Prof. Mustafa Soylak is working on Environmental Analytical Chemistry, Nanotechnology, Nanomaterials, Nanocomposites, Separation/ Preconcentration Techniques including Solid Phase Extraction, Coprecipitation, Cloud point extraction, membrane filtration, speciation and microextraction of trace organic and inorganic species. Dr. Soylak has an h-index of 114 (Web of science). He has over 785 papers in Web of Science, 8 book chapters and reviews, two textbooks (in Turkish), one textbook on microextraction techniques (Elsevier, 2020). He is Editor-in-Chief of Comprehensive Sampling and Sample Preparation (Elsevier, 2022).

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2023 Publications

696. M. Mehmandoust, M. Soylak, N. Erk, Innovative Molecularly Imprinted Electrochemical Sensor for the Nanomolar Detection of Tenofovir as an Anti-HIV Drug, Talanta, 253, 123991 (2023). https://doi.org/10.1016/j.talanta.2022.123991
697. M. Mehmandoust, N. Erk, M. Naser, M. Soylak, Molecularly Imprinted Polymer Film Loaded on the Metal-organic Famework with Improved Performance Using Stabilized Gold-doped Graphite Carbon Nitride Nanosheets for the Single-Step

Detection of Fenamiphos, Food Chemistry, 404, 134627 (2023). https://doi.org/10.1016/j.foodchem.2022.134627

698. O. Ozalp, M. Soylak, Ag Modified ZnO Nanoflowers for the Dispersive Micro-solid-phase Extraction of Lead(II) from Food and Water Samples prior to Its Detection with High-resolution Continuum Source Flame Atomic Absorption Spectrometry, Talanta, 253, 124082 (2023). https://doi.org/10.1016/j.talanta.2022.124082
699. M. Khan, M. Soylak, Ti3AlC2 Max Phase- Graphene oxide (GO) Nanocomposite for Selective Solid Phase Microextraction of Palladium in Environmental Samples and Medical Appliances Prior to Its Detection with High-Resolution Continuum Source Flame Atomic Absorption Spectrometry (HR-CS-FAAS), Microchemical Journal, 185, 108200 (2023). https://doi.org/10.1016/j.microc.2022.108200
700. M. Soylak, R. Apak, Introductory Note to the Special Issue of "Analytical Letters" for the 3rd International Environmental Chemistry Congress (EnviroChem 2021), Analytical Letters, 56, 405-410 (2023).
701. M. Soylak, A.O. Sevicin, F. Uzcan, Preconcentration of Nickel by Magnetic Solid-phase Extraction (SPE) as the 2-(5-bromo-2-pyridylazo)-5-diethylamino-phenol (PADAP) Chelate Upon Multiwalled Carbon Nanotubes (MWCNTs) with Determination by Flame Atomic Absorption Spectrometry (FAAS), Analytical Letters, 56, 449-463 (2023).
702. O. Ozalp, O. Kaya, M. Soylak, Cloud Point Microextraction of Sudan IV from Food and Cosmetics with Determination by Spectrophotometry, Analytical Letters, 56, 464-475 (2023).
703. S. Duman, M. Soylak, Amine-based Vortex Assisted Liquid-phase Microextraction Procedure for Traces of Tartrazine (E102) in Food and Water Samples, Journal of the Iranian Chemical Society, 20, 69-78 (2023).
704. M. Soylak, H.E.H. Ahmed, M. Khan, Switchable Hydrophilicity Solvent Based Microextraction of Mercury from Water, Fish and Hair Samples before Its Spectrophotometric Detection, Sustainable Chemistry and Pharmacy, 32, 101006 (2023). https://doi.org/10.1016/j.scp.2023.101006
705. K. Gurmen, U. Sahin, E. Yilmaz, M. Soylak, S. Sahan, Determination of Curcumin in Food with Homogenous Liquid-Phase Microextraction Preconcentration and Spectrophotometric Determination, Analytical Letters, 56, 807-815 (2023).
706. H.E.H. Ahmed, O. Ozalp, M. Soylak, Magnetic Solid Phase Extraction of Lead(II) from Food and Water Samples on Magnetic MWCNTs/MgAl2O4/TiO2, Journal of Food Composition and Analysis, 118, 105163 (2023). https://doi.org/10.1016/j.jfca.2023.105163
707. S. Ozdemir, M.S. Yalcin, E. Kilinc, M. Soylak, A Fungal Functionalized Magnetized Solid Phase Extractor for Preconcentrations of Pb(II), Mn(II), and Co(II) from Real Samples, Food Chemistry, 413, 135608 (2023). https://doi.org/10.1016/j.foodchem.2023.135608
708. M. Soylak, H.E.H. Ahmed, F. Uzcan, Determination of Sudan III in Food by Supramolecular Microextraction and Spectrophotometry, Analytical Letters, 56, 997-1006 (2023).

709. O. Ozalp, Z.P. Gumus, M. Soylak, Magnetic Solid-phase Extraction of Atrazine with ACC@NiCo2O4@Fe3O4 Nanocomposite in Spice and Water Samples, Separation Science and Technology, 58, 916-928 (2023).
710. M. Khan, M. Soylak, Deep Eutectic Solvent Based Liquid-liquid Microextraction of Mercury in Water, Hair, and Fish with Spectrophotometric Determination: A Green Protocol, Analytical Letters, 56, 1161-1173 (2023).
711. O. Ozalp, Z.P. Gumus, M. Soylak, MIL-101(Cr) Metal-organic Frameworks based on Deep Eutectic Solvent (ChCl: Urea) for Solid Phase Extraction of Imidacloprid in Tea Infusions and Water Samples, Journal of Molecular Liquids, 378, 121589 (2023). https://doi.org/10.1016/j.molliq.2023.121589
712. M. Mehmandoust, G. Tiris, P. Pourhakkak, N. Erk, M. Soylak, G.S. Kanberoglu, M. Zahmakiran, An Electrochemical Sensing Platform with a Molecularly Imprinted Polymer based on Chitosan-stabilized Metal@metal-organic Frameworks for Topotecan Detection, Microchimica Acta, 190, 142 (2023). https://doi.org/10.1007/s00604-023-05722-1
713. H.E.H. Ahmed, F. Uzcan, M. Soylak, Determination of Trace Sudan I in Spices by Novel, Green Ionic Liquid Based Microextraction with Spectrophotometry, Analytical Letters, 56, 1366-1376 (2023).
714. Z. Erbas, M. Soylak, Determination of Rhodamine B in Water and Cosmetics by Switchable Solvent-based Liquid Phase Microextraction with Spectrophotometric Determination, Instrumentation Science & Technology, 51, 290-302 (2023).
715. M. Mehmandoust, E.E. Erk, M. Soylak, N. Erk, F. Karimi, Metal-organic Framework Based Electrochemical Immunosensor for Label-free Detection of Glial Fibrillary Acidic Protein as a Biomarker, Industrial & Engineering Chemistry Research, 62, 4532-4539 (2023).
716. M. Soylak, O. Ozalp, F. Uzcan, Determination of Trace Ziram in Food by Magnesium Hydroxide Coprecipitation with Indirect Detection by Flame Atomic Absorption Spectrometry (FAAS), Analytical Letters, 56, 1525-1534 (2023).
717. M. Soylak, F. Uzcan, O. Goktas, Ultrasound-assisted Quasi-hydrophobic Deep Eutectic Solvent-based Determination of Trace Rhodamine B in Water and Food Samples; A Simple and Green Approach, Journal of Food Composition and Analysis, 120, 105287 (2023). https://doi.org/10.1016/j.jfca.2023.105287
718. E. Akyol, H.I. Ulusoy, E. Yilmaz, U. Polat, M. Soylak, Application of Magnetic Solid-phase Extraction for Sensitive Determination of Anticancer Drugs in Urine by means of Diamino Benzidine Tetrachlorohydrate Modified Magnetic Nanoparticles, Pharmacological Reports, 75, 456-464 (2023).
719. E. Yilmaz, N. Baghban, M. Soylak, Solid-phase Extraction (SPE) of Salmon Sperm DNA Using a Polyaniline@molybdenum(IV) Sulfide@multiwalled Carbon Nanotubes (MWCNTs) Nanocomposite with Spectrophotometric Detection, Analytical Letters, 56, 1632-1645 (2023).
720. A. Sungur, E. Temel, T. Everest, M. Soylak, H. Ozcan, Effects of Soil Texture on Trace Metal Concentrations and Geochemical Fractions in the Soil of Apple Orchards (Çanakkale, NW Turkey), Archives of Agronomy and Soil Science, 69, 2677-2691 (2023).

721. M. Soylak, I. Ungor, O. Ozalp, Magnetic Solid-phase Extraction of Nickel(II) as the 2-(5-bromo-2-pyridilazo)-5-(diethylamino)phenol Chelate on Magnetite@methacrylic Ester Copolymer prior to High-resolution - Flame Atomic Absorption Spectrometric Detection, Instrumentation Science & Technology, 51, 447-464 (2023).
722. M.S. Jagirani, Z.P. Gumus, M. Soylak, Covalent Organic Frameworks, a Renewable and Emergent Source for the Separation and Pre-concentration of Trace Species, Microchemical Journal, 191, 108820 (2023). https://doi.org/10.1016/j.microc.2023.108820
723. C. Yengin, Z.P. Gumus, R. Ilktac, A. Elci, M. Soylak, Vortex-assisted Solid Phase Extraction on MIL-101(Cr) of Parabens in Waters and Cosmetics by HPLC-DAD, Journal of the Iranian Chemical Society, 20, 1383-1393 (2023).
724. M. Al-Nidawi, O. Ozalp, U. Alshana, M. Soylak, Synergistic Cloud Point Microextraction prior to Spectrophotometric Determination of Curcumin in Food Samples, Analytical Letters, 56, 1977-1988 (2023).
725. H.E.H. Ahmed, M. Soylak, Magnetic Luffa@metal-organic Frameworks (MOF-199) Nanocomposite for the Solid Phase Microextraction of Some Metal Ions at Trace Levels from Food and Water Samples, Journal of Food Composition and Analysis, 121, 105396 (2023). https://doi.org/10.1016/j.jfca.2023.105396
726. M. Soylak, R. Maulana, Ultrasound Assisted Magnetic Solid Phase Extraction of Copper(II) and Lead(II) in Environmental Samples on Magnetic Activated Carbon Cloth, International Journal of Environmental Analytical Chemistry, 103, 2542-2554 (2023).
727. U. Nishan, I. Ullah, N. Muhammad, S. Afridi, M. Asad, S. Ul Haq, M. Khan, M. Soylak, A. Rahim, Investigation of Silver-doped Iron Oxide Nanostructures Functionalized with Ionic Liquid for Colorimetric Sensing of Hydrogen Peroxide, Arabian Journal for Science and Engineering, 48, 7703-7712 (2023).
728. F. Uzcan, E. Yilmaz, M. Soylak, Development and Factorial Experimental Design Optimization of Deep Eutectic Solvent-based Microextraction of Carmoisine (E122) in Candy and Water Samples, Analytical Letters,56, 2172-2181 (2023).
729. A.H. Kori, F. Uzcan, M. Soylak, BaTiO3 is a Novel Adsorbent for Solid-phase Extraction of Copper at Trace Levels in Food and Water Samples before HR-CS-FAAS Detection, Journal of Food Composition and Analysis, 122, 105474 (2023). https://doi.org/10.1016/j.jfca.2023.105474
730. A.H. Kori, M.S. Jagirani, M. Soylak, Graphene-based Nanomaterials: A Sustainable Substitute for Solid-phase Microextraction (SPME) for Environmental Applications, Analytical Letters, 56, 2385-2400 (2023).
731. O. Ozalp, M. Soylak, Microextraction Methods for the Separation-preconcentration and Determination of Food Dyes: A Minireview, Analytical Letters, 56, 2473-2490 (2023).
732. W. Bouali, N. Erk, O. Ozalp, M. Soylak, Construction of a Novel Sensor based on Activated Nanodiamonds, Zinc Oxide, and Silver Nanoparticles for the Determination of a Selective Inhibitor of Cyclic Quanosine Nonophosphate in Real

Biological and Food Samples, Diamond and Related Materials, 137, 110172 (2023). https://doi.org/10.1016/j.diamond.2023.110172

733. H.E.H. Ahmed, A.M.A. Mohammed, M. Soylak, A Magnetic Solid Phase Extraction Procedure for Pb(II) at Trace Levels on Magnetic Luffa@TiO2 in Food and Water Samples, Food Chemistry, 428, 136794 (2023). https://doi.org/10.1016/j.foodchem.2023.136794
734. M. Soylak, F. Uzcan, O. Goktas, Z.P. Gumus, Fe3O4-SiO2-MIL-53 (Fe) Nanocomposite for Magnetic Dispersive Micro-solid Phase Extraction of Cadmium (II) at Trace Levels prior to HR-CS-FAAS Detection, Food Chemistry, 429, 136855 (2023). https://doi.org/10.1016/j.foodchem.2023.136855
735. S. Duman, M. Soylak Fe-Ni@ACC Nanocomposite for Magnetic Dispersive Micro Solid-phase Extraction of Cu (II) from Food and Hair Samples, Atomic Spectroscopy, 44, 153-159 (2023).
736. F. Uzcan, Z.P. Gumus, M. Soylak, Separation and Preconcentration of Atrazine on Magnetic Multiwalled Carbon Nanotubes before Determination in Food and Water Samples by High-Performance Liquid Chromatography with Diode Array Detection (HPLC-DAD), Analytical Letters, 56, 2738-2748 (2023).
737. H. Hashemi-Moghaddam, O. Ozalp, M. Soylak, A Novel Biosensor based on Molecularly Imprinted Polymer Coated Nanofiber Composite for Uric Acid Analysis in Body Fluids, Materials Today Communications, 36, 106895 (2023). https://doi.org/10.1016/j.mtcomm.2023.106895
738. A. Hoseinzadeh, H. Heidari, A.A. Matin, M. Soylak, 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, Microchemical Journal, 194, 109226 (2023). https://doi.org/10.1016/j.microc.2023.109226
739. A.H. Kori, M. Khan, M. Soylak, Supramolecular Solvent Based Liquid–Liquid Microextraction and Preconcentration of Aluminum in Water and Biological Samples, Journal of the Iranian Chemical Society, 20, 2579-2586 (2023).
740. W. Bouali, G. Kurtay, A.A. Genç, H.E.H. Ahmed, M. Soylak, N. Erk, H. Karimi-Maleh, Nanodiamond (ND)-Based ND@CuAl2O4@Fe3O4 Electrochemical Sensor for Tofacitinib Detection: A Unified Approach to Integrate Experimental Data with DFT and Molecular Docking, Environmental Research, 238, 117166 (2023). https://doi.org/10.1016/j.envres.2023.117166
741. O. Ozalp, Z.P. Gumus, M. Soylak, Metal-organic Framework Functionalized with Deep Eutectic Solvent for Solid phase Extraction of Rhodamine 6G in Water and Cosmetic products, Journal of Separation Science, 46, 2300190 (2023). https://doi.org/10.1002/jssc.202300190
742. W. Bouali, N. Erk, A.A. Genc, H.E.H. Ahmed, M. Soylak, A New and Powerful Electrochemical Sensing Platform based on MWCNTs@Fe3O4@CuAl2O4 for the Determination of the Anticancer Aagent Alpelisib in Bulk and Biological Fluids, Microchemical Journal, 195, 109478 (2023). https://doi.org/10.1016/j.microc.2023.109478

743. F. Aydin, E. Yilmaz, G. Demirkiran, Z. Erbas, M. Vurucuel, M. Soylak, TiO2@ZnO Nanocomposite: Bifunctional Material for Solid Phase Extraction of U(VI) and Th(IV) and Photocatalytic Degradation of Organic Contaminant, Journal of Radioanalytical and Nuclear Chemistry, 332, 3879-3892 (2023).
744. M.B. Arain, H.E.H. Ahmed, M. Soylak, Dispersive Solid Phase Microextraction (DSP-μE) by using Nanodiamond@Bi2MoO6 Composite for the Separation-preconcentration of Pb(II) in Food and Water Samples Microchemical Journal, 195, 109495 (2023). https://doi.org/10.1016/j.microc.2023.109495
745. M.S. Jagirani, M. Soylak, Arsenic Speciation by Using Emerging Sample Preparation Techniques: A Review, Turkish Journal of Chemistry, 47, 991-1006 (2023).
746. N. Edres, I. Buniyat-zadeh, S.M. Turp, M. Soylak, S. Aliyeva, N. Binnetova, N. Guliyeva, S. Mammadayarova, R. Alosmanov, Structural Characterization of Composites Based on Butadiene Rubber and Expanded Perlite, Journal of Composites Science, 7, 487 (2023). https://doi.org/10.3390/jcs7120487
747. P. Tabar, H. Hashemi-Moghaddam, H. Bagaei, M. Soylak, Application of Lysine Imprinted Polymer as Carbon Dioxide Colorimetric Indicators for Food Packaging, Journal of Food Measurement and Characterization, 17, 6405-6412 (2023).
748. M. Soylak, A.H. Kori, H.E.H. Ahmed, MgAl2O4@MoSe2 Nanocomposite for Micro Solid-phase Extraction of Traces Bismuth from Food, Water, and Cosmetic Samples prior to Quantitation by FAAS, Atomic Spectroscopy, 44, 326-335 (2023).

2024 Publications

749. M. Soylak, H.E.H. Ahmed, A.N Coban, Micro-solid Phase Extraction of Cobalt at Trace Levels as 1-nitroso-2-naphthol Chelates on Magnetic Date Palm Fiber-WSe2 (mDPF@WSe2) Nanocomposite from Food, Tobacco, and Water Samples, Journal of Food Composition and Analysis, 125, 105716 (2024). https://doi.org/10.1016/j.jfca.2023.105716
750. N. Kizil, E. Basaran, M.L. Yola, M. Soylak, Deep Eutectic Solvent Dispersive Liquid-liquid Microextraction Methods for the Analysis of Chlorophyll Natural Colorant (E140) via Microwave Assisted Sample Preparation, Microchemical Journal, 196, 109577 (2024). https://doi.org/10.1016/j.microc.2023.109577
751. N. Kizil, B.B. Beydagi, M.L. Yola, M. Soylak, Deep Eutectic Solvent Liquid Phase Microextraction, Powered by Ultrasonic System, for Determination of β-carotene in Food Samples, Journal of Food Composition and Analysis, 125, 105807 (2024). https://doi.org/10.1016/j.jfca.2023.105807
752. A.H. Kori, M. Khan, M. Soylak, Metal Organic Framework Composite (Ti3AlC2 @ZIF-67) for Vortex Assisted Solid Phase Extraction of Lead from Water and Food Samples, Journal of Food Composition and Analysis, 125, 105810 (2024). https://doi.org/10.1016/j.jfca.2023.105810
753. Q. Salamat, M. Soylak, Novel Reusable and Switchable Deep Eutectic Solvent for Extraction and Determination of Curcumin in Water and Food Samples, Talanta, 269, 125401 (2024). https://doi.org/10.1016/j.talanta.2023.125401

754. Q. Salamat, M. Soylak, Magnetic Covalent Organic Frameworks-based Adsorbents in Solid Phase Extraction of Trace Analytes in Environmental Samples, Trends in Environmental Analytical Chemistry, 41, e00222 (2024). https://doi.org/10.1016/j.teac.2023.e00222

755. M.S. Jagirani, M. Soylak, Exploration of the Applications of Micro/nanomotors-based Smart Devices in Solid-phase Extraction Techniques, TRAC Trends in Analytical Chemistry, 170, 117439 (2024). https://doi.org/10.1016/j.trac.2023.117439

756. M. Al-Nidawi, F. Uzcan, U. Alshana, M. Soylak, Switchable-hydrophilicity Solvent Liquid-liquid Microextraction prior to Spectrophotometric Determination of Sudan I Dye in Spices, Analytical Letters, 57, 202-212 (2024).

757. N. Guy, O. Goktas¸ M. Soylak, Construction and Mechanism Insights of a Novel All-solid-state Z-scheme Mo2C/C/BiOI Heterojunction for Boosted Photocatalytic Degradation and Reduction Efficiency, Materials Science in Semiconductor Processing, 172, 108055 (2024). https://doi.org/10.1016/j.mssp.2023.108055

758. M. Khan, R. Alosmanov, K. Wolski, S. Zapotoczny, M. Soylak, Magnetic Adsorbent Decorated with P(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, Analytical Letters, 57, 327-341 (2024).

759. N. Kizil, D.E. Erbilgin, M.L. Yola, M. Soylak, An Environmentally Friendly Hydrophobic Deep Eutectic Solvent Dispersive Liquid Liquid Microextraction for Spectrophotometric Analysis of Indigo Carmine (E132), Optical and Quantum Electronics, 56, 341 (2024). https://doi.org/10.1007/s11082-023-05964-6

760. K. Gurmen, U. Sahin, M. Soylak, Assessment of Metal Contents from Halal-certified Cosmetics by Using Inductively Coupled Plasma-Mass Spectrometry (ICP-MS), Optical and Quantum Electronics, 56, 372 (2024). https://doi.org/10.1007/s11082-023-06169-7

761. Q. Salamat, M. Soylak, 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, Journal of Molecular Liquids, 396, 123987 (2024). https://doi.org/10.1016/j.molliq.2024.123987

762. M.B. Arain, H.E.H. Ahmed, M. Soylak, Functionalized Nanodiamonds with NiCoFe Layered Double Hydroxides Used as a Novel Adsorbent in Dispersive Solid Phase Microextraction for Pb(II) Determination in Juice Samples, Microchemical Journal, 199, 109922 (2024). https://doi.org/10.1016/j.microc.2024.109922

763. M. Soylak, A.N. Coban, H.E.H. Ahmed, Micro Solid Phase Extraction of Lead and Cadmium Using Functionalized Nanodiamonds@CuAl2O4@HKUST-1 Nanocomposite for FAAS Analysis in Food and Water Samples, Food Chemistry, 442, 138426 (2024). https://doi.org/10.1016/j.foodchem.2024.138426

764. S. Kopru, M. Soylak, Inductively Coupled Plasma-mass Spectrometry (ICP-MS) Detection of Trace Metal Contents of Children Cosmetics, Optical and Quantum Electronics, 56, 399 (2024). https://doi.org/10.1007/s11082-023-06166-w

765. Q. Salamat, M. Soylak, Novel Magnetic Deep Eutectic Solvent/Zn-MOF Nanocomposite for Extraction of Carmoisine from Water and Food Samples, Journal of Food Composition and Analysis, 128, 105997 (2024). https://doi.org/10.1016/j.jfca.2024.105997

766. V. Bagheri, A. Naseri, S. Sajedi-Amin, M. Soylak, Z. Zhang, Using Fe3O4-graphene Oxide-modified Chitosan with Melamine Magnetic Nanocomposite in the Removal and Magnetic Dispersive Solid-phase Microextraction of Cr (VI) Ion in Aquatic Samples, Chemical Papers, 78, 381-396 (2024). https://doi.org/10.1007/s11696-023-03096-5

767. H.E.H. Ahmed, Z.P. Gumus, M. Soylak, Determination of Atrazine in Food, Water, and Synthetic Urine by Activated Carbon Cloth (ACC) Micro-solid-phase Extraction (µSPE) with High-performance Liquid Chromatography - Diode Array Detection (HPLC-DAD), Analytical Letters, 57, 681-693 (2024).

768. M. Soylak, B. Aksu, H.E.H. Ahmed, Carboxylated Nanodiamonds@CuAl2O4@TiO2 Nanocomposite for the Dispersive Micro-solid Phase Extraction of Nickel at Trace Levels from Food Samples, Food Chemistry, 445, 138733 (2024). https://doi.org/10.1016/j.foodchem.2024.138733

769. S. Duman, M. Soylak, Micro-solid Phase Extraction of Lead (II) on Ionic Liquid Impregnated Sepabeads SP70 Resin (IL-SP70) in Water and Food Samples, Journal of Food Composition and Analysis, 129, 106099 (2024). https://doi.org/10.1016/j.jfca.2024.106099

770. N. Kizil, D. Erbilgin, E. Basaran, M.L. Yola, E. Yilmaz, S. Marouch, M. Soylak, 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, Analytical Letters, 57, 1182-1196 (2024).

771. S. Duman, E. Yilmaz, M. Soylak, Solid Phase Microextraction of Rhodamine B in Cosmetic Samples Using ZnS@GO@WMCNTs Nanocomposite with Spectrophotometric Detection, Microchemical Journal, 199, 110214 (2024). https://doi.org/10.1016/j.microc.2024.110214

772. G. Giray, S. Gonca, S. Ozdemir, Z. Isik, E. Yılmaz, M. Soylak, N. Dizge, Novel Extracellular Synthesized Silver Nanoparticles Using Thermophilic Anoxybacillus flavithermus and Geobacillus stearothermophilus and their Evaluation as Nanodrugs, Preparative Biochemistry and Biotechnology, 54, 294-306 (2024).

773. H.E.H. Ahmed, Z.S. Seddigi, M. Soylak, A New Micro-Solid Phase Extraction Using ZnMnAl LDH Nano-sorbent for Cu and Ni Determination in Natural Water and Soil, Atomic Spectroscopy,45, 44-55 (2024).

774. M.S. Jagirani, M. Soylak, Green Sorbents for the Solid Phase Extraction of Trace Species, Current Opinion in Green and Sustainable Chemistry, 47, 100899 (2024). https://doi.org/10.1016/j.cogsc.2024.100899

775. H.E.H. Ahmed, M. Soylak, A MWCNTs@CuAl2O4@SiO2 Nanocomposite for the Speciation of Cr(III), Cr(VI) and Total Chromium prior to High-resolution Continuum Source Flame Atomic Absorption Spectrometric Determination, Water

Air and Soil Pollution, 235, 217 (2024). https://doi.org/10.1007/s11270-024-07020-9

776. F. Uzcan, A.H. Kori, M. Soylak, Zn-doped MoO3 Nanorods for Dispersive Solid Phase Extraction of Trace Pb(II) from Water and Food Samples, Journal of Food Composition and Analysis, 130, 106166 (2024). https://doi.org/10.1016/j.jfca.2024.106166

777. M. Al-Nidawi, O. Ozalp, U. Alshana, M. Soylak, Cloud Point Microextraction prior to Flame-atomic Absorption Spectrometry for the Determination of Zinc Ethylene-1,2-bisdithiocarbamate (Zineb) in Food and Environmental Samples, Analytical Letters, 57, 1313-1324 (2024).

778. M. Soylak, A.M.A. Mohammed, H.E.H. Ahmed, MWCNT@TiSiO4 Nanocomposite for Dispersive Solid Phase Extraction of Traces Cadmium in Food and Environmental Samples, Journal of Food Composition and Analysis, 130, 106167 (2024). https://doi.org/10.1016/j.jfca.2024.106167

779. A. Niaz, M.B. Arain, M. Soylak, Sensitive Determination of Iodide at Graphitic Carbon Nitride-chitosan Composite Modified Screen-printed Electrode in Urine and Salt Using Cathodic Stripping Voltammetry, Microchemical Journal, 200, 110430 (2024). https://doi.org/10.1016/j.microc.2024.110430

780. G. Kholafazadehastamal, M. Khan, M. Soylak, N. Erk, Maximizing Detection Sensitivity of Levofloxacin and Tryptophan in Dairy Products: A Carbon-based Electrochemical Sensor Incorporating Ti3AlC2 MAX Phase and Activated Nanodiamonds, Carbon Letters, 34, 929–940 (2024). https://doi.org/10.1007/s42823-023-00611-2

781. Z.P. Gumus, Z. Erbas, M. Soylak, Layered Double Hydroxides (LDHs) for the Treatment and Determination of Pollutants in Water and Wastewater, Analytical Letters, 57, 1646-1655 (2024).

782. M. Soylak, H.E.H. Ahmed, O. Goktas, Dispersive Micro-solid Phase Extraction (D-μSPE) of Nickel on Activated Nanodiamonds@Bi2WO6 Nanocomposite from Water and Food Samples, Food Chemistry, 450, 139351 (2024). https://doi.org/10.1016/j.foodchem.2024.139351

783. A.H. Kori, H.E.H. Ahmed, M. Soylak, 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, Journal of the Iranian Chemical Society, 21, 1269-1281 (2024).

784. H.E.H. Ahmed, A.H. Kori, Z.P. Gumus, M. Soylak, Supramolecular Solvent-based Liquid-liquid Microextraction (SUPRAS-LLME) of Sudan Dyes from Food and Water Samples with HPLC, Microchemical Journal, 201, 110682 (2024). https://doi.org/10.1016/j.microc.2024.110682

785. Q. Salamat, F. Tatardar, R. Moradi, M. Soylak, Recent Advancement and Prospects of Novel Nanomaterial-based Solid-Phase Extraction (SPE) Techniques, Analytical Letters (2024). https://doi.org/10.1080/00032719.2024.2347454