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International Researcher IDs

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Publons / Web Of Science ResearcherID: [AAD-7829-2019](https://publons.com/researcher/AAD-7829-2019)

ScopusID: [56530836700](https://scopus.com/authid/detail.uri?authorId=56530836700)

Yoksis Researcher ID: [282263](https://yoksis.erciyes.edu.tr/researcher/282263)

Education Information

Doctorate, Erciyes University, Sağlık Bilimleri Enstitüsü, Temel Eczacılık Bilimleri \ Analitik Kimya Abd., Turkey 2018 - 2024

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Kimya / Analitik Kimya, Turkey 2017 - 2018

Postgraduate, Erzincan Üniversitesi, Fen Bilimleri Enstitüsü, Kimya / Analitik Kimya, Turkey 2014 - 2016

Undergraduate, Erzincan Üniversitesi, Fen Edebiyat Fakültesi, Kimya, Turkey 2009 - 2013

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, İLAÇ ETKEN MADDELERİNİN TAYİNİ VE FOTOKATALİTİK GİDERİMİ İÇİN ÇOK FONKSİYONLU HİBRİT NANOMATERYALLERİN GELİŞTİRİLMESİ, Erciyes University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2024

Research Areas

Chemistry, Analytical Chemistry, Electromagnetic Methods, gravimetry, Chromatographic Analysis, Sensors, Volumetry, Natural Sciences

Academic Titles / Tasks

Research Assistant, Erciyes University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Application of a new dithizone grafted polymeric adsorbent for solid phase microextraction of manganese and copper prior to FAAS in fortified vegetables and barbecue samples**
ULUSOY S., DEMİRBAŞ A., ELİK A., ALTUNAY N., SARP G., Yılmaz E., ULUSOY H. İ.
CHEMICAL PAPERS, vol.76, no.10, pp.6153-6165, 2022 (SCI-Expanded)
- II. **g-C₃N₄@TiO₂@Fe₃O₄ Multifunctional Nanomaterial for Magnetic Solid-Phase Extraction and Photocatalytic Degradation-Based Removal of Trimethoprim and Isoniazid**
SARP G., Yılmaz E.
ACS OMEGA, vol.7, no.27, pp.23223-23233, 2022 (SCI-Expanded)
- III. **Nanostructures for the Prevention, Diagnosis, and Treatment of SARS-CoV-2: A Review**
Kiremitler N. B., Kemerli M. Z., Kayaci N., Karagoz S., Pekdemir S., Sarp G., Sanduvaç S., Önses M. S., Yılmaz E.
ACS APPLIED NANO MATERIALS, vol.5, no.5, pp.6029-6054, 2022 (SCI-Expanded)
- IV. **Magnetic solid phase extraction of erythrosine (E127) in pharmaceutical samples with Fe₃O₄/C-nanodots hybrid material prior to spectrophotometric analysis**
Emiroglu E., YUVALI D., SARP G., YILMAZ E., NARİN İ.
MICROCHEMICAL JOURNAL, vol.170, 2021 (SCI-Expanded)
- V. **Tergitol@SiO₂@Fe₃O₄ magnetic nano-material and experimental design methodology: An effective and selective adsorbent for solid phase microextraction and flame atomic absorption spectrometric analysis of lead in different matrixes**
ALTUNAY N., ELİK A., SARP G., YILMAZ E., ULUSOY H. İ.
MICROCHEMICAL JOURNAL, vol.170, 2021 (SCI-Expanded)
- VI. **Determination of chloramphenicol and tetracycline residues in milk samples by means of nanofiber coated magnetic particles prior to high-performance liquid chromatography-diode array detection**
Vuran B., ULUSOY H. İ., SARP G., YILMAZ E., MORGÜL Ü., Kabir A., Tartaglia A., Locatelli M., SOYLAK M.
Talanta, vol.230, 2021 (SCI-Expanded)
- VII. **Application of magnetic nanomaterials in bioanalysis**
Yılmaz E., Sarp G., Uzcan F., Özalp Ö., Soylak M.
Talanta, vol.229, 2021 (SCI-Expanded)
- VIII. **Antibacterial, Antiviral, and Self-Cleaning Mats with Sensing Capabilities Based on Electrospun Nanofibers Decorated with ZnO Nanorods and Ag Nanoparticles for Protective Clothing Applications**
Karagoz S., Burak Kiremitler N. B., Sarp G., Pekdemir S., Salem S., Goksu A., Serdar Onses M. S., Sözdutmaz İ., Sahmetlioglu E., Ozkara E. S., et al.
ACS APPLIED MATERIALS & INTERFACES, vol.13, no.4, pp.5678-5690, 2021 (SCI-Expanded)
- IX. **Fabrication of superhydrophobic Ag@ZnO@Bi₂WO₆ membrane disc as flexible and photocatalytic active reusable SERS substrate**
Korkmaz I., ŞAKİR M., SARP G., Salem S., TÖRÜN İ., Volodkin D., Yavuz E., ÖNSES M. S., YILMAZ E.
JOURNAL OF MOLECULAR STRUCTURE, vol.1223, 2021 (SCI-Expanded)
- X. **TiO₂ nanoparticles and C-Nanofibers modified magnetic Fe₃O₄ nanospheres (TiO₂@Fe₃O₄@C-NF): A multifunctional hybrid material for magnetic solid-phase extraction of ibuprofen and photocatalytic degradation of drug molecules and azo dye**
YILMAZ E., Salem S., SARP G., Aydin S., Sahin K., Korkmaz I., YUVALI D.
Talanta, vol.213, 2020 (SCI-Expanded)
- XI. **Graphene-like MoS₂-modified magnetic C-dot nanoflowers: An efficient magnetic solid-phase extraction adsorbent for monitoring of trace amounts of ibuprofen**
YILMAZ E., SARP G.
Analytical Methods, vol.12, no.12, pp.1570-1578, 2020 (SCI-Expanded)
- XII. **Low bandgap microsphere-like magnetic nanocomposite: An enhanced photocatalyst for degradation of organic contaminants and fabrication of SERS-active surfaces**
Salem S., ŞAKİR M., Sahin K., Korkmaz I., Yavuz E., SARP G., ÖNSES M. S., YILMAZ E.
COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS, vol.589, 2020 (SCI-Expanded)
- XIII. **Photocatalytic green fabrication of Au nanoparticles on ZnO nanorods modified membrane as**

flexible and photocatalytic active reusable SERS substrates

ŞAKİR M., Salem S., Sanduvac S. T., Sahmetlioglu E., SARP G., ÖNSES M. S., YILMAZ E.

COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.585, 2020 (SCI-Expanded)

- XIV. **A flower-like hybrid material composed of Fe₃O₄, graphene oxide and CdSe nanodots for magnetic solid phase extraction of ibuprofen prior to its quantification by HPLC detection**

SARP G., YILMAZ E.

Microchimica Acta, vol.186, no.11, 2019 (SCI-Expanded)

- XV. **Characterization of a hybrid-smectite nanomaterial formed by immobilizing of N-pyridin-2-ylmethylsuccinamic acid onto (3- Aminopropyl)triethoxysilane modified smectite and its potentiometric sensor application**

Topcu C., ÇAĞLAR S., ÇAĞLAR B., ÇOLDUR F., ÇUBUK O., Sarp G., Gedik K., Cirak B. B., Tabak A.

Advances in Natural Sciences: Nanoscience and Nanotechnology, vol.7, no.3, 2016 (SCI-Expanded)

- XVI. **Structural, thermal, morphological and surface charge properties of dodecyltrimethylammonium-smectite composites**

ÇAĞLAR B., Topcu C., ÇOLDUR F., Sarp G., ÇAĞLAR S., Tabak A., Sahin E.

Journal of Molecular Structure, vol.1105, pp.70-79, 2016 (SCI-Expanded)

- XVII. **Structural characterization of hexadecyltrimethylammonium-smectite composites and their potentiometric electrode applications**

ÇUBUK O., ÇAĞLAR B., Topcu C., ÇOLDUR F., Sarp G., Tabak A., Sahin E.

Applied Surface Science, vol.338, pp.99-112, 2015 (SCI-Expanded)

Supported Projects

YILMAZ E., KEMERLİ M. Z., YAŞAR Z., YAŞAR M., SARP G., SOYLAK M., BOŞGELMEZ İ. İ., Project Supported by Higher Education Institutions, Dünyada Yoğun Kullanılan Bazı İlaç Etkin Maddelerinin Antarktika Horseshoe Adası ve Çevresindeki Su DipKıyı Sedimentleri ve Balık Örneklerinde İzlenmesi için Yeni Nesil Ekstraksiyon Yöntemleri ile Ayırma Zenginleştirme ve Kromatografik Tayin Basamaklarını İçeren Yüksek Duyarlıkta Analitik Yöntemlerin Geliştirilmesi, 2021 - Continues

YILMAZ E., SARP G., Project Supported by Higher Education Institutions, İLAÇ ETKEN MADDELERİNİN TAYİNİ VE FOTOKATALİTİK GİDERİMİ İÇİN ÇOK FONKSİYONLU HİBRİT NANOMATERYALLERİN GELİŞTİRİLMESİ, 2022 - 2024

YILMAZ E., AYDIN L., SARP G., ŞAHİN K., Project Supported by Higher Education Institutions, FARKLI CİHAZLARDA VE SİSTEMLERDE KULLANILAN YÜKSEK KATMA DEĞERLİ MANYETİK FERROSİVİLLERİN YERLİ İMKANLAR İLE ÜRETİLMESİ, 2020 - 2022

ÖNSES M. S., SARP G., Project Supported by Higher Education Institutions, Kan plazma ve idrar örneklerinde Na⁺, K⁺ ve Cl⁻ iyonlarının analizinde kullanılacak yerli üretim tanı kitlerinin geliştirilmesi, 2020 - 2021

YILMAZ E., CEYLAN A., ERBAŞ Z., GÖKÇE YILMAZ S., SARP G., Project Supported by Higher Education Institutions, Farklı Uygulamalarda Kullanılacak Yeni Nesil Multifonksiyonel Manyetik Nano Hibrit Materyallerin Sentezi, 2018 - 2021

Activities in Scientific Journals

Sağlık Bilimleri Dergisi, Assistant Editor/Section Editor, 2019 - 2022

Scientific Refereeing

CUMHURİYET SCIENCE JOURNAL, National Scientific Refreed Journal, October 2023

Metrics

Publication: 17

Citation (WoS): 372

Citation (Scopus): 439

H-Index (WoS): 11

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