, 2024.
- D5. "Unveiling the antioxidant secrets: Phytochemical profiling and bioactive potential of water extracts from Muğla propolis samples", Celal Bayar Üniversitesi Fen Bilimleri Dergisi, 2024.

- D6. "Cistus salviifolius: Elucidation of Phytochemical Composition and Biological Activities for Potential Pharmacological Field", Biointerface Research in Applied Chemistry, 2024.
- D7. "LC-MS/MS analyses and biological activities of Onosma sintenisii and O. mutabile", International Journal of Secondary Metabolite, 2022.
- D8. "Phytochemistry and biological activity of Onosma rascheyana (Boiss.) extracts", International Journal of Plant Based Pharmaceuticals, 2022.
- D9. "The importance of Lavandula stoechas L. in pharmacognosy and phytotherapy", International Journal of Secondary Metabolite, 2022.
- D10. "Assessment of apigenin-7-glucoside and luteolin-7-glucoside as multitargeted agents against Alzheimer's disease: a molecular docking study", International Journal of Plant Based Pharmaceuticals, 2021.
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- D12. "Phenolic profile, antioxidant and enzyme inhibitory activity of the ethyl acetate, methanol and water extracts of capparis spinosa l.", International Journal of Secondary Metabolite, 2021.
- D13. "İki Ononis Türünün Antioksidan Aktivitelerinin Karşılaştırılması", SDÜ Fen Bilimleri Enstitüsü Dergisi, 2016.
- D14. "Synthesis and characterization of novel hydrazone based anti-mutagenic and antioxidative agents", Journal of Applied Pharmaceutical Science, 2015.
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- D16. "Phenolic composition of Anchusa undulata L subsp hybrida Ten Coutinho from Turkey", Journal of Medicinal Herbs and Ethnomedicine, 2015.
- D17. "Onopordum anatolicum tohumlarının antioksidan aktiviteleri", Selçuk Üniversitesi Fen Fakültesi Fen Dergisi (SUFEFD), 2015.
- D18. "Fatty acid composition of flowers of Crepis foetida subsp rhoeadifolia from Turkey", Journal of Medicinal Herbs and Ethnomedicine, 2015.
- D19. "Sonchus asper subsp glaucescens Asteraceae in Antioksidan Özellikler", Selçuk Üniversitesi Fen Fakültesi Fen Dergisi (SUFEFD), 2014.
- D20. "Morphological analyses of Hg1-xHoxBa2Ca2Cu3O8+y  $(0.0 \le x \le 0.20)$  superconductors fabricated by sol-gel technique", Optoelectronics and Advanced Materials, Rapid Communications, 2010.