

## Assoc. Prof. ERKAN YILMAZ

### Personal Information

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### Education Information

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

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

Undergraduate, Karadeniz Teknik Üniversitesi, 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 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.  
Talanta, vol.230, 2021 (Journal Indexed in SCI)
- 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)

- III. **Application of magnetic nanomaterials in bioanalysis**  
Yılmaz E., Sarp G., Uzcun F., Özalp Ö., Soylak M.  
Talanta, vol.229, 2021 (Journal Indexed in SCI)
- 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.  
Food Chemistry, vol.338, 2021 (Journal Indexed in SCI)
- 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. **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 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)
- VIII. **A new liquid phase microextraction method-based reverse micelle for analysis of dexketoprofen in human plasma by HPLC-DAD**  
YUVALI D., YILMAZ E., NARIN İ.  
Journal of Analytical Science and Technology, vol.11, no.1, 2020 (Journal Indexed in SCI)
- IX. **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., Yılmaz E.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.243, 2020 (Journal Indexed in SCI)
- X. **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)
- XI. **Deep Eutectic Solvent-Based Microextraction of Lead(II) Traces from Water and Aqueous Extracts before FAAS Measurements**  
Habıla M. A. , AlMasoud N., Alomar T. S. , AlOthman Z. A. , YILMAZ E., SOYLAK M.  
MOLECULES, vol.25, no.20, 2020 (Journal Indexed in SCI)
- XII. **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.  
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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.  
Journal of Food Composition and Analysis, vol.90, 2020 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI Expanded)
- XV. **Solid-phase extraction of copper as 1-(2-pyridylazo)-2-naphthol (PAN) chelates on Coprinus atramentaria**

Erbaş Z., Maulana R., YILMAZ E., Özdemir S., Kilinc E., SOYLAK M.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.100, no.9, pp.992-1003, 2020  
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- XVI. **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., Aydın S., Sahin K., Korkmaz I., YUVALI D.  
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- XVII. **SERS-active hydrophobic substrates fabricated by surface growth of Cu nanostructures**  
ŞAKİR M., YILMAZ E., ÖNSES M. S.  
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- XVIII. **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 (Journal Indexed in SCI Expanded)
- XIX. **A novel deep eutectic solvent microextraction procedure for enrichment, separation and atomic absorption spectrometric determination of palladium at ultra-trace levels in environmental samples**  
ALÖthman Z. A. , Habila M. A. , YILMAZ E., Alabdulkarem E. A. , SOYLAK M.  
Measurement: Journal of the International Measurement Confederation, vol.153, 2020 (Journal Indexed in SCI)
- XX. **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 (Journal Indexed in SCI)
- XXI. **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 (Journal Indexed in SCI)
- XXII. **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.  
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- XXIII. **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.  
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- XXIV. **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**  
ALÖthman Z. A. , YILMAZ E., Habila M. A. , Alhenaki B., SOYLAK M., Ahmed A. Y. B. H. , Alabdulkarem E.  
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- XXV. **Thiomalic acid/ferric chloride-based deep eutectic solvent for microextraction of chromium in natural water samples prior to FAAS analysis**  
Habila M. A. , Alabdulkarem E. A. , ALÖthman Z. A. , YILMAZ E., SOYLAK M.  
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- XXVI. **Photocatalytic green fabrication of Au nanoparticles on ZnO nanorods modified membrane as flexible and photocatalytic active reusable SERS substrates**  
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- XXVII. **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 (Journal Indexed in SCI)
- XXVIII. **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 (Journal Indexed in SCI)
- XXIX. **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., Güle S., YILMAZ E., SOYLAK M.  
Analytical Methods, vol.11, no.40, pp.5108-5117, 2019 (Journal Indexed in SCI)
- XXX. **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 (Journal Indexed in SCI)
- XXXI. **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)
- XXXII. **A new amine based microextraction of lead (II) in real water samples using flame atomic absorption spectrometry**  
Habila M. A., ALOthman Z. A., YILMAZ E., Alabdulkarem E. A., SOYLAK M.  
MICROCHEMICAL JOURNAL, vol.148, pp.214-219, 2019 (Journal Indexed in SCI)
- XXXIII. **Magnetic solid-phase extraction of quercetin on magnetic-activated carbon cloth (MACC)**  
Arain M. B., YILMAZ E., HODA N., Kazi T. G., SOYLAK M.  
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- XXXIV. **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.  
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- XXXV. **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 (Journal Indexed in SCI)
- XXXVI. **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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- XXXVII. **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 (Journal Indexed in SCI)
- XXXVIII. **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 (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/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 (Journal Indexed in SCI)

- XL. **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 (Journal Indexed in SCI)
- XLI. **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 (Journal Indexed in SCI)
- 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)
- XLIII. **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)
- XLIV. **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)
- XLV. **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)
- XLVI. **Synthesis and characterization of Pd nanoparticle-modified magnetic Sm<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub> as effective multifunctional catalyst for reduction of 2-nitrophenol and degradation of organic dyes**  
YILMAZ E., TUT Y., TÜRKÖĞLU O., SOYLAK M.  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.15, no.8, pp.1721-1731, 2018 (Journal Indexed in SCI)
- XLVII. **Nanomaterial's based chromium speciation in environmental samples: A review**  
ARAIN M. B. , ALI I., YILMAZ E., SOYLAK M.  
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- XLVIII. **A new magnetic nanodiamond/graphene oxide hybrid (Fe<sub>3</sub>O<sub>4</sub>@ND@GO) material for pre-concentration and sensitive determination of sildenafil in alleged herbal aphrodisiacs by HPLC-DAD system**  
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JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.1084, pp.113-121, 2018 (Journal Indexed in SCI)
- 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.  
ATOMIC SPECTROSCOPY, vol.39, no.3, pp.106-111, 2018 (Journal Indexed in SCI)
- L. **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.

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- LI. **Vortex assisted deep eutectic solvent (DES)-emulsification liquid-liquid microextraction of trace curcumin in food and herbal tea samples**  
Aydm F., YILMAZ E., SOYLAK M.  
FOOD CHEMISTRY, vol.243, pp.442-447, 2018 (Journal Indexed in SCI)
- LII. **Exhaled breath condensate magnesium levels of infants with bronchiolitis**  
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Turkish Journal of Pediatrics, vol.60, pp.535-539, 2018 (Journal Indexed in SCI)
- 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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INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.98, pp.171-181, 2018 (Journal Indexed in SCI)
- LIV. **Vortex assisted solid-phase extraction of lead(II) using orthorhombic nanosized Bi<sub>2</sub>WO<sub>6</sub> as a sorbent**  
BAGHBAN N., YILMAZ E., SOYLAK M.  
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- LV. **Switchable solvent based liquid phase microextraction of palladium coupled with determination by flame atomic absorption spectrometry**  
Reclo M., YILMAZ E., Bazel Y., SOYLAK M.  
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- LVI. **Facile and green solvothermal synthesis of palladium nanoparticle-nanodiamond-graphene oxide material with improved bifunctional catalytic properties**  
YILMAZ E., SOYLAK M.  
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- LVII. **Trace elements in blood samples of smoker and nonsmoker active pulmonary tuberculosis patients from Jamshoro, Pakistan**  
MEMON Z. M. , YILMAZ E., SHAH A. M. , ŞAHİN U., kazi T. G. , DEVRAJANI B. R. , SOYLAK M.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.24, no.34, pp.26513-26520, 2017 (Journal Indexed in SCI)
- LVIII. **Multivariate statistical design optimization for ultrasonic-assisted restricted access supramolecular solvent-based liquid phase microextraction of quercetin in food samples**  
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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. **One step step hydrothermal synthesis and characterization of moss like MWCNT-Bi<sub>2</sub>S<sub>3</sub> nanomaterial for solid phase extraction of copper**  
MEMON Z. M. , YILMAZ E., SOYLAK M.  
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- LXI. **A magnetic MoS<sub>2</sub>-Fe<sub>3</sub>O<sub>4</sub> 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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- LXII. **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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- LXIII. **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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- LXIV. **Ligandless switchable solvent based liquid phase microextraction of nickel from food and cigarette samples prior to its micro-sampling flame atomic absorption spectrometric determination**  
RECLO M., YILMAZ E., SOYLAK M., ANDRUCH V., BAZEL Y.  
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- LXV. **Nanodiamond/MoS<sub>2</sub> 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**  
BAGHBAN N., YILMAZ E., SOYLAK M.  
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- LXVI. **Application of Supramolecular Microextraction and Flame Atomic Absorption Spectrometry for Ultra-trace Determination of Cadmium in Food and Water Samples**  
ALOTHMAN Z. A. , HABILA M. A. , YILMAZ E., SOYLAK M., ALWARTHAN A. A.  
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- LXVII. **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**  
Aydın F., YILMAZ E., SOYLAK M.  
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- LXVIII. **Switchable solvent based green liquid phase microextraction method for cobalt in tobacco and food samples prior to flame atomic absorption spectrometric determination**  
Memon Z. M. , YILMAZ E., SOYLAK M.  
JOURNAL OF MOLECULAR LIQUIDS, vol.229, pp.459-464, 2017 (Journal Indexed in SCI)
- LXIX. **Supramolecular solvent microextraction of uranium at trace levels from water and soil samples**  
KHAN M., YILMAZ E., SOYLAK M.  
TURKISH JOURNAL OF CHEMISTRY, vol.41, no.1, pp.61-69, 2017 (Journal Indexed in SCI)
- 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**  
KHAN M., YILMAZ E., SOYLAK M.  
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- LXXI. **Deep eutectic solvent based ultrasonic assisted liquid phase microextraction for the FAAS determination of cobalt**  
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- LXXII. **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.  
TALANTA, vol.160, pp.680-685, 2016 (Journal Indexed in SCI)
- LXXIII. **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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**Randomize prospektif çalışma**

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