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Education Information

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

Post Graduate, Erciyes Üniversitesi, Fen Fakültesi, Turkey 2010 - 2012

Under Graduate, Karadeniz Teknik Üniversitesi, Fen Fakültesi, Turkey 2004 - 2008

Foreign Languages

English, C1 Advanced

Dissertations

Post Graduate, 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 Üniversitesi, Fen Fakültesi, Kimya , 2009 - 2017

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

- I. **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.
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- II. **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 (Journal Indexed in SCI Expanded)

- III. **Application of magnetic nanomaterials in bioanalysis**
Yilmaz E., Sarp G., Uzcun F., Özalp Ö., Soylak M.
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- IV. **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.
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- V. **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, 2021 (Journal Indexed in SCI)
- VI. **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 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI Expanded)
- VIII. **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 (Journal Indexed in SCI)
- IX. **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 (Journal Indexed in SCI)
- X. **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 (Journal Indexed in SCI)
- XI. **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 (Journal Indexed in SCI Expanded)
- XII. **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.
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- XIII. **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.
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- XIV. **Fabrication and characterization of SiO2@Fe3O4@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 (Journal Indexed in SCI Expanded)
- XV. **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.

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- XVI. **SERS-active hydrophobic substrates fabricated by surface growth of Cu nanostructures**
ŞAKİR M., YILMAZ E., ÖNSES M. S.
MICROCHEMICAL JOURNAL, vol.154, 2020 (Journal Indexed in SCI)
- XVII. **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 (Journal Indexed in SCI Expanded)
- XVIII. **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. , Habila M. A. , YILMAZ E., Alabdulkarem E. A. , SOYLAK M.
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- XIX. **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.
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- XX. **Green synthesis of magnetic carbon nanodot/graphene oxide hybrid material (Fe₃O₄@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 (Journal Indexed in SCI)
- XXI. **Cu₂O-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**
Aydin F., YILMAZ E., Ölmez E., SOYLAK M.
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- XXII. **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., Habila M. A. , Alhenaki B., SOYLAK M., Ahmed A. Y. B. H. , Alabdulkarem E.
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- XXIII. **Synthesis of Ag and TiO₂ modified polycaprolactone electrospun nanofibers (PCL/TiO₂-Ag NFs) as a multifunctional material for SERS, photocatalysis and antibacterial applications**
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- XXIV. **Thiomalic acid/ferric chloride-based deep eutectic solvent for microextraction of chromium in natural water samples prior to FAAS analysis**
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- XXV. **Photocatalytic green fabrication of Au nanoparticles on ZnO nanorods modified membrane as flexible and photocatalytic active reusable SERS substrates**
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- XXVI. **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.
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- XXVII. **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.

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- XXVIII. **Trace determination of vitamin B12 in food samples by using Fe3O4 magnetic particles including multi-walled carbon nanotubes and nanodiamonds**
ULUSOY H. İ. , Güle S., YILMAZ E., SOYLAK M.
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- XXIX. **A hybrid material composed of multiwalled carbon nanotubes and MoSe2 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 (Journal Indexed in SCI)
- XXX. **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 (Journal Indexed in SCI)
- XXXI. **A new amine based microextraction of lead (II) in real water samples using flame atomic absorption spectrometry**
Habiba M. A. , ALOthman Z. A. , YILMAZ E., Alabdulkarem E. A. , SOYLAK M.
MICROCHEMICAL JOURNAL, vol.148, pp.214-219, 2019 (Journal Indexed in SCI)
- XXXII. **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 (Journal Indexed in SCI)
- XXXIII. **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 (Journal Indexed in SCI)
- XXXIV. **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.
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- XXXV. **Application of deep eutectic solvent in ultrasound-assisted emulsification microextraction of quercetin from some fruits and vegetables**
Kanberoğlu G. S. , YILMAZ E., SOYLAK M.
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- XXXVI. **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.
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- XXXVII. **Deep eutectic solvent based liquid phase microextraction of nickel at trace level as its diethyldithiocarbamate chelate from environmental samples**
Erbas Z., SOYLAK M., YILMAZ E., Dogan M.
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- XXXVIII. **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., Habiba M. A. , Ghfar A. A. , Alhenaki B., SOYLAK M., Ahmed A. Y. B. H.
DESALINATION AND WATER TREATMENT, vol.144, pp.166-171, 2019 (Journal Indexed in SCI)
- XXXIX. **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/Fe3O4/SiO2**

ULUSOY H. İ. , YILMAZ E., SOYLAK M.

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- XL. **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.
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- XLII. **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 (Journal Indexed in SCI)
- XLII. **Use of hydrolytic enzymes as green and effective extraction agents for ultrasound assisted-enzyme based hydrolytic water phase microextraction of arsenic in food samples**
YILMAZ E.
TALANTA, vol.189, pp.302-307, 2018 (Journal Indexed in SCI)
- XLIII. **Usage of deep eutectic solvents for the digestion and ultrasound-assisted liquid phase microextraction of copper in liver samples**
Kanberoğlu G. S. , YILMAZ E., SOYLAK M.
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.15, no.10, pp.2307-2314, 2018 (Journal Indexed in SCI)
- XLIV. **A novel and simple deep eutectic solvent based liquid phase microextraction method for rhodamine B in cosmetic products and water samples prior to its spectrophotometric determination**
YILMAZ E., SOYLAK M.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.202, pp.81-86, 2018 (Journal Indexed in SCI)
- XLV. **Synthesis and characterization of Pd nanoparticle-modified magnetic Sm₂O₃-ZrO₂ as effective multifunctional catalyst for reduction of 2-nitrophenol and degradation of organic dyes**
YILMAZ E., TUT Y., TÜRKOĞLU O., SOYLAK M.
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- XLVI. **Nanomaterial's based chromium speciation in environmental samples: A review**
ARAIN M. B. , ALI I., YILMAZ E., SOYLAK M.
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- XLVII. **Dispersive liquid-liquid microextraction of lead(II) as tropaeolin ooo chelates from environmental samples prior to microsampling flame atomic absorption spectrometry**
HABILA M. A. , ALOTHMAN Z. A. , YILMAZ E., Soylak M.
Atomic Spectroscopy, vol.39, no.3, pp.112-117, 2018 (Journal Indexed in SCI)
- XLVIII. **A new magnetic nanodiamond/graphene oxide hybrid (Fe₃O₄@ND@GO) material for pre-concentration and sensitive determination of sildenafil in alleged herbal aphrodisiacs by HPLC-DAD system**
YILMAZ E., Ulusoy H. I. , Demir O., SOYLAK M.
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- XLIX. **Ultrasound-assisted Supramolecular Microextraction of Copper in Water, Food, Hair, and Tobacco Samples Prior to Microsampling Flame Atomic Absorption Spectrometry**
ALOTHMAN Z. A. , HABILA M. A. , YILMAZ E., SOYLAK M.
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- L. **Vortex assisted deep eutectic solvent (DES)-emulsification liquid-liquid microextraction of trace curcumin in food and herbal tea samples**
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- LI. **Exhaled breath condensate magnesium levels of infants with bronchiolitis**

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- LII. **Vortex assisted solid-phase extraction of lead(II) using orthorhombic nanosized Bi₂WO₆ as a sorbent**
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- LIII. **Activated carbon cloth filled pipette tip for solid phase extraction of nickel(II), lead(II), cadmium(II), copper(II) and cobalt(II) as 1,3,4-thiadiazole-2,5-dithiol chelates for ultra-trace detection by FAAS**
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- LIV. **Switchable solvent based liquid phase microextraction of palladium coupled with determination by flame atomic absorption spectrometry**
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- LV. **Trace elements in blood samples of smoker and nonsmoker active pulmonary tuberculosis patients from Jamshoro, Pakistan**
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- LVI. **Multivariate statistical design optimization for ultrasonic-assisted restricted access supramolecular solvent-based liquid phase microextraction of quercetin in food samples**
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- LVII. **Facile and green solvothermal synthesis of palladium nanoparticle-nanodiamond-graphene oxide material with improved bifunctional catalytic properties**
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- LVIII. **One step step hydrothermal synthesis and characterization of moss like MWCNT-Bi₂S₃ nanomaterial for solid phase extraction of copper**
MEMON Z. M. , YILMAZ E., SOYLAK M.
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- LIX. **Innovative, simple and green ultrasound assisted-enzyme based hydrolytic microextraction method for manganese at trace levels in food samples**
YILMAZ E., SOYLAK M.
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- LX. **A magnetic MoS₂-Fe₃O₄ nanocomposite as an effective adsorbent for dispersive solid-phase microextraction of lead(II) and copper(II) prior to their determination by FAAS**
BAGHBAN N., YILMAZ E., SOYLAK M.
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- LXI. **Magnetic Graphene Oxide as an Efficient Adsorbent for the Separation and Preconcentration of Cu(II), Pb(II), and Cd(II) from Environmental Samples**
SOYLAK M., ACAR D., YILMAZ E., EL-KHODARY S. A. , MORSY M., IBRAHIM M.
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- LXII. **1-nitroso-2-naphthol impregnated multiwalled carbon nanotubes (NNMWCNTs) for the separation-enrichment and flame atomic absorption spectrometric detection of copper and lead in hair, water, and food samples**
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- LXIII. **Ligandless switchable solvent based liquid phase microextraction of nickel from food and cigarette**

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- LXIV. **Application of Supramolecular Microextraction and Flame Atomic Absorption Spectrometry for Ultra-trace Determination of Cadmium in Food and Water Samples**
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- LXV. **Nanodiamond/MoS₂ nanorod composite as a novel sorbent for fast and effective vortex-assisted micro solid phase extraction of lead(II) and copper(II) for their flame atomic absorption spectrometric detection**
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- LXVI. **A simple and novel deep eutectic solvent based ultrasound-assisted emulsification liquid phase microextraction method for malachite green in farmed and ornamental aquarium fish water samples**
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- LXVII. **Switchable solvent based green liquid phase microextraction method for cobalt in tobacco and food samples prior to flame atomic absorption spectrometric determination**
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- LXVIII. **Supramolecular solvent microextraction of uranium at trace levels from water and soil samples**
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- LXIX. **Deep eutectic solvent based ultrasonic assisted liquid phase microextraction for the FAAS determination of cobalt**
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- LXX. **Vortex assisted magnetic solid phase extraction of lead(II) and cobalt(II) on silica coated magnetic multiwalled carbon nanotubes impregnated with 1-(2-pyridylazo)-2-naphthol**
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- LXXI. **Ultrasound assisted-deep eutectic solvent based on emulsification liquid phase microextraction combined with microsample injection flame atomic absorption spectrometry for valence speciation of chromium(III/VI) in environmental samples**
YILMAZ E., SOYLAK M.
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- LXXII. **Preparation and characterization of magnetic carboxylated nanodiamonds for vortex-assisted magnetic solid-phase extraction of ziram in food and water samples**
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- LXXIII. **Ultrasonic supramolecular microextraction of nickel (II) as N,N'-Dihydroxy-1,2-cyclohexanedimine chelates from water, tobacco and fertilizer samples before FAAS determination**
ALOTHMAN Z. A. , HABILA M. A. , YILMAZ E., SOYLAK M., ALFADUL S. M.
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- LXXIV. **Supramolecular Solvent-based Microextraction of Copper at Trace Levels Before Determination by Microsampling Flame Atomic Absorption Spectrometry**
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- LXXV. **Combination of dispersive liquid-liquid microextraction and multivariate optimization for separation-enrichment of traces lead by flame atomic absorption spectrometry**
Habila M., YILMAZ E., ALOTHMAN Z., SOYLAK M.

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- LXXVI. **Bovine serum albumin-Cu(II) hybrid nanoflowers: An effective adsorbent for solid phase extraction and slurry sampling flame atomic absorption spectrometric analysis of cadmium and lead in water, hair, food and cigarette samples**
YILMAZ E., ÖÇSOY I., ÖZDEMİR N., SOYLAK M.
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- XXVIII. **Poliakrilamid Modifiye Edilmiş SiO₂/Fe₃O₄/Nanoelmas Hibrit Materyalinin Sentezi, Karakterizasyonu ve Eser Düzeydeki Pb(II) İyonlarının Manyetik Katı Faz Ekstraksiyonunda Kullanılması**
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- XXIX. **B12 VİTAMİNİ'NİN DUYARLI TAYİNİ İÇİN KATI FAZ DESTEK MADDESİ GELİŞTİRİLMESİ**
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XV. Ulusal Spektroskopi Kongresi, Turkey, 17 - 19 May 2017
- XXX. **Maneb'in supramoleküler çözücü sıvı faz mikroekstraksiyonu sonrası spektrofotometrik tayini**
Ağırbaş M., YILMAZ E., SOYLAK M.
XV. Ulusal Spektroskopi Kongresi, Turkey, 17 - 19 May 2017
- XXXI. **Duyarlı Quarcetine analizi için katı faz destek malzemesi geliştirilmesi**
Songül U., YILMAZ E., SOYLAK M.
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- XXXII. **A sensitive and selective deep eutectic solvent based ultrasound-assisted liquid phase microextraction of cadmium and copper**
Menghwar P., YILMAZ E., Tufail S., SOYLAK M.
XV. Ulusal Spektroskopi Kongresi, Turkey, 17 - 19 May 2017
- XXXIII. **Su ve gıda örneklerinde bulunan kadmiyum'xxun ultrasonik titreşim temelli supramoleküler çözücü sıvı faz mikroekstraksiyonu sonrası alevli atomik absorpsiyon spektrometresi ile tayini**
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- XXXIV. **GO-CNT-ZNS hibritinin sentezi, karakterizasyonu ve Rodamin B'xxnin katı faz ekstraksiyonunda kullanımı**
Özdemir S., YILMAZ E., SOYLAK M.
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- XXXV. **The use of MoS₂/CNT/Polyaniline material for microsolid phase extraction of DNA**
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- XXXVI. **Synthesis, Characterization and Catalytic Properties of Carbonanotupe/GrapheneOxide/Polypyrrole/Magnetic Ferrite/ Palladium (CNT/Go/PP/Fe/Pd) Nano CompositeCatalyst**
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Recló M., YILMAZ E., SOYLAK M., Andruch V.
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AYDIN F., YILMAZ E., SOYLAK M.
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YILMAZ E., SOYLAK M.
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- XLVII. Switchable Solvent Based Liquid Phase Microextraction of Cd II at Trace Levels**
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2nd International Turkic World Conference on Chemical Sciences And Technologies (2nd ITWCCST), 26 - 30 October 2016
- XLVIII. (3-Aminopropil) Trietoksi silane Modifiye Edilmiş GO/CNT/FE3O4/SiO2 Nano Hibritinin Sentezi, Karakterizasyonu Ve Eser Metal Zenginleştirilmesinde Kullanımı**
YILMAZ E., AĞIRBAŞ M., SOYLAK M.
IV. Eser Analiz Kongresi, Turkey, 19 - 22 May 2016
- XLIX. NANO Fe3O4-GO-MoS2-SiO2 HİBRİTİNİN SENTEZİ, KARAKTERİZASYONU VE MANYETİK KATI FAZEKSTRAKSİYONUNDA KULLANIMI**
YILMAZ E., ÖZDEMİR B., ÖÇSOY İ., SOYLAK M.
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- L. Manyetik Grafen Oksit Üzerinde Pb(II), Cu(II) VE Cd(II) İyonlarının Katı Faz Ekstraksiyonu**
SOYLAK M., ACAR D., YILMAZ E., ElKhodary S., İBRAHİM M.
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- LI. Marketlerde Satılan Çeşitli Granola Örneklerinin Ağır Metal Düzeyleri**
DURAN A., YILMAZ E., SOYLAK M.
IV. Eser Analiz Kongresi, Turkey, 19 - 22 May 2016
- LII. Derin Ötektik Çözücü Esaslı Sıvı Faz Mikroekstraksiyonu İle Malahit Yeşilinin Ayrılması Ve Zenginleştirilmesi**
AYDIN F., YILMAZ E., SOYLAK M.
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- LIII. Nano FE3O4/Nanodiamond/SiO2 Nanokompozitinin Sentezi, Karakterizasyonu ve Pb(II) İyonlarının Manyetik Katı Faz Ekstraksiyonunda Kullanımı**
SAYDAN KANBEROĞLU G., YILMAZ E., SOYLAK M.
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- LIV. Pb(II), Cu(II), Ni(II) VE Cd(II) İyonlarının Trietilen Tetraamin Modifiye Edilmiş Çok Duvarlı Karbon Nanotüp Üzerinde Zenginleştirilmesi**

- ALOTHMAN Z., YILMAZ E., HABILA M., ALSOHAIMI I., ALDAWSARI A., ALHARBI N., SOYLAK M.
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- LIV. **Aktif Karbon Kumaşı Üzerinde DNA Ayrılması Zenginleştirilmesi ve UV-VIS Spektrofotometrik Tayini**
MEMON Z. M. , YILMAZ E., SHAH A., GUL KAZI T., DEVRAJANI B., SOYLAK M.
IV. Eser Analiz Kongresi, Turkey, 19 - 22 May 2016
- LVI. **Çevresel Örneklerde Eser Düzeyde Bulunan Pb(II)' nin Zenginleştirilmesinde Yeni Bir Sıvı Faz Mikroekstraksiyon Yöntemi**
SOYLAK M., ŞAHİN S., YILMAZ E.
IV. Eser Analiz Kongresi, Turkey, 19 - 22 May 2016
- LVII. **Manyetik İnorganik Hibrit Nanokompozit Kullanarak Parasetamol Ve Kafeinin Ayırma Ve Zenginleştirilmesi**
ULUSOY H. İ. , YILMAZ E., SOYLAK M.
IV. Eser Analiz Kongresi, Turkey, 19 - 22 May 2016
- LVIII. **Manyetik Aktif Karbon Kumaşının Flavanoid Zenginleştirilmesi Ve Ayrılmasında Kullanımı**
ARAIN M. B. , YILMAZ E., HODA N., KAZI T. G. , SOYLAK M.
IV. Eser Analiz Kongresi, Turkey, 19 - 22 May 2016
- LIX. **Supramoleküler Çözücü Esaslı Sıvı Faz Mikroekstraksiyon Yöntemi İle Fosfatın Ayrılması, Zenginleştirilmesi Ve Spektrofotometrik Tayini**
SOYLAK M., GÖRÜCÜ H., YILMAZ E.
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- LX. **Vortex assisted magnetic solid phase extraction of lead (II) and cobalt (II) on silica coated magnetic multiwalled carbon nanotubes impregnated with 1-(2-pyridylazo)-2-naphthol**
KHAN M., YILMAZ E., SOYLAK M.
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YILMAZ E., RASİM a., SOYLAK M.
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AYDIN F., YILMAZ E., SOYLAK M.
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YILMAZ E., ÖZDEMİR N., ÖÇSOY İ., SOYLAK M.

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- LXXVII. **Çölyak Hastaları İçin Gluten İçermeyen Gıda Örneklerinde Ağır Metal Analizi**
SOYLAK M., DURAN A., YILMAZ E.
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- LXX. **Protein Inorganic BSA Cu III Hybrid Nanoflowers Biosensor for Detection of Hg II Ions**
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YILMAZ E., SOYLAK M.
XIV. Ulusal Spektroskopi Kongresi, Turkey, 29 - 31 May 2015
- LXXII. **Su ve Toprak Örneklerinde Eser Düzeyde Bulunan Uranyum' un Spektrofotometrik Tayini Öncesi Supramoleküler Çözücü Temelli Mikroekstraksiyonu**
KHAN M., YILMAZ E., SOYLAK M.
XIV. Ulusal Spektroskopi Kongresi, Turkey, 29 - 31 May 2015
- LXXIII. **Eser Düzeydeki Karbaril' in Supramoleküler Çözücü Mikroekstraksiyonu ve Ultra Performans Sıvı Kromatografisi- Kütle Spektrometresi ile Tayini**
ALOTHMAN Z., YILMAZ E., ABDELGHAFAR A., HABILA M., SOYLAK M.
XIV. Ulusal Spektroskopi Kongresi, Turkey, 29 - 31 May 2015
- LXXIV. **Manyetik Allilamin Modifiye Edilmiş Grafen oksit-poli(vinil asetat-co-divinilbenzen) (MGODVB-VB) Üzerinde Bazı Metal İyonlarının Katı Faz Ekstraksiyonu**
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- LXXVI. **Combination of Supramolecular Solvent Ss Microextraction and Ultra Performance Liquid Chromatography Tandem Mass Spectrometry for Preconcentration and Determination of Malathion**
ZEİD a., YILMAZ E., AA a., MUHAMMED h., SOYLAK M.
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- LXXVII. **Flame Atomic Absorption Spectrometric Determination of Lead in Water and Tobacco Samples after Pre concentration by Dispersive Liquid Liquid Micro Extraction**
YILMAZ E., ZEİD a., MUHAMMED h., II w., SOYLAK M.
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- LXXVIII. **Synthesizing and Characterization of Magnetic Graphene Conducting Polymer Composite for Enrichment of Metals**
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- LXXIX. **%45 etanol ve %4 trisodyum sitrat karışımı solüsyon ile tünelli hemodiyaliz kateterlerinin**

kapanması kateter ilişkili enfeksiyonlar ve kateter trombozunun önlenmesinde etkin midir?

Randomize prospektif çalışma

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- LXXX. **Bakır(II) iyonlarının çeşitli ortamlardan mikroekstraksiyonu**
GÖRÜCÜ H., YILMAZ E., SOYLAK M., ŞAHAN E., YILDIRIM İ.
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Görücü H., YILMAZ E., ŞAHAN E., YILDIRIM I., SOYLAK M.
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- LXXXII. **Manyetik nanodiamond' un ziram' ın zenginleştirilmesinde kullanımı**
YILMAZ E., Soylak M.
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- LXXXIII. **Kayısı (Prunus armeniaca) çekirdeklerinden düşük maliyetli aktif karbon üretimi, karakterizasyonu ve atık sulardan metal iyonlarının uzaklaştırılmasında adsorpsiyon performansının incelenmesi**
YILMAZ E., SOYLAK M., GÜNDOĞDU A.
III. Eser Analiz Çalıştayı, Turkey, 15 - 18 May 2014
- LXXXIV. **SUBRAMOLEKÜLER SOLVENT BAZLI MİKRO EKSTRAKSİYON (SUSME) TEKNİĞİ KULLANILARAK Cu(II) İYONUNUN MİKROEKSTRAKSİYONU VE FAAS İLE TAYİNİ**
aydın F., YILMAZ E., SOYLAK M.
III. Eser Analiz Çalıştayı, Tokat, Turkey, 15 - 18 May 2014, pp.80
- LXXXV. **KAYISI (Prunus armeniaca) ÇEKİRDEKLERİNDEN DÜŞÜK MALİYETLİ AKTİF KARBON ÜRETİMİ, KARAKTERİZASYONU VE ATIK SULARDAN METAL İYONLARININ UZAKLAŞTIRILMASINDA ADSORPSİYON PERFORMANSININ İNCELENMESİ**
YILMAZ E., gündoğdu a., SOYLAK M.
III. Eser Analiz Çalıştayı, Tokat, Turkey, 15 - 18 May 2014, pp.79
- LXXXVI. **SU ÖRNEKLERİNDEKİ Pb(II) İYONUNUN KATI FAZ EKSTRAKSİYONU İLE ZENGİNLEŞTİRİLMESİ İÇİN POLİPİROL-ÇOK DUVARLI KARBON NANOTÜP KOMPOZİT SENTEZİ**
ŞAHMETLİOĞLU E., YILMAZ E., AKTAŞ E., SOYLAK M.
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- LXXXVII. **Alevli atomik absorpsiyon spektrometresi ile tayinleri öncesi nikel ve kobaltın dispersive sıvı-svı mikroekstraksiyonu ile ayrılması ve zenginleştirilmesi**
SOYLAK M., KARATEPE A., YILMAZ E., KAMAŞ D.
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- LXXXVIII. **Supramoleküler solvent bazlı mikroekstraksiyon (SUSME) tekniği kullanılarak Cu(II) iyonunun mikroekstraksiyonu ve FAAS ile tayini**
AYDIN F., YILMAZ E., SOYLAK M.
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- LXXXIX. **Cu(II)' nin 3-Hidroksi-4-Metil-2(3H)-tiyazol-5-iyon kompleksleri halinde ters misel mikroekstraksiyonu ile zenginleştirilmesi ve AAS ile miktar tayini**
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Al-othman Z., YILMAZ E., Habila M., soylak M.
III. Eser Analiz Çalıştayı, Tokat, Turkey, 15 - 18 May 2014, pp.128
- XC. **SUPRAMOLEKÜLER ÇÖZÜCÜ MİKROEKSTRAKSİYONU İLE ESER DÜZEYDEKİ BAKIRIN ZENGİNLEŞTİRİLMESİ**
YILMAZ E., Soylak M.
III. Eser Analiz Çalıştayı, Tokat, Turkey, 15 - 18 May 2014, pp.13

- XCII. Cu(II)' NİN 3-HİDROKSİ-4-METİL-2(3H)-TİYAZOLTİYON KOMPLEKSLERİ HALİNDE TERS MİSEL MİKROEKSTRAKSİYONU İLE ÖNZENGİNLEŞTİRİLMESİ VE AAS İLE MİKTAR TAYİNİ**
SOYLAK M., duran A., YILMAZ E.
III. Eser Analiz Çalıştayı, Tokat, Turkey, 15 - 18 May 2014, pp.43
- XCIII. 1-Nitroso-2-Naftol-3,6-Disülfonik asit modifiye edilmiş çok duvarlı karbon nanotüp üzerinde kurşun ve bakırın zenginleştirilmesi ve AAS ile tayini**
ALOTHMAN Z., YILMAZ E., HABILA M., SOYLAK M.
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Jalbani N., YILMAZ E., Rasim A., SOYLAK M.
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SOYLAK M., Karatepe A., YILMAZ E., kamaş D.
III. Eser Analiz Çalıştayı, Tokat, Turkey, 15 - 18 May 2014, pp.71
- XCvII. Supramoleküler çözücü mikroekstraksiyonu ile eser düzeydeki bakırın zenginleştirilmesi**
YILMAZ E., SOYLAK M.
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- XCvIII. Enrichment of lead from water and tobacco samplesby dispersive liquid-liquid microextraction**
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- CII. Çevresel Örneklerde Metallerin Tayinlerinde Yeni Yaklaşımla**
Soylak M., YILMAZ E.
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