

## Assoc. Prof. ERKAN YILMAZ

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Erciyes University, Fen Fakültesi, Turkey 2012 - 2016

Postgraduate, Erciyes University, Fen Fakültesi, Turkey 2010 - 2012

Undergraduate, Karadeniz Technical University, Fen Fakültesi, Turkey 2004 - 2008

### Foreign Languages

English, C1 Advanced

### Dissertations

Postgraduate, KARBON NANOTÜP ÜZERİNDE BAZI METAL İYONLARININ ZENGİNLEŞTİRİLMESİ, Erciyes Üniversitesi, Fen Fakültesi, Kimya, 2012

### Research Areas

Technical Sciences, Environmental Engineering, Environmental Sciences, Environmental Chemistry, Basic Sciences, Chemistry, Analytical Chemistry, Separation Methods, Chromatographic Analysis, Micro and Semimicro Methods, Spectroscopical Methods

### Academic Titles / Tasks

Associate Professor, Erciyes University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2020 - Continues

Assistant Professor, Erciyes University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2018 - 2019

Research Assistant, Erciyes University, Fen Fakültesi, Kimya, 2009 - 2017

### Academic and Administrative Experience

Erciyes University, 2018 - Continues

Erciyes University, 2019 - 2022

Erciyes University, 2018 - 2021

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

- I. **Advancements in reusable SERS substrates for trace analysis applications**  
YAVUZ E., ŞAKİR M., ÖNSESES M. S., Salem S., YILMAZ E.  
Talanta, vol.279, 2024 (SCI-Expanded)
- II. **Unlocking the Potential of Bismuth-Based Materials in Supercapacitor Technology: A Comprehensive Review**  
Yetiman S., Peçenek H., Dokan F. K., SANDUVAÇ S., ÖNSESES M. S., YILMAZ E., ŞAHMETLİOĞLU E.  
ChemElectroChem, vol.11, no.14, 2024 (SCI-Expanded)
- III. **Flexible electrodes composed of flower-like MoS<sub>2</sub> and MXene for supercapacitor applications**  
Hayat H. P., Dokan F. K., ÖNSESES M. S., YILMAZ E., Duran A., ŞAHMETLİOĞLU E.  
Materials Research Bulletin, vol.175, 2024 (SCI-Expanded)
- IV. **Solid phase microextraction of rhodamine B in cosmetic samples using ZnS@GO@WMCNTs Nanocomposite with Spectrophotometric Detection**  
Duman S., YILMAZ E., SOYLAK M.  
Microchemical Journal, vol.199, 2024 (SCI-Expanded)
- V. **Redox electrolyte mediated performance enhancement in aqueous zinc ion hybrid supercapacitors composed of spinel BaFe<sub>2</sub>O<sub>4</sub> and cubic Cu<sub>2</sub>O**  
Yetiman S., KILIÇ DOKAN F., ÖNSESES M. S., Yilmaz E., ÖZDEMİR A. T., ŞAHMETLİOĞLU E.  
JOURNAL OF MATERIALS CHEMISTRY C, vol.12, no.19, pp.6865-6880, 2024 (SCI-Expanded)
- VI. **Investigation of acridinium bromide degradation by stability-indicating HPLC methods, characterization of impurities by NMR, and identification of degradation products by LC-MS**  
Yazar Y., Ozel F. G. A., Atici E. B., Yilmaz E., NARİN İ.  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.238, 2024 (SCI-Expanded)
- VII. **Determination of Rhodamine B in Cosmetics, Candy, Water, and Plastic by a Novel Multiwalled Carbon Nanotube (MWCNT)@Zinc Oxide@Magnetite Nanocomposite for Magnetic Solid-Phase Extraction (MSPE) with Spectrophotometric Detection**  
Kizil N., Erbilgin D., Basaran E., Yola M. L., YILMAZ E., Marouch S., SOYLAK M.  
Analytical Letters, vol.57, no.7, pp.1182-1196, 2024 (SCI-Expanded)
- VIII. **Deep eutectic solvent-based ultrasound-assisted liquid-liquid microextraction of ibuprofen prior to HPLC-UV determination**  
Çidem F., Yuvali D., Soylak M., Narin İ., Yilmaz E.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.104, no.14, pp.3303-3313, 2024 (SCI-Expanded)
- IX. **Novel extracellular synthesized silver nanoparticles using thermophilic Anoxybacillus flavithermus and Geobacillus stearothermophilus and their evaluation as nanodrugs**  
Giray G., Gonca S., Özdemir S., Isik Z., YILMAZ E., SOYLAK M., Dizge N.  
Preparative Biochemistry and Biotechnology, vol.54, no.3, pp.294-306, 2024 (SCI-Expanded)
- X. **Polymer nanofilm mediated photo-assisted growth of gold nanostructures for sensing of drugs**  
Kayaci N., Şakir M., Esidir A., Yilmaz E., Onses M. S.  
THIN SOLID FILMS, vol.784, 2023 (SCI-Expanded)
- XI. **TiO<sub>2</sub>@ZnO nanocomposite: bifunctional material for solid phase extraction of U(VI) and Th(IV) and photocatalytic degradation of organic contaminant**  
Aydn F., YILMAZ E., Demirkiran G., Erbaş Z., Vurucuel M., SOYLAK M.  
Journal of Radioanalytical and Nuclear Chemistry, vol.332, no.10, pp.3879-3892, 2023 (SCI-Expanded)
- XII. **Asymmetric and zinc-ion hybrid supercapacitors based on iron oxide and carbon dots**  
Yetiman S., Kiliç Dokan F., ÖNSESES M. S., Huang X., YILMAZ E., ŞAHMETLİOĞLU E.  
Journal of Energy Storage, vol.68, 2023 (SCI-Expanded)

- XIII. **High energy density hybrid supercapacitors based on graphitic carbon nitride modified BiFeO<sub>3</sub> and biomass-derived activated carbon**  
Pecenek H., Dokan F. K., ÖNSES M. S., YILMAZ E., ŞAHMETLİOĞLU E.  
JOURNAL OF ENERGY STORAGE, vol.64, 2023 (SCI-Expanded)
- XIV. **Application of magnetic solid-phase extraction for sensitive determination of anticancer drugs in urine by means of diamino benzidine tetrachlorohydrate modified magnetic nanoparticles**  
Akyol E., ULUSOY H. İ., YILMAZ E., POLAT Ü., SOYLAK M.  
Pharmacological Reports, vol.75, no.2, pp.456-464, 2023 (SCI-Expanded)
- XV. **Scalable Fabrication of MXene-PVDF Nanocomposite Triboelectric Fibers via Thermal Drawing**  
Hasan M. M., Sadeque M. S. B., Albasar I., YILMAZ E., KILIÇ DOKAN F., Onses M. S., Ordu M.  
SMALL, vol.19, no.6, 2023 (SCI-Expanded)
- XVI. **Determination of Curcumin in Food with Homogenous Liquid-Phase Microextraction Preconcentration and Spectrophotometric Determination**  
GÜRMEK K., ŞAHİN U., YILMAZ E., SOYLAK M., ŞAHAN S.  
ANALYTICAL LETTERS, vol.56, no.5, pp.807-815, 2023 (SCI-Expanded)
- XVII. **Determination of Rhodamine B by UV-Vis spectrophotometry in cosmetics after microextraction by using heat-induced homogeneous liquid-liquid extraction method**  
Erbaş Z., Soylak M.  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.19, no.9, pp.3935-3942, 2022 (SCI-Expanded)
- XVIII. **Highly compressible binder-free sponge supercapacitor electrode based on flower-like NiO/MnO<sub>2</sub>/CNT**  
Pecenek H., KILIÇ DOKAN F., Onses M. S., Yilmaz E., Sahmetlioglu E.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.913, 2022 (SCI-Expanded)
- XIX. **g-C<sub>3</sub>N<sub>4</sub>@TiO<sub>2</sub>@Fe<sub>3</sub>O<sub>4</sub> Multifunctional Nanomaterial for Magnetic Solid-Phase Extraction and Photocatalytic Degradation-Based Removal of Trimethoprim and Isoniazid**  
SARP G., Yilmaz E.  
ACS OMEGA, vol.7, no.27, pp.23223-23233, 2022 (SCI-Expanded)
- XX. **Thiomalic acid/ferric chloride-based deep eutectic solvent for microextraction of chromium in natural water samples prior to FAAS analysis**  
Habiba M. A., Alabdulkarem E. A., ALOthman Z. A., YILMAZ E., SOYLAK M.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.102, no.8, pp.1825-1833, 2022 (SCI-Expanded)
- XXI. **Development of combined-supramolecular microextraction with ultra-performance liquid chromatography-tandem mass spectrometry procedures for ultra-trace analysis of carbaryl in water, fruits and vegetables**  
ALothman Z. A., YILMAZ E., Habiba M. A., Alhenaki B., SOYLAK M., Ahmed A. Y. B. H., Alabdulkarem E.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.102, no.7, pp.1491-1501, 2022 (SCI-Expanded)
- XXII. **Outstanding supercapacitor performance with intertwined flower-like NiO/ MnO<sub>2</sub>/CNT electrodes**  
Pecenek H., KILIÇ DOKAN F., ÖNSES M. S., Yilmaz E., ŞAHMETLİOĞLU E.  
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- XXIII. **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., Yilmaz E.  
ACS APPLIED NANO MATERIALS, vol.5, no.5, pp.6029-6054, 2022 (SCI-Expanded)
- XXIV. **Microwave-assisted fabrication of high-performance supercapacitors based on electrodes composed of cobalt oxide decorated with reduced graphene oxide and carbon dots**  
Yetiman S., Pecenek H., KILIÇ DOKAN F., ÖNSES M. S., Yilmaz E., ŞAHMETLİOĞLU E.  
Journal of Energy Storage, vol.49, 2022 (SCI-Expanded)
- XXV. **Effects of carbon nanomaterials and MXene addition on the performance of nitrogen doped MnO<sub>2</sub> based supercapacitors**

- Pecenek H., Yetiman S., KILIÇ DOKAN F., ÖNSES M. S., YILMAZ E., ŞAHMETLİOĞLU E.  
CERAMICS INTERNATIONAL, vol.48, no.5, pp.7253-7260, 2022 (SCI-Expanded)
- XXVI. **Cadmium selenide and carbon nanodots modified magnetite nanospheres for the magnetic solid-phase extraction (MSPE) of malachite green prior to spectrophotometric determination**  
SOYLAK M., Kestane F., YILMAZ E.  
Instrumentation Science and Technology, vol.50, no.4, pp.370-384, 2022 (SCI-Expanded)
- XXVII. **An easy and green amine-based microextraction strategy combined UV-Vis spectrophotometric detection for mercury in natural water samples**  
Dogru S., YILMAZ E., Gunduz S., SOYLAK M.  
Journal of the Iranian Chemical Society, vol.18, no.11, pp.3069-3075, 2021 (SCI-Expanded)
- XXVIII. **Magnetic solid phase extraction of erythrosine (E127) in pharmaceutical samples with Fe<sub>3</sub>O<sub>4</sub>/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)
- XXIX. **Mesoporous one-component gold microshells as 3d sers substrates**  
Vikulina A. S., Stetsyura I. Y., ÖNSES M. S., YILMAZ E., Skirtach A. G., Volodkin D.  
Biosensors, vol.11, no.10, 2021 (SCI-Expanded)
- XXX. **Hydrolytic enzyme modified magnetic nanoparticles: An innovative and green microextraction system for inorganic species in food samples**  
YILMAZ E., Erbas Z., SOYLAK M.  
Analytica Chimica Acta, vol.1178, 2021 (SCI-Expanded)
- XXXI. **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)
- XXXII. **Sensitive determination of Fluoxetine and Citalopram antidepressants in urine and wastewater samples by liquid chromatography coupled with photodiode array detector**  
Sarıkaya M., ULUSOY H. İ., MORGÜL Ü., ULUSOY S., Tartaglia A., YILMAZ E., SOYLAK M., Locatelli M., Kabir A.  
Journal of Chromatography A, vol.1648, 2021 (SCI-Expanded)
- XXXIII. **Application of magnetic nanomaterials in bioanalysis**  
Yılmaz E., Sarp G., Uzcan F., Özalp Ö., Soylak M.  
Talanta, vol.229, 2021 (SCI-Expanded)
- XXXIV. **A new strategy for the combination of supramolecular liquid phase microextraction and UV-Vis spectrophotometric determination for traces of maneb in food and water samples**  
SOYLAK M., Agirbas M., YILMAZ E.  
Food Chemistry, vol.338, 2021 (SCI-Expanded)
- XXXV. **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., Sözdutalmaz İ., Sahmetlioglu E., Ozkara E. S., et al.  
ACS APPLIED MATERIALS & INTERFACES, vol.13, no.4, pp.5678-5690, 2021 (SCI-Expanded)
- XXXVI. **Fabrication of superhydrophobic Ag@ZnO@Bi<sub>2</sub>WO<sub>6</sub> 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)
- XXXVII. **An environment-friendly and rapid liquid-liquid microextraction based on new synthesized hydrophobic deep eutectic solvent for separation and preconcentration of erythrosine (E127) in biological and pharmaceutical samples**  
Yuvalı D., Seyhaneyildizi M., Soylak M., Narin İ., Yılmaz E.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.244, 2021 (SCI-Expanded)

- XXXVIII. **An environmentally friendly and novel amine-based liquid phase microextraction of quercetin in food samples prior to its determination by UV-vis spectrophotometry**  
Soylak M., Ozdemir B., Yilmaz E.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.243, 2020 (SCI-Expanded)
- XXXIX. **A new liquid phase microextraction method-based reverse micelle for analysis of dexketoprofen in human plasma by HPLC-DAD**  
YUVALI D., YILMAZ E., NARİN İ.  
Journal of Analytical Science and Technology, vol.11, no.1, 2020 (SCI-Expanded)
- XL. **Deep Eutectic Solvent-Based Microextraction of Lead(II) Traces from Water and Aqueous Extracts before FAAS Measurements**  
Habla M. A., AlMasoud N., Alomar T. S., AlOthman Z. A., YILMAZ E., SOYLAK M.  
MOLECULES, vol.25, no.20, 2020 (SCI-Expanded)
- XLI. **Switchable-hydrophilicity solvent liquid-liquid microextraction**  
Alshana U., Hassan M., Al-Nidawi M., YILMAZ E., SOYLAK M.  
TRAC-TRENDS IN ANALYTICAL CHEMISTRY, vol.131, 2020 (SCI-Expanded)
- XLII. **Pyrocatechol violet impregnated magnetic graphene oxide for magnetic solid phase microextraction of copper in water, black tea and diet supplements**  
Ozkantar N., YILMAZ E., SOYLAK M., TÜZEN M.  
FOOD CHEMISTRY, vol.321, 2020 (SCI-Expanded)
- XLIII. **Solid-phase extraction of copper as 1-(2-pyridylazo)-2-naphthol (PAN) chelates on Coprinus atramentaria**  
Erbaş Z., Maulana R., YILMAZ E., Ozdemir S., Kilinc E., SOYLAK M.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.100, no.9, pp.992-1003, 2020 (SCI-Expanded)
- XLIV. **Simple and sensitive determination of vitamin A and E in the milk and egg yolk samples by using dispersive solid phase extraction with newly synthesized polymeric material**  
Köseoğlu K., ULUSOY H. İ., YILMAZ E., SOYLAK M.  
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.90, 2020 (SCI-Expanded)
- XLV. **Fabrication and characterization of SiO<sub>2</sub>@Fe<sub>3</sub>O<sub>4</sub>@nanodiamonds for vortex-assisted magnetic solid-phase extraction of lead in cigarette samples prior to FAAS detection**  
Saydan Kanberoglu G., YILMAZ E., SOYLAK M.  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.17, no.7, pp.1627-1634, 2020 (SCI-Expanded)
- XLVI. **TiO<sub>2</sub> nanoparticles and C-Nanofibers modified magnetic Fe<sub>3</sub>O<sub>4</sub> nanospheres (TiO<sub>2</sub>@Fe<sub>3</sub>O<sub>4</sub>@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)
- XLVII. **SERS-active hydrophobic substrates fabricated by surface growth of Cu nanostructures**  
ŞAKİR M., YILMAZ E., ÖNSES M. S.  
MICROCHEMICAL JOURNAL, vol.154, 2020 (SCI-Expanded)
- XLVIII. **Graphene-like MoS<sub>2</sub>-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)
- XLIX. **A novel deep eutectic solvent microextraction procedure for enrichment, separation and atomic absorption spectrometric determination of palladium at ultra-trace levels in environmental samples**  
AlOthman Z. A., Habla M. A., YILMAZ E., Alabdulkarem E. A., SOYLAK M.  
MEASUREMENT, vol.153, 2020 (SCI-Expanded)
- L. **Green synthesis of magnetic carbon nanodot/graphene oxide hybrid material (Fe<sub>3</sub>O<sub>4</sub>@C-nanodot@GO) for magnetic solid phase extraction of ibuprofen in human blood samples prior to**

### HPLC-DAD determination

Yuvalı D., Narin İ., Soylak M., Yılmaz E.

JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.179, 2020 (SCI-Expanded)

- L.I. **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-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.589, 2020 (SCI-Expanded)
- L.II. **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)
- L.III. **Cu<sub>2</sub>O-CuO ball like/multiwalled carbon nanotube hybrid for fast and effective ultrasound-assisted solid phase extraction of uranium at ultra-trace level prior to ICP-MS detection**  
Aydın F., YILMAZ E., Ölmez E., SOYLAK M.  
TALANTA, vol.207, 2020 (SCI-Expanded)
- L.IV. **Synthesis of Ag and TiO<sub>2</sub> modified polycaprolactone electrospun nanofibers (PCL/TiO<sub>2</sub>-Ag NFs) as a multifunctional material for SERS, photocatalysis and antibacterial applications**  
Karagoz S., KİREMİTLER N. B., ŞAKİR M., Salem S., ÖNSES M. S., Sahmetlioglu E., CEYLAN A., YILMAZ E.  
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.188, 2020 (SCI-Expanded)
- L.V. **Analytical methodology for trace determination of propoxur and fenitrothion pesticide residues by decanoic acid modified magnetic nanoparticles**  
Canlı A. G., Sürücü B., ULUSOY H. İ., YILMAZ E., Kabir A., Locatelli M.  
Molecules, vol.24, no.24, 2019 (SCI-Expanded)
- L.VI. **A flower-like hybrid material composed of Fe<sub>3</sub>O<sub>4</sub>, 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)
- L.VII. **Trace determination of vitamin B12 in food samples by using Fe<sub>3</sub>O<sub>4</sub> magnetic particles including multi-walled carbon nanotubes and nanodiamonds**  
ULUSOY H. İ., Gülle S., YILMAZ E., SOYLAK M.  
Analytical Methods, vol.11, no.40, pp.5108-5117, 2019 (SCI-Expanded)
- L.VIII. **A hybrid material composed of multiwalled carbon nanotubes and MoSe<sub>2</sub> nanorods as a sorbent for ultrasound-assisted solid-phase extraction of lead(II) and copper(II)**  
Menghwar P., YILMAZ E., SOYLAK M.  
Microchimica Acta, vol.186, no.10, 2019 (SCI-Expanded)
- L.IX. **Separation, enrichment and spectrophotometric determination of erythrosine (E127) in drug, cosmetic and food samples by heat-induced homogeneous liquid-liquid microextraction method**  
Ozkantar N., YILMAZ E., SOYLAK M., Tuzen M.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.99, no.12, pp.1135-1147, 2019 (SCI-Expanded)
- L.X. **A new amine based microextraction of lead (II) in real water samples using flame atomic absorption spectrometry**  
Habıla M. A., ALOthman Z. A., YILMAZ E., Alabdulkarem E. A., SOYLAK M.  
MICROCHEMICAL JOURNAL, vol.148, pp.214-219, 2019 (SCI-Expanded)
- L.XI. **Magnetic solid-phase extraction of quercetin on magnetic-activated carbon cloth (MACC)**  
Arain M. B., YILMAZ E., HODA N., Kazi T. G., SOYLAK M.  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.16, no.7, pp.1365-1372, 2019 (SCI-Expanded)
- L.XII. **Trace analysis of quercetin in tea samples by HPLC-DAD system by means of a new nanocomposite including magnetic core-shell**  
Ulusoy S., YILMAZ E., Erbas Z., ULUSOY H. İ., SOYLAK M.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.55, no.11, pp.2025-2036, 2019 (SCI-Expanded)

- LXIII. **A green ultrasonic-assisted liquid-liquid microextraction technique based on deep eutectic solvents for flame atomic absorption spectrometer determination of trace level of lead in tobacco and food samples**  
Memon Z. M., YILMAZ E., Shah A. M., Kazi T. G., Devrajani B. R., SOYLAK M.  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.16, no.4, pp.687-694, 2019 (SCI-Expanded)
- LXIV. **Application of deep eutectic solvent in ultrasound-assisted emulsification microextraction of quercetin from some fruits and vegetables**  
Kanberoğlu G. S., YILMAZ E., SOYLAK M.  
JOURNAL OF MOLECULAR LIQUIDS, vol.279, pp.571-577, 2019 (SCI-Expanded)
- LXV. **Supramolecular solvent microextraction and ultra-performance liquid chromatography-tandem mass spectrometry combination for the preconcentration and determination of malathion in environmental samples**  
ALothman Z. A., YILMAZ E., Habila M. A., Ghfar A. A., Alhenaki B., SOYLAK M., Ahmed A. Y. B. H.  
DESALINATION AND WATER TREATMENT, vol.144, pp.166-171, 2019 (SCI-Expanded)
- LXVI. **Deep eutectic solvent based liquid phase microextraction of nickel at trace level as its diethyldithiocarbamate chelate from environmental samples**  
Erbaş Z., SOYLAK M., YILMAZ E., Dogan M.  
MICROCHEMICAL JOURNAL, vol.145, pp.745-750, 2019 (SCI-Expanded)
- LXVII. **Developing a new and simple ultrasound-assisted emulsification liquid phase microextraction method built upon deep eutectic solvents for Patent Blue V in syrup and water samples**  
Kanberoğlu G. S., YILMAZ E., SOYLAK M.  
MICROCHEMICAL JOURNAL, vol.145, pp.813-818, 2019 (SCI-Expanded)
- LXVIII. **Magnetic solid phase extraction of trace paracetamol and caffeine in synthetic urine and wastewater samples by a using core shell hybrid material consisting of graphene oxide/multiwalled carbon nanotube/Fe<sub>3</sub>O<sub>4</sub>/SiO<sub>2</sub>**  
ULUSOY H. İ., YILMAZ E., SOYLAK M.  
MICROCHEMICAL JOURNAL, vol.145, pp.843-851, 2019 (SCI-Expanded)
- LXIX. **A sensitive and selective deep eutectic solvent-based ultrasound-assisted liquid phase microextraction procedure for separation-preconcentration and determination of copper in olive oil and water samples**  
Menghwar P., YILMAZ E., Sherazi S. T. H., SOYLAK M.  
Separation Science and Technology (Philadelphia), vol.54, no.15, pp.2431-2439, 2019 (SCI-Expanded)
- LXX. **Development of an ultrasonic-assisted restricted access supramolecular solvent-based liquid phase microextraction (UA-RAS-LPME) method for separation-preconcentration and UV-VIS spectrophotometric detection of curcumin**  
MENGHWAR P., YILMAZ E., SOYLAK M.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.53, no.16, pp.2612-2621, 2018 (SCI-Expanded)
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## Supported Projects

YILMAZ E., TUBITAK Project, Dünyada Yogun Kullanılan Bazı İlaç Etkin Maddelerinin Antarktika Horseshoe Adası ve Çevresindeki Su, Dip-Kıyı Sedimentleri ve Balık Örneklerinde İzlenmesi için Yeni Nesil Ekstraksiyon Yöntemleri ile Ayırma-Zenginleştirme ve Kromatografik Tayin Basamaklarını İçeren Yüksek Duyarlılıkta Analitik Yöntemlerin Gelistirilmesi, Continues

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H-Index (Scopus): 41

## Scholarships

Üstün başarı bursu, Foundation, 2007 - Continues

## Awards

YILMAZ E., KTÜ-TTO 2017 DÜŞÜNEN GERÇEĞİNE PROJE PAZARI EN İYİ PROJE ÖDÜLÜ, Karadeniz Teknik Üniversitesi, June 2017

YILMAZ E., YILIN GİRİŞİMCİ AKADEMİSYENİ ÖDÜLÜ, GİRİŞİMCİ İŞ ADAMLARI VAKFI, February 2017

YILMAZ E., EN İYİ PROJE ÜÇÜNCÜLÜĞÜ ÖDÜLÜ, TÜRKİYE İHRACATÇILAR MECLİSİ KİMYA PROJE PAZARI, November 2016

YILMAZ E., AKILLI ÇÖZÜCÜ SİSTEMLERİNİN GELİŞTİRİLMESİ VE BU ÇÖZÜCÜLERİN ENDÜSTRİYEL ÖLÇEKTE KULLANILMASI, İzmir yüksek teknoloji enstitüsü ne üretelim proje yarışması en iyi proje ödülü, August 2016

## Non Academic Experience

King Saud University