

## Prof. MUSTAFA SOYLAK

### Personal Information

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ScopusID: 7006488616

Yoksis Researcher ID: 2013

### Education Information

Doctorate, Erciyes University, Fen Bilimleri , Kimya, Turkey 1990 - 1993

Postgraduate, Erciyes University, Fen Bilimleri , Kimya, Turkey 1988 - 1990

Undergraduate, Erciyes University, Fen-Edebiyat Fakültesi, Kimya, Turkey 1984 - 1988

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, KAYSERİ VE ÇEVRESİNDEKİ ŞİFALI SULARIN KİMYASAL İNCELENMESİ VE TUNGSTEN TAYİNİ İÇİN YENİ BİR YAKLASIM, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 1993

Postgraduate, KAYSERİ ÇİVARINDAKİ AKARSULARIN ANORGANİK KİRLİLİK AÇISINDAN İNCELENMESİ, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 1990

### Research Areas

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

### Academic Titles / Tasks

Professor, Erciyes University, Fen Fakültesi, Kimya, 2003 - Continues

Associate Professor, Erciyes University, Fen Fakültesi, Kimya, 1997 - 2003

Assistant Professor, Erciyes University, Fen Fakültesi, Kimya, 1995 - 1997

### Academic and Administrative Experience

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

- I. **Eco-friendly synthesis of CuO/g-C<sub>3</sub>N<sub>4</sub>/Fe<sub>3</sub>O<sub>4</sub> nanocomposites for efficient magnetic micro-solid phase extraction (M- $\mu$ -SPE) of trace cadmium from food and water samples**  
Ahmed H. E. H., Gy N., SOYLAK M.  
Food Chemistry, vol.470, 2025 (SCI-Expanded)
- II. **Activated carbon cloth with MnCoAl layer double hydroxide nanocomposite for the separation and preconcentration of Pb(II) and Ni(II) from food samples**  
Arain M. B., SOYLAK M.  
Food Chemistry, vol.468, 2025 (SCI-Expanded)
- III. **Deep eutectic solvent-based ferrofluids: Synthesis strategies, characteristics, and applications for trace analytes extraction**  
SALAMAT Q., Brando J. P. C., de Freitas Santos Junior A., SOYLAK M.  
TrAC - Trends in Analytical Chemistry, vol.184, 2025 (SCI-Expanded)
- IV. **A facile adsorbent using graphitic carbon nitride with silver and nickel (Ag/Ni@g-C<sub>3</sub>N<sub>4</sub> nanocomposites) for Pb(II) extraction**  
Arain M. B., Niaz A., SOYLAK M.  
Journal of Food Composition and Analysis, vol.139, 2025 (SCI-Expanded)
- V. **Switchable solvent-based liquid phase microextraction of Sudan dyes in food and water samples with HPLC-DAD**  
Ahmed H. E. H., GMŞ Z. P., SOYLAK M.  
Journal of Food Composition and Analysis, vol.139, 2025 (SCI-Expanded)
- VI. **Separation and enrichment of Cd and Pb from food and water samples based on a graphene oxide-decorated poly 2-diethylaminoethyl methacrylate nanocomposite by dispersive micro-solid phase extraction (d- $\mu$ -SPE)**  
Ahmed H. E. H., Aliyev E., Alosmanov R., SOYLAK M.  
Food Chemistry, vol.465, 2025 (SCI-Expanded)
- VII. **Octylamine-oxalic acid (Oct-Oxa) deep eutectic solvent for the separation of Sudan II from food samples**  
SOYLAK M., Ahmed H. E. H., Konneh M.  
Food Chemistry, vol.464, 2025 (SCI-Expanded)
- VIII. **Synthesis of magnetic multi-walled carbon nanotubes with layered double hydroxide (M-MWCNTs@MnAl-LDH) nanocomposite as an adsorbent for lead extraction**  
Arain M. B., SOYLAK M.  
Food Chemistry, vol.463, 2025 (SCI-Expanded)
- IX. **Green sample preparation techniques for trace analysis of organic species in cosmetic and Personal Care Products**  
SALAMAT Q., zen M. B., SOYLAK M.  
Microchemical Journal, vol.208, 2025 (SCI-Expanded)
- X. **Recent developments and applications of artificial intelligence in solid/liquid extraction studies**  
SALAMAT Q., GMŞ Z. P., SOYLAK M.  
TrAC - Trends in Analytical Chemistry, vol.182, 2025 (SCI-Expanded)
- XI. **Manganese oxide-doped graphitic carbon nitride-based 2D material as nanozyme for the colorimetric sensing of ascorbic acid**  
Ullah R., SOYLAK M., Asad M., Khan M., Shah M., Khan N., Muhammad N., Ullah R., Ibrahim M. A., Sun W., et al.  
Sensors and Actuators A: Physical, vol.380, 2024 (SCI-Expanded)
- XII. **Green electrochemical sensor for selective determination of anticancer drug Ribociclib based on**

**banana peel activated carbon/CuCoFe-MOF/CoFe<sub>2</sub>O<sub>4</sub> modified carbon paste electrode in pharmaceutical and biological samples**

Bouali W., ERK N., Genc A. A., SALAMAT Q., SOYLAK M.

Microchemical Journal, vol.207, 2024 (SCI-Expanded)

- XIII. **Synthesis of a bimetal-organic framework-cobalt oxide nanoflowers (Ni/Co-MOF@Co<sub>3</sub>O<sub>4</sub> NFs) for sensitive tebuconazole extraction from fruit juice and water samples using micro-solid phase extraction-HPLC-DAD**  
Elzain Hassan Ahmed H., SOYLAK M.  
Microchemical Journal, vol.207, 2024 (SCI-Expanded)
- XIV. **Magnetic dispersive solid phase microextraction of cadmium on Fe<sub>3</sub>O<sub>4</sub>@MIL-53-(Fe)@Ti<sub>3</sub>AlC<sub>2</sub> from edible offal and water samples**  
Uzcan F., Soylak M.  
Journal of Food Composition and Analysis, vol.135, 2024 (SCI-Expanded)
- XV. **Deep eutectic solvent-based sonication assisted dispersive liquid-liquid microextraction using Box-Behnken optimization for the determination of patent blue V in food and drug samples**  
Demir A., FESLİYAN S., ALTUNAY N., Soylak M.  
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.135, 2024 (SCI-Expanded)
- XVI. **Integrating Mo<sub>2</sub>C/C as cocatalyst into S-scheme Mo<sub>2</sub>C/C/Co<sub>0.5</sub>Cd<sub>0.5</sub>S heterojunction with spatial photocarrier separation for photocatalytic synergistic H<sub>2</sub> evolution**  
Güy N., Atacan K., Göktaş O., SOYLAK M.  
Renewable Energy, vol.234, 2024 (SCI-Expanded)
- XVII. **Exploring the potential of carbon quantum dots (CQDs) as an advanced nanomaterial for effective sensing and extraction of toxic pollutants**  
Hassan Ahmed H. E., SOYLAK M.  
TrAC - Trends in Analytical Chemistry, vol.180, 2024 (SCI-Expanded)
- XVIII. **The usability of green deep eutectic solvents in hollow fiber Liquid-Phase microextraction for the simultaneous extraction of analytes of different Natures: A comprehensive study**  
SOYLAK M., SALAMAT Q., Sajjad S.  
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.319, 2024 (SCI-Expanded)
- XIX. **Dispersive-solid phase extraction of diniconazole from water and fruit juice samples using MnCoCu-LDHs@MOF-235 nanocomposite**  
SALAMAT Q., Elzain Hassan Ahmed H., GÜMÜŞ Z. P., SOYLAK M.  
Microchemical Journal, vol.205, 2024 (SCI-Expanded)
- XX. **A novel magnetized bio-solid phase extractor for the preconcentrations of Hg(II), Ni(II) and Zn(II) from foods**  
Yalçın M. S., Özdemir S., Kılınç E., SOYLAK M.  
Journal of Food Composition and Analysis, vol.134, 2024 (SCI-Expanded)
- XXI. **Reduced graphene oxide decorated NiCo<sub>2</sub>(OH)<sub>6</sub> nanoflowers for vortexed assisted dispersive  $\mu$ -solid-phase extraction of organophosphorus pesticides in baby food cereal, rice and wheat flour**  
Shirani M., Poor M. A., ÖZALP Ö., Ghaffari M., SOYLAK M.  
JOURNAL OF CHROMATOGRAPHY A, vol.1733, 2024 (SCI-Expanded)
- XXII. **Modified and hyphenated electromembrane extraction techniques and their applications for food analysis**  
Khan W. A., Varanusupakul P., Arain M. B., Niaz A., Pedersen-Bjergaard S., SOYLAK M.  
TrAC - Trends in Analytical Chemistry, vol.178, 2024 (SCI-Expanded)
- XXIII. **Glassy carbon electrodes modified with graphitic carbon nitride nanosheets and CoNiO<sub>2</sub> bimetallic oxide nanoparticles as electrochemical sensor for Sunitinib detection in human fluid matrices and pharmaceutical samples**  
Kholafazadehastamal G., ERK N., Genc A. A., Erbas Z., SOYLAK M.  
Microchimica Acta, vol.191, no.9, 2024 (SCI-Expanded)
- XXIV. **Metal-organic framework nanosheets (MONs) a breakthrough in separation and pre-concentration**

**technique: A review**

Jagirani M. S., SOYLAK M.

TrAC - Trends in Analytical Chemistry, vol.178, 2024 (SCI-Expanded)

- XXV. **Dispersive micro-solid phase extraction (D- $\mu$ SPE) of nickel on activated nanodiamonds@Bi<sub>2</sub>WO<sub>6</sub> nanocomposite from water and food samples**  
SOYLAK M., Ahmed H. E. H., Goktas O.  
Food Chemistry, vol.450, 2024 (SCI-Expanded)
- XXVI. **Magnetic Rubber@Ni-Co layered double hydroxide derived from ZIF-67 template as nanostructured sorbent; application in determination of anticancer drugs in plasma samples**  
Riazi Bonab H., Abbas Matin A., Heidari H., SOYLAK M.  
Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, vol.1241, 2024 (SCI-Expanded)
- XXVII. **An Ultrasensitive Electrochemical Sensor Using Banana Peel Activated Carbon/NiFe<sub>2</sub>O<sub>4</sub>/MnCoFe-LDH Nanocomposites for Anticancer Drug Determination**  
ERK N., Bouali W., Genc A. A., SALAMAT Q., SOYLAK M.  
ACS Omega, vol.9, no.25, pp.27446-27457, 2024 (SCI-Expanded)
- XXVIII. **Zn-doped MoO<sub>3</sub> nanorods for dispersive solid phase extraction of trace Pb(II) from water and food samples**  
UZCAN F., Kori A. H., SOYLAK M.  
Journal of Food Composition and Analysis, vol.130, 2024 (SCI-Expanded)
- XXIX. **Supramolecular solvent-based liquid-liquid microextraction (SUPRAS-LLME) of Sudan dyes from food and water samples with HPLC**  
Ahmed H. E. H., Kori A. H., GÜMÜŞ Z. P., SOYLAK M.  
Microchemical Journal, vol.201, 2024 (SCI-Expanded)
- XXX. **Micro solid phase extraction of lead and cadmium using functionalized nanodiamonds@CuAl<sub>2</sub>O<sub>4</sub>@HKUST-1 nanocomposite for FAAS analysis in food and water samples**  
SOYLAK M., Çoban A. N., Ahmed H. E. H.  
Food Chemistry, vol.442, 2024 (SCI-Expanded)
- XXXI. **MWCNT@TiSiO<sub>4</sub> nanocomposite for dispersive solid phase extraction of traces cadmium in food and environmental samples**  
SOYLAK M., Mohammed A. M. A., Ahmed H. E. H.  
Journal of Food Composition and Analysis, vol.130, 2024 (SCI-Expanded)
- XXXII. **Green sorbents for the solid phase extraction of trace species**  
Jagirani M. S., SOYLAK M.  
Current Opinion in Green and Sustainable Chemistry, vol.47, 2024 (SCI-Expanded)
- XXXIII. **Electrochemical Detection of Melphalan in Biological Fluids Using a g-C<sub>3</sub>N<sub>4</sub>@ND-COOH@MoSe<sub>2</sub> Modified Electrode Complemented by Molecular Docking Studies with Cellular Tumor Antigen P53**  
ERK N., KURTAY G., Bouali W., Sakal Z. G., Genç A. A., Erbaş Z., SOYLAK M.  
ACS Omega, vol.9, no.19, pp.21058-21070, 2024 (SCI-Expanded)
- XXXIV. **Sensitive determination of iodide at graphitic carbon nitride-chitosan composite modified screen-printed electrode in urine and salt using cathodic stripping voltammetry**  
Niaz A., Balal Arain M., SOYLAK M.  
Microchemical Journal, vol.200, 2024 (SCI-Expanded)
- XXXV. **Micro-solid phase extraction of lead (II) on ionic liquid impregnated Sepabeads SP70 resin (IL-SP70) in water and food samples**  
Duman S., Soylak M.  
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.129, pp.106099, 2024 (SCI-Expanded)
- XXXVI. **Activated nanodiamonds (AND)-MIL-125 (Ti) (AND@MIL-125) nanocomposite for the micro-solid phase extraction of cadmium and lead from water and food samples**  
Kori A. H., Ahmed H. E. H., SOYLAK M.  
Journal of the Iranian Chemical Society, vol.21, no.5, pp.1269-1281, 2024 (SCI-Expanded)

- XXXVII. **Functionalized nanodiamonds with NiCoFe layered double hydroxides used as a novel adsorbent in dispersive solid phase microextraction for Pb(II) determination in juice samples**  
Balal Arain M., Elzain Hassan Ahmed H., SOYLAK M.  
Microchemical Journal, vol.199, 2024 (SCI-Expanded)
- XXXVIII. **Novel magnetic deep eutectic solvent/Zn-MOF composite for extraction of Carmoisine from water and food samples**  
SALAMAT Q., SOYLAK M.  
Journal of Food Composition and Analysis, vol.128, 2024 (SCI-Expanded)
- XXXIX. **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)
- XL. **Maximizing detection sensitivity of levofloxacin and tryptophan in dairy products: a carbon-based electrochemical sensor incorporating Ti<sub>3</sub>AlC<sub>2</sub> MAX phase and activated nanodiamonds**  
Kholafazadehastamal G., KHAN M., SOYLAK M., ERK N.  
Carbon Letters, vol.34, no.3, pp.929-940, 2024 (SCI-Expanded)
- XLI. **A MWCNTs@CuAl<sub>2</sub>O<sub>4</sub>@SiO<sub>2</sub> Nanocomposite for the Speciation of Cr(III), Cr(VI), and Total Chromium Prior to High-Resolution Continuum Source Flame Atomic Absorption Spectrometric Determination**  
Ahmed H. E. H., SOYLAK M.  
Water, Air, and Soil Pollution, vol.235, no.4, 2024 (SCI-Expanded)
- XLII. **Construction and mechanism insights of a novel all-solid-state Z-scheme Mo<sub>2</sub>C/C/BiOI heterojunction for boosted photocatalytic degradation and reduction efficiency**  
Güy N., Göktaş O., SOYLAK M.  
Materials Science in Semiconductor Processing, vol.172, 2024 (SCI-Expanded)
- XLIII. **Assessment of metal contents from halal-certified cosmetics by using inductively coupled plasma-mass spectrometry (ICP-MS)**  
Gürmen K., Şahin U., Soylak M.  
Optical and Quantum Electronics, vol.56, no.3, 2024 (SCI-Expanded)
- XLIV. **Novel reusable and switchable deep eutectic solvent for extraction and determination of curcumin in water and food samples**  
SALAMAT Q., SOYLAK M.  
Talanta, vol.269, 2024 (SCI-Expanded)
- XLV. **Inductively coupled plasma-mass spectrometry (ICP-MS) detection of trace metal contents of children cosmetics**  
KÖPRÜ S., SOYLAK M.  
Optical and Quantum Electronics, vol.56, no.3, 2024 (SCI-Expanded)
- XLVI. **An environmentally friendly hydrophobic deep eutectic solvent dispersive liquid liquid microextraction for spectrophotometric analysis of indigo carmine (E132)**  
Kizil N., Erkmek Erbilgin D., Yola M. L., SOYLAK M.  
Optical and Quantum Electronics, vol.56, no.3, 2024 (SCI-Expanded)
- XLVII. **Magnetic covalent organic frameworks-based adsorbents in solid phase extraction of trace analytes in environmental samples**  
SALAMAT Q., SOYLAK M.  
Trends in Environmental Analytical Chemistry, vol.41, 2024 (SCI-Expanded)
- XLVIII. **MnCoFe-LDH/Ni-MOF nanocomposite-coated hollow fiber membrane for solid phase extraction of amaranth dye from water and food samples followed by spectrophotometric analysis**  
SALAMAT Q., SOYLAK M.  
Journal of Molecular Liquids, vol.396, 2024 (SCI-Expanded)
- XLIX. **Supramolecular Solvent-Based Liquid-Liquid Microextraction and Preconcentration of Rhodamine B, Methyl Violet, and Eriochrome Black T in Water, Cosmetics, and Food with Spectrophotometric**

## Quantification

Rafique Khattak S., Badshah A., Asghar B., Sun W., Ullah R., Iqbal Z., Nishan U., Khan M., SOYLAK M.  
Analytical Letters, 2024 (SCI-Expanded)

- L. **Green Liquid-Phase Microextraction Using Nonanoic Acid as a Novel Extractant for the Spectrophotometric Determination of Rhodamine B in Cosmetics**  
SOYLAK M., Zorlu T., UZCAN F.  
Analytical Letters, 2024 (SCI-Expanded)
- LI. **Sample Preparation Methods for Metal Containing Pesticides in Food and Environmental Samples**  
ÖZALP Ö., UZCAN F., Gumus Z. P., SOYLAK M.  
CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY, vol.54, no.5, pp.1109-1120, 2024 (SCI-Expanded)
- LII. **Determination of Atrazine in Food, Water, and Synthetic Urine by Activated Carbon Cloth (ACC) Micro-Solid-Phase Extraction ( $\mu$ SPE) with High-Performance Liquid Chromatography–Diode Array Detection (HPLC-DAD)**  
Ahmed H. E. H., GÜMÜŞ Z. P., SOYLAK M.  
Analytical Letters, vol.57, no.5, pp.681-693, 2024 (SCI-Expanded)
- LIII. **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)
- LIV. **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)
- LV. **Speciation of Chromium by Magnetic Solid Phase Microextraction Using an Activated Charcoal-Molybdenum (IV) Selenide-Magnetite Composite with Flame Atomic Absorption Spectrometric (FAAS) Detection**  
Erbas Z., ÖZALP Ö., Matin A. A., SOYLAK M.  
Analytical Letters, vol.57, no.16, pp.2727-2744, 2024 (SCI-Expanded)
- LVI. **Coprecipitation of Trace Propineb in Water and Food with Separation-Preconcentration Using Cu(II)-8-Hydroxyquinoline (8HQ) Precipitate**  
SOYLAK M., Ahmed H. E. H., ÖZALP Ö.  
Analytical Letters, vol.57, no.14, pp.2331-2342, 2024 (SCI-Expanded)
- LVII. **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)
- LVIII. **A New Micro-Solid Phase Extraction Using ZnMnAl LDH Nano-Sorbent for Cu and Ni Determination in Natural Water and Soil**  
Ahmed H. E. H., Seddigi Z. S., SOYLAK M.  
Atomic Spectroscopy, vol.45, no.1, pp.44-55, 2024 (SCI-Expanded)
- LIX. **Cloud Point Microextraction Prior to Flame-Atomic Absorption Spectrometry for the Determination of Zinc Ethylene-1,2-Bisdithiocarbamate (Zineb) in Food and Environmental Samples**  
Al-Nidawi M., ÖZALP Ö., Alshana U., SOYLAK M.  
Analytical Letters, vol.57, no.8, pp.1313-1324, 2024 (SCI-Expanded)
- LX. **Magnetic Adsorbent Decorated with Poly(N-Isopropylacrylamide) (PNIPAM) Brushes for the Vortex-Assisted Solid Phase Extraction (VASPE) of Lead in Water, Cigarettes and Soil with High-Resolution Continuum Source Flame Atomic Absorption Spectrometry (HR-CS FAAS) Detection**  
KHAN M., Alosmanov R., Wolski K., Zapotoczny S., SOYLAK M.  
Analytical Letters, vol.57, no.3, pp.327-341, 2024 (SCI-Expanded)

- LXI. **Activated Graphite@Nickel Oxide Nanoflowers for the Dispersive Solid-Phase Microextraction (DSPE) of Copper(II) from Water and Food**  
SOYLAK M., Mohammed A. M. A., ÖZALP Ö.  
Analytical Letters, 2024 (SCI-Expanded)
- LXII. **Using Fe<sub>3</sub>O<sub>4</sub>-graphene oxide-modified chitosan with melamine magnetic nanocomposite in the removal and magnetic dispersive solid-phase microextraction of Cr (VI) ion in aquatic samples**  
Bagheri V., Naseri A., Sajedi-Amin S., SOYLAK M., Zhang Z.  
Chemical Papers, vol.78, no.1, pp.381-396, 2024 (SCI-Expanded)
- LXIII. **Switchable-Hydrophilicity Solvent Liquid-Liquid Microextraction Prior to Spectrophotometric Determination of Sudan I Dye in Spices**  
Al-Nidawi M., UZCAN F., Alshana U., SOYLAK M.  
Analytical Letters, vol.57, no.2, pp.202-212, 2024 (SCI-Expanded)
- LXIV. **Sensitive and Fast Simultaneous Voltammetric Determination of Dopamine and Uric Acid Using Simple Screen-Printed Carbon Electrode Without Pretreatment and Modification**  
Niaz A., Arain M. B., SOYLAK M.  
Electroanalysis, 2024 (SCI-Expanded)
- LXV. **Layered Double Hydroxides (LDHs) for the Treatment and Determination of Pollutants in Water and Wastewater**  
GÜMÜŞ Z. P., Erbas Z., SOYLAK M.  
Analytical Letters, vol.57, no.10, pp.1646-1665, 2024 (SCI-Expanded)
- LXVI. **Fe<sub>3</sub>O<sub>4</sub>-SiO<sub>2</sub>-MIL-53 (Fe) nanocomposite for magnetic dispersive micro-solid phase extraction of cadmium (II) at trace levels prior to HR-CS-FAAS detection**  
SOYLAK M., UZCAN F., Goktas O., GÜMÜŞ Z. P.  
Food Chemistry, vol.429, 2023 (SCI-Expanded)
- LXVII. **A new and powerful electrochemical sensing platform based on MWCNTs@Fe<sub>3</sub>O<sub>4</sub>@CuAl<sub>2</sub>O<sub>4</sub> for the determination of the anticancer agent Alpelisib in bulk and biological fluids**  
Bouali W., ERK N., Genc A. A., AHMED H. E. H., SOYLAK M.  
Microchemical Journal, vol.195, 2023 (SCI-Expanded)
- LXVIII. **A magnetic solid phase extraction procedure for Pb(II) at trace levels on magnetic Luffa@TiO<sub>2</sub> in food and water samples**  
Ahmed H. E. H., Mohammed A. M. A., SOYLAK M.  
Food Chemistry, vol.428, 2023 (SCI-Expanded)
- LXIX. **Application of lysine imprinted polymer as carbon dioxide colorimetric indicators for food packaging**  
Tabar P., Hashemi-Moghaddam H., Baghaie H., SOYLAK M.  
Journal of Food Measurement and Characterization, vol.17, no.6, pp.6405-6412, 2023 (SCI-Expanded)
- LXX. **Nanodiamond (ND)-Based ND@CuAl<sub>2</sub>O<sub>4</sub>@Fe<sub>3</sub>O<sub>4</sub> electrochemical sensor for Tofacitinib detection: A unified approach to integrate experimental data with DFT and molecular docking**  
Bouali W., KURTAY G., Genç A. A., Ahmed H. E. H., SOYLAK M., ERK N., Karimi-Maleh H.  
Environmental Research, vol.238, 2023 (SCI-Expanded)
- LXXI. **Dispersive solid phase microextraction (DSP- $\mu$ E) by using nanodiamond@Bi<sub>2</sub>MoO<sub>6</sub> composite for the separation-preconcentration of Pb(II) in food and water samples**  
Balal Arain M., Elzain Hassan Ahmed H., SOYLAK M.  
Microchemical Journal, vol.195, 2023 (SCI-Expanded)
- LXXII. **Effects of soil texture on trace metal concentrations and geochemical fractions in the soil of apple orchards (Çanakkale, NW Turkey)**  
SUNGUR A., Temel E., EVEREST T., SOYLAK M., ÖZCAN H.  
Archives of Agronomy and Soil Science, vol.69, no.13, pp.2677-2691, 2023 (SCI-Expanded)
- LXXIII. **Multi-response optimization of a deep eutectic solvent-based microextraction method for the simultaneous extraction of twenty organochlorine pesticides for monitoring in various water samples**

- Hoseinzadeh A., Heidari H., Abbas Matin A., SOYLAK M.  
Microchemical Journal, vol.194, 2023 (SCI-Expanded)
- LXXIV. **Supramolecular solvent based liquid-liquid microextraction and preconcentration of aluminum in water and biological samples**  
Kori A. H., KHAN M., SOYLAK M.  
Journal of the Iranian Chemical Society, vol.20, no.10, pp.2579-2586, 2023 (SCI-Expanded)
- LXXV. **Metal-organic framework functionalized with deep eutectic solvent for solid-phase extraction of Rhodamine 6G in water and cosmetic products**  
ÖZALP Ö., GÜMÜŞ Z. P., SOYLAK M.  
Journal of Separation Science, vol.46, no.19, 2023 (SCI-Expanded)
- LXXVI. **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.  
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- LXXVII. **BaTiO<sub>3</sub> is a novel adsorbent for solid-phase extraction of copper at trace levels in food and water samples before HR-CS-FAAS detection**  
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SOYLAK M., Altin R.  
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## **SAMPLES BY CLOUD POINT EXTRACTION COUPLED TO UV-VISIBLE SPECTROPHOTOMETRY**

Jalbani N. B., SOYLAK M., Munshi A., Kazi T. G.

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SOYLAK M., KESTANE F., Project Supported by Higher Education Institutions, KATI FAZ MİKROEKSTRAKSİYONU İLE MALAHİT YEŞİLİ BOYAR MADDESİNİN AYRILMASI-ZENGİNLEŞTİRİLMESİ VE SPEKTROFOTOMETRİK TAYİNİ, 2019 - 2020

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SOYLAK M., YILMAZ E., GÖRÜCÜ H. H., Project Supported by Higher Education Institutions, ESER DÜZEYDEKİ FOSFATIN ZENGİNLEŞTİRİLMESİ İÇİN YENİ BİR YAKLAŞIM, 2016 - 2018

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SOYLAK M., KARACA M., Project Supported by Higher Education Institutions, Mikroekstraksiyon-Alevli Atomik Absorpsiyon Spektrometri Kombinasyonu ile Eser Metal Ayrılması-Zenginleştirilmesi, 2014 - 2016

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SOYLAK M., HASERCAN D., Project Supported by Higher Education Institutions, Katı Faz Ekstraksiyonu ile Bazı Metal

İyonlarının Zenginleştirilmesi, 2010 - 2011

SOYLAK M., MURAT İ., Project Supported by Higher Education Institutions, Karbon nanotüpler kullanılarak bazı metal iyonlarının önderleştirilmesi, 2010 - 2011

SOYLAK M., KIZIL N., Project Supported by Higher Education Institutions, ALEVLİ ATOMİK ABSORPSİYON SPEKTROSKOPİSİ İLE BAZI METALLERİN TAYİNLERİ ÖNCESİ BİRLİKTE ÇÖKTÜRME İLE ZENGİNLEŞTİRİLMESİ, 2010 - 2011

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SOYLAK M., BALGÜNEŞ H., Project Supported by Higher Education Institutions, ÇEŞİTLİ ÇEVRESEL ÖRNEKLERDE BULUNAN ESER DÜZEYDEKİ BAZI AĞIR METAL İYONLARININ BİRLİKTE ÇÖKTÜRME YÖNTEMİ İLE ZENGİNLEŞTİRİLMESİ, 2007 - 2008

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SOYLAK M., AYDIN (ARMAĞAN) F., Project Supported by Higher Education Institutions, BİRLİKTE ÇÖKTÜRME VE KATI FAZ ÖZÜTLEMESİ İLE BAZI AĞIR METAL İYONLARININ ZENGİNLEŞTİRİLMELERİ, 2005 - 2006

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SOYLAK M., Project Supported by Higher Education Institutions, BAZI REÇİNELERİN YÜZEYLERİNİN TARAMALI ELEKTRON MİKROSKOPU İLE İNCELENMESİ, 2002 - 2003

## Activities in Scientific Journals

Turkish Journal of Chemistry, Editor, 2015 - Continues

Arabian Journal of Chemistry, Advisory Committee Member, 2014 - Continues

International Journal of Environmental Analytical Chemistry, Publication Committee Member, 2008 - Continues

## Metrics

Publication: 1185

Citation (WoS): 31821

Citation (Scopus): 35144

H-Index (WoS): 98

H-Index (Scopus): 102

## Awards

Soylak M., TÜBİTAK 2020 Temel Bilimler Bilim Ödülü, Tübitak, November 2020

Soylak M., TUBİTAK 2001 Temel Bilimler Teşvik Ödülü, Tubitak, June 2001

## **Non Academic Experience**

Erciyes Üniversitesi

Erciyes Üniversitesi

Erciyes Üniversitesi

Erciyes Üniversitesi