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Education Information

Doctorate, Inonu University, Institute of Health Sciences, Department of Pharmaceutical Basic Sciences, 2016-...

Postgraduate, Inonu University, Institute of Science, Department of Chemistry, 2014

Undergraduate, Inonu University, Faculty of Arts and Sciences, Department of Chemistry, 2008.

Dissertations

Postgraduate, Surfactant-assisted mesoporous TiO₂ synthesis and its photocatalytic activity, 2008

Academic Titles/Tasks

2020- Lecturer, Adıyaman University, Faculty of Pharmacy, Department of Analytical Chemistry

Article Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Synthesis of new 7-amino-3,4-dihydroquinolin-2(1H)-one peptide derivatives and their carbonic anhydrase enzyme inhibition, antioxidant, and cytotoxic activities**
Küçükbay H, Gonul Z, Küçükbay F., Tekin Z., Angeli A., Bartolucci G., Supuran C. T., Tatlici E., Apohan E., Yeşilada Ö.,
ARCHIV DER PARMAZIE, 2021 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **In vitro Antioxidant Activities of Methanol Extracts of Three Achillea Species from Turkey,**
Tekin Zehra, Küçükbay F. Zehra, Dikme Ahmet,
Journal of the Turkish Chemical Society Section A: Chemistry, 2021, 8(2), 483-90.
- II. **Evaluation of phytochemical content and antioxidant activity of Punica granatum Linn. flower,**
Tekin Zehra, Küçükbay F. Zehra,
Journal of the Turkish Chemical Society Section A: Chemistry, 2020, 7(1), 37-42.

Refereed Congress/ Symposium Publications in Proceedings

- I. **Synthesis of mesoporous TiO₂ nanoparticles and evaluation of its photocatalytic activity.**
Tekin Z., Şener Ş.
5th International Organic Chemistry Congress, Malatya, Turkey 14-17 October 2021, pp 62.
Oral Presentation
- II. **Preparation, Antioxidant and Anticancer Properties of Novel Pyrazole-Pyridine Conjugates.**
Zebbiche Z., Şekerci G., Küçükbay F., Tekin S., Tekin Z., Küçükbay H., Sandal S., Boumoud B.
5th International Organic Chemistry Congress, Malatya, Turkey 14-17 October 2021, pp 21.
Oral Presentation
- III. **Solvent extraction effects on Phytochemical Constituents and Antioxidant Activities of Buds of Punica granatum L grown in Adıyaman-Turkey.**
Tekin Z., Küçükbay F.
3rd International Conference on Applied Science Mathematics and Informatics, Bandar Lampung, Indonesia, 03 September 2020, pp 33.
Oral Presentation
- IV. **Dipeptit-Homosülfanomit Türevlerinin Antioksidan Kapasitelerinin Metal Şelatlama Yöntemine Göre Belirlenmesi.**
Küçükbay F., Tekin Z., Buğday N., Küçükbay H.
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10-13 September 2019, pp 200.
- V. **Sivas'ın Suşehri ilçesinde yetişen Alıç Meyvesinin Toplam Fenolik/Flavonoid İçeriği ve Antioksidan Kapasitesinin Belirlenmesi.**
Tekin Z., Küçükbay F.
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10-13 September 2019, pp 218.
- VI. **Antioxidant activity of some benzimidazole ligands and their Zn(II) and Co(II) complexes.**
Küçükbay F., Yılmaz Ü., Tekin Z., Küçükbay H.
2nd International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 28-29 June 2019, pp 710.

- VII. Preparation and antioxidant activity of N-protected (dipeptidoyl)benzotriazole derivatives.**
Buğday N., Küçükbay F., Tekin Z., Küçükbay H.
2nd International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 28-29 June 2019, pp 632-38.
Oral Presentation/Full-Text
- VIII. Bazı yeni 7-N-açilamino-2-okso-1,2,3,4-tetrahidrokinolin türevlerinin antioksidan özellikleri.**
Gönül Z., Küçükbay F., Tekin Z., Küçükbay H.
2nd International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 28-29 June 2019, pp 753-56.
Oral Presentation/Full-Text
- IX. Evaluation of phytochemical content and antioxidant activity of Punica granatum Linn. Flower.**
Tekin Z., Küçükbay F.
2nd International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 28-29 June 2019, pp 514.
Oral Presentation/Full-Text
- X. Antioxidant Properties of amino acid / dipeptide containing homosulfonamide derivatives.**
Küçükbay F., Tekin Z., Buğday N., Küçükbay H.
EASTWEST Chemistry Conference, Liviv, Ukraine, 10-12 October 2018, pp 132.
- XI. Antioxidant Properties of 4-(2-aminoethyl)benzensulfonamide-Amino acid / dipeptide Conjugates.**
Küçükbay F., Tekin Z., Buğday N., Küçükbay H.
EASTWEST Chemistry Conference, Liviv, Ukraine, 10-12 October 2018, pp 63-65.
- XII. A New Ultraviolet Sensor for Zn²⁺ based on N,N'-Dibenzyl-1,2-diaminobenzene Unit.**
Küçükbay F., Tekin Z., Küçükbay H.
International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26-27 May 2018, pp 800.
- XIII. Evaluation of free radical scavenging activity of various extracts of fruit, shell and seed from Crataegus monogyna (hawthorn) from Malatya.**
Tekin Z., Küçükbay F.
International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26-27 May 2018, pp 816.
- XIV. In vitro Antioxidant Activities of Different Solvent Extracts of Crataegus monogyna (hawthorn) from Malatya (Akçadağ), TURKEY.**
8th Black Sea Basin Conference on Analytical Chemistry, İstanbul, Turkey, 9-11 May 2018, pp 165.
- XV. Antioxidant Properties of Some Plants Leaves Grown in Malatya of TURKEY.**
International Symposium on Medicinal Aromatic and Dye Plants, Malatya, Turkey, 5-7 October 2017, pp 324.

Supported Project

- I. Yeni Dipeptit-İndol Konjüatları Sentezi, Antioksidan ve Antikanser Özelliklerinin Belirlenmesi, Project Supported by Higher Education Institutions, (2020-.....)
- II. Adıyaman Bölgesinde Yetiştirilen Nar (*Punica granatum L.*) Meyvesi ve Yan Ürünlerinin Fito-kimyasal Özellikleri ve Antioksidan Kapasiteleri, Project Supported by Higher Education Institutions, (2020-....)
- III. Malatya’da yetişen alıç (*Crataegus pseudoheterophylla* Pojark) Meyvesinin, Çekirdeğinin ve Çekirdek Kabuğunun Toplam Fenolik/ Flavonoid Miktarlarının ve Antioksidan Aktivitesinin Belirlenmesi, Project Supported by Higher Education Institutions, (2018-2019)
- IV. Dipeptit İçeren Yeni Sülfonamit Türevleri Sentezi Ve Karbonik Anhidraz (I,II, IV ve XII) Enzim İnhibisyon Ve Antioksidan Özelliklerinin Belirlenmesi, TÜBİTAK Project, (2017- 2019)
- V. Sürfaktan Yardımıyla Mezogözenekli TiO₂ Sentezi ve Fotokatalitik Etkinliği,, Project Supported by Higher Education Institutions. (2014)