



# Poster Presentation Program

<b>Session A</b> 27 Aug, 2024 15:45-16:45 ٦ شهر یور	<b>Session B</b> 28 Aug, 2024 11:00-12:00 ٧ شهر یور	<b>Session C</b> 28 Aug, 2024 15:45-16:30 ٧ شهر یور	<b>Session D</b> 29 Aug, 2024 11:00-12:00 ٨ شهر یور
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Poster Number	Article code	Title	Presenting Group
1	1009	Heterogeneous photocatalysts as promising materials for sustainable ammonia generation at ambient conditions	A
2	1024	Graphitic carbon nitride-based 3D printed mixed matrix membrane thin film as a novel adsorbent for estrogenic hormone extraction from aqueous samples	A
3	1030	Studying the corrosion inhibition of copper in 3.5% NaCl salt solutions by green Biopolymer	A
4	1040	Sonocatalytic activity of gallium-based layered double hydroxide for treatment of organic polluted water	A
5	1044	Eco-friendly approach for effective extraction and determination of tricyclic antidepressants from biological samples using electrospun modified montmorillonite/PVA nanofibers followed by GC-MS Analysis	A
6	1045	Sono-assisted catalytic activation of peroxydisulfate using Cr-doped CoFe layered double hydroxide for treatment of antibiotic-polluted water	A
7	1046	A review on the green chemistry approach to solve environmental problems- analytical study	A
8	1049	Green Synthesis of Selenium Nanoparticles with Chia Seeds Extract	A
9	1052	Enzymatic Hydrolase Optimization in PET Recycling Process	A
10	1055	Study of Blue Carbon in the Mangrove of Bidkhon, Iran	A
11	1057	Performance of natural clay for safranin removal: study of thermodynamics and kinetics of adsorption	A
12	1058	Environmental risk analysis for a refinery process using Mamdani's fuzzy inference system	A

13	1063	Green Chemistry Education in Scientific Literature: A Systematic Bibliometric Study Over 2000 to 2023 Years	A
14	1066	Extraction and purification of saponins as natural surfactants using a green method	A
15	1067	Green Synthesis and characterization of Nano Cobalt – Metal Organic Frameworks based on BTZ	A
16	1068	Efficient Removal of Arsenic as a Toxic Metal from Aqueous Solutions Using bithiazole Compounds	A
17	1077	Efficient Photodegradation of Azithromycin: A Facile Fabrication of a Nanonet Composite of Cobalt-oxide/Graphitic Carbon Nitride	A
18	1079	Studying the Impact of Reaction Time on the Main Properties of CMC	A
19	1107	Adsorption of As (III) ions by Modified Chitosan with 3, 4-Dihydroxy Benzoyl Groups	A
20	1108	Application of MOF/COF assisted electromembrance extraction technique for extraction trace amounts of drug in biological samples	A
21	1110	Green synthesis of cerium oxide nanoparticles using Cucumber skin extract for cytotoxic and photocatalytic properties	A
22	1113	Multiple-shell amorphous Co/Ni-(PO <sub>4</sub> ) <sub>x</sub> (OH) <sub>y</sub> hollow layered double hydroxide for enhanced adsorption performance of someazole antifungals	A
23	1116	Synthesis of gold nanorods for environmental applications	A
24	1117	Extraction and Trace Analysis of Trihalomethanes in Water Samples Using Zein@Fe <sub>3</sub> O <sub>4</sub> Nanocomposite	A
25	1119	Molecular dynamic simulation insights in the separation of pesticides from water using deep eutectic solvents	A

26	1120	Determination of Ni <sup>2+</sup> at Ultra-trace levels by a Simple and Portable Colorimetric Smartphone-based Sensor	A
27	1123	Fabrication of polyphenol-modified Mo <sub>2</sub> TiAlC <sub>2</sub> /polyethersulfone mixed matrix membrane with improved permeability and antifouling properties	A
28	1127	Evaluation of surface water quality around Urmia city by determining Trihalomethanes levels	A
29	1128	Multi-residue pesticide analysis in some summer crops of greenhouse products	A
30	1131	Synthesis of biochar from municipal sewage sludge and its efficiency on nutrient removal	A
31	1134	Preparation of M-MWCNT nanocomposite for removal of lead (II) ion in industrial wastewater	A
32	1135	Simultaneous removal of lead, cadmium and copper heavy metals from water samples using magnetic nanoparticles modified with zein thin film	A
33	1136	Evaluation of soil pollution to heavy metals as a result of industrial activities around the industrial town of Urmia city	A
34	1148	Eco-friendly and green ultrasonic-assisted extraction of anthocyanins from red basil ( <i>Ocimum basilicum</i> L.) and the study of antioxidant activity	A
35	1157	A DFT study of adsorption properties of CO <sub>2</sub> , SO <sub>2</sub> and NH <sub>3</sub> molecules on N-doped ZnO surface	A
36	1158	Effect of precipitation agent on the performance of alumina for dimethyl ether synthesis via methanol dehydration	A
37	1161	DFT Studies on the Performance of BN Nanocage (B <sub>12</sub> N <sub>12</sub> ) as Adsorbent and Sensor for Fosfomycin	A

38	1165	The effect of encapsulation and decoration Li on heteroborospherene Si <sub>4</sub> B <sub>32</sub> for Hydrogen storage: A DFT study	A
39	1171	Synthesis uniform size of silver oxide nanoflowers from B. licheniformis bacterium and their application in methylene blue degradation	A
40	1172	Response surface optimization of biodiesel production from waste cooking oil using multi-enzyme systems	A
41	1173	Modification of Magnetic Graphene Oxide by Deep Eutectic Solvent for Magnetic Micro Solid Phase Extraction of Pb (II) In Environmental Samples	A
42	1175	Green Tycoon: a tool for entering green chemistry into the curriculum	A
43	1178	A novel voltametric biosensor (CPE/Cu-BTC film) for simultaneous determination of NO <sub>3</sub> <sup>-</sup> and NO <sub>2</sub> <sup>-</sup> in environmental and food samples	A
44	1179	Efficiency of Treatment Plant and Drinking Water Quality Assessment in Al-Suwaira City, Middle of Iraqi	A
45	1186	Can a sugar-based eutectic solvent capture CO and CO <sub>2</sub> ? - Computational perspective	A
46	1187	The Ability of BC <sub>2</sub> N Nanotube to Detect Phosgene Gas: A DFT Study	A
47	1203	Choline chloride -Based Deep Eutectic Solvents as Solvents for Separation Desulfurization: From a perspective of molecular dynamics simulation	A
48	1209	Multivariate Optimization of an Ultrasound-assisted Liquid-phase Microextraction Method Based on a Deep Eutectic Solvent for Extraction of an Angiotensin II Receptor Blocker	A
49	1212	Elimination of Bromo-methanes from water; A DFT approach	A

50	1220	Cleaning up today's world with the principles of green chemistry and teaching it to students	A
51	1223	Green synthesis of silver nanoparticles supported on fuller's earth by Ficus carica leaf extract	A
52	1225	One-step fabrication of fuller's earth magnetic nano-composite for highly efficient dye adsorption	A
53	1226	Degradation of methyl orange over biosynthesized silver nanoparticles supported on fuller's earth	A
54	1228	Efficient removal of methylene blue dye from water using a novel magnetic fuller's earth composite	A
55	1229	Simulation of two-terminal tandem solar cell with perovskite(MAGeI3) top cell layer and RbGeI3 bottom cell layer	A
56	1235	Optimization of activated carbon production from apple pomace ash- Application in the removal of antibiotics from water	A
57	1242	Adsorption behavior of H <sub>2</sub> S molecules on C <sub>64</sub> nanocage :Electronic study via DFT	A
58	1243	Theoretical investigation of the adsorption behaviors of SO <sub>2</sub> molecules on the graphite nanosheets (GNS) : A DFT study	A
59	1249	Separation of monochloroacetic acid from surface water by deep eutectic solvents process: an equilibrium molecular dynamics simulation study	A
60	1267	Probing the Impact of Alkyl Chain Length on Sulfonium-Based Ionic Liquids for Lithium-Ion Batteries	A
61	1268	Synthesis of MoSe <sub>2</sub> nanostructure and its application for modification of ultrafiltration membranes	A
62	1269	Removal of reactive red 195 dye in the presence of silver oxide nanoparticles synthesized from Peganum harmala seed extract	A

63	1271	Photocatalytic degradation of Alizarin Red S dye from aqueous media under visible light using ZIF-8/ g-C <sub>3</sub> N <sub>4</sub> nanocomposite	A
64	1272	Sono-assisted photocatalytic degradation of ciprofloxacin in aquatic media using g C <sub>3</sub> N <sub>4</sub> /MOF-based nanocomposite under visible light irradiation	A
65	1273	A new MOF-based modified adsorbent for the efficient removal of Hg (II) ions from aqueous media: isotherms and kinetics	A
66	1280	Crystal Structures of Complexes of Metal(II) 2-, 3- and 4-Fluorobenzoates Synthesized by Hydrothermal and Solvothermal Methods	A
67	1293	Synthesis and characterization of magnesium aluminate nanoparticles and evaluation of their photocatalytic activity	A
68	1294	Preparation and Characterization of CuAl <sub>2</sub> O <sub>4</sub> Nanoparticles and Their Photocatalytic Activity for Tetracycline Hydrochloride Degradation	A
69	1302	Absorption of pollutant by airborne particles from air using cubic, cone, pyramid, cylinder and spherical snow	A
70	1311	Changing the Fullerene density of states by interaction with the waste water Chloro-Methane	A
71	1312	Separation and Determination of Tramadol using Molecular Imprinted Polymer with Miniaturize Electrochemical Device	A
72	1340	Important factors that affect how to use Zerzmini	A
73	1348	Struggle with environmental challenges for the rehabilitation of Lake Urmia through the special functions of Iran's criminal justice system.	A

74	1351	Removal of organic solvents and oils from rivers, industrial and agricultural wastewater by adsorption using biomass ash source as silica aerogel	A
75	1352	Investigation of electronic and photocatalytic properties of O-terminated MXenes for hydrogen fuel production: a DFT study	A
76	1353	First-principles study of structural, electronic, and optical properties of transition metal doped MXenes for their use in water-splitting process	A
77	1355	Extraction of Valuable Bioactive Components from Hazelnut By-Products Using Green Extraction Methods	A

Poster Number	Article code	Title	Presenting Group
1	1001	Olefinic WasteWater Treatment of Petrochemical Industries by Photocatalytic Process	B



2	1003	Study on removal of perchlorate from groundwater using modified montmorillonite nanoclay	B
3	1011	Improving the performance of ultrafiltration membranes using nitrogen-rich graphitic carbon nitride (g-C <sub>3</sub> N <sub>5</sub> )	B
4	1016	Hydrothermal synthesis of cadmium titanate nanomaterial and its application for modification of ultrafiltration membranes	B
5	1020	Raisins waste derived magnetic activated carbon as an efficient adsorbent for pharmaceutical pollutants removal from aqueous media	B
6	1022	Production of disposable biodegradable containers from watermelon peel	B
7	1025	Application of solvent assisted dispersive solid phase extraction as new strategy for trace detection of triazole fungicides in water, fruit, vegetable, and agricultural soil samples	B
8	1027	Evaluation the effect of nanopolyethylene terephthalate as an important environmental pollutant on MCF-7 Cell line.	B
9	1028	Adsorption of Allura Red from Aqueous Solution onto Zn-Al-NO <sub>3</sub> Layered Double Hydroxide Nanoparticles	B
10	1031	Triazine-based covalent organic framework as an efficient dye adsorbent from aqueous solution	B
11	1032	Multi-response optimization of a deep eutectic solvent-based microextraction method for the simultaneous extraction of twenty organochlorine pesticides for monitoring in various	B
12	1034	Decontamination and solar photodegradation of Clopidogrel as a pharmaceutical pollutant from environmental samples: Synthesized and characterized europium-doped ZnO	B
13	1035	Determination of uranium (VI) as environmental toxic agent in water samples: A	B

		green and sensitive solvent-based microextraction method based on synthesized task-specific	
14	1036	Synthesis, Characterization, and Application of Mg-Zn-Al-NO <sub>3</sub> - LDH for the Removal of 2-Nitrophenol from Wastewater	B
15	1041	Application of zeolitic imidazolate framework-8 (ZIF-8) and carbon-based materials as photocatalysts in water purification and dye degradation	B
16	1047	Preparation and identification of biochar as absorbent	B
17	1048	Wood protection against degradation in aqueous environments using metal oxide nanoparticles	B
18	1072	Analysis of pb(II) in waste water samples after preconcentration with rGO Doped soluble eggshell membrane	B
19	1073	Removal of Sunset Yellow from Aqueous Solutions with GO/Magnetic Iron Oxide Nanoparticles	B
20	1081	Determination of Algal Metabolites (2-Methylisoborneol, Geosmin, IPMP, IBMP) in Urmia lake Based on Oil Droplets Microextraction Method coupled GC-FID	B
21	1082	Investigating the volatile organic compounds produced from biomass and agriculture waste in the water behind the dam as sources of human-made pollutant	B
22	1088	Mixed matrix membrane containing TiO <sub>2</sub> @MOF for CO <sub>2</sub> /N <sub>2</sub> separation study	B
23	1089	Gas separation evaluation of PEBA based membranes influenced by MIL-125 and its amine-functionalized version addition	B
24	1100	Investigating and studying the photocatalytic degradation of Rhodamine B dye in wastewater in the presence of Fe <sub>3</sub> O <sub>4</sub> /Ag <sub>2</sub> CrO <sub>4</sub> Nanophotocatalyst	B

25	1101	The green Knoevenagel condensation :Using chitin as a catalyst	B
26	1103	Preparation, optical, and magnetic properties of ZnFe <sub>2</sub> O <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> nanocomposites for Sunset yellow dye removal from water	B
27	1105	Synthesis and identification of magnetic MOF/ polymer composite to remove organic pollutants from water	B
28	1111	Improving the properties of starch-based hydrogel substrate with activated carbon for Hg <sup>2+</sup> removal in water	B
29	1122	Synthesis of anionic and cationic polyelectrolytes based on tragacanth for wastewater treatment	B
30	1124	Synthesis, Characterization and Investigation of Fluorescence Properties Fe(II) Complex with Thiosemicarbazone-Derived Ligand in Water Solvent	B
31	1132	Applications, importance and green synthesis of indazoles with a view to the improvement strategies in the future	B
32	1133	Application of Monolayers to Reduce Evaporation and Preserve Urmia Lake: An Innovative Approach to Water Conservation	B
33	1140	Using H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> -TiO <sub>2</sub> for the photocatalytic removal of methylene blue dye in water	B
34	1143	Lab-on-a-chip based on electromembrane for extraction of anticancer drugs in biological samples	B
35	1155	The role of non-management of urban effluents in the pollution of water sources (Case study: Kashafrud River)	B
36	1169	Synthesis of covalent triazine framework nanohybrides based on melamine and graphene quantum dots for anionic dye removal from wastewater	B
37	1174	Synthesis of a hydrogel based on tea waste and magnetic graphene oxide and investigation of	B

		its capability for the removal of lead and cadmium ions from aqueous solutions	
38	1176	Synthesis and Characterization of a Novel Poly(sulfone-amide) Membrane with Enhanced Hydrophilicity for Water Desalination Applications	B
39	1180	Investigating the effect of electrical and optical characteristics of argon plasma jet on its performance in the degradation of Rhodamine B dye pollutant	B
40	1182	Fabrication of Carbon inverse opal electrode modified by Fe@Fe <sub>2</sub> O <sub>3</sub> nanoparticles for methylene blue degradation via electro-Fenton process	B
41	1183	Fabrication of ZrO <sub>2</sub> with Inverse Opal Structure and Studying Its Photocatalytic Properties	B
42	1188	Determination of heavy metals in water based on graphenized pencil electrode modified with metal oxide-conductive polymer by differential pulse anodic stripping voltammetry	B
43	1189	Green synthesis of plant-activated carbon to remove heavy metal cations from industrial wastewater	B
44	1190	Recent developments of QuEChERS based techniques on environmental samples analysis, application for determination of some organochlorine pesticides(DDTs) residues in fish from	B
45	1193	A green QuEChERS syringe filter based micro-solid phase extraction using hydrophobic natural deep eutectic solvent as immobilized sorbent for simultaneous analysis of five anti-diabetic drugs by HPLC-UV	B
46	1196	Selective pre-concentration of lead using a magnetic nanosorbent based on nickel ferrite and zeolitic imidazolate framework	B

47	1197	Natural deep eutectic solvent (NDES) as a new generation of co-solvents for fabrication of high-performance and high-fouling resistance reverse osmosis membrane	B
48	1198	Green synthesis of nickel nanoparticles decorated on graphene by chamomile extract	B
49	1200	Rosemary particle as a new green additive to improve polysulfone membrane separation performance in removal of organic pollutants	B
50	1201	Investigating the effect of hesperetin in MCF-7 cells	B
51	1202	Evaluation of machine learning Models for Predicting Sea Surface Temperature Variations with Satellite Data	B
52	1204	Simultaneous voltmmetric determination of dopamine and uric acid using screen printed carbon electrode coated with quercetin functionalized-iron oxide nanoparticles	B
53	1205	Preparing and performance the evaluation of thin film membranes for water treatment by forward osmosis method using polyoxometalates	B
54	1206	Antioxidant activity of hydrazonic schiff base ligand and its cobalt(II) complex	B
55	1210	Synthesis of Pyrazole-Based N,S Donor Ligands with Isothiocyanate Substituents and Investigation of Their Fluorescence Properties	B
56	1215	Evaluation of lead concentration in different brands of commonly consumed spices by graphite furnace atomic absorption spectrometry	B
57	1216	Fabrication of Solid Phase Microextraction Fiber Based on Polyethersulfone/ Zeolite Mixed Matrix Membrane and Its Application in Pesticide Residue Analysis	B
58	1219	Innovative green synthesis of NiO-Ni-GO for electrocatalytical Hydrogen evolution reaction	B

59	1224	Dispersive solid phase extraction of several organochlorine pesticides from edible oil sample prior to GC-MS analysis; Application of Rhodamine B as a green adsorbent	B
60	1231	A case study of (Pyrazolyl)pyridine chelating ligands for extraction of heavy metals from water	B
61	1247	Thin film microextraction-dispersive liquid-liquid microextraction for the extraction of PAHs from wastewater samples	B
62	1251	Synthesis of catalytic substrates based on functionalized graphene oxide to investigate the absorption of some industrial wastewater pollutants	B
63	1252	Thin film microextraction method based on the covalent organic framework coated on a mesh for the extraction of apixaban from waste water	B
64	1259	An experimental approach in extraction of Ofloxacin from water using hydrophobic deep eutectic solvents	B
65	1276	Application of Conductimetry in Monitoring of Oil Pollution in Water	B
66	1282	Effect of magnetization of the industrial activated carbon for adsorption of real arsenic-polluted aqueous solution	B
67	1291	Determination of basic drugs in biological samples by coupling of Gel electromembrane extraction (G EME) electrochemistry	B
68	1299	Nicotine extraction and determination from nightshades using electromembrane extraction coupled with HPLC-DAD	B
69	1301	Separation and determination of Bisphenol A in Water and food samples by MIL-101(Fe) as sorbent and multivariate optimization	B
70	1316	Diclofenac removal from aqueous solutions through MIL-88A/ CoFe <sub>2</sub> O <sub>4</sub> / magnetic GQDs/biochar nanocomposite as a heterogeneous Fenton-like catalyst	B

71	1319	Rapid preparation of covalent organic frameworks for highly efficient extraction of copper(II), chromium(III) and lead(II) ions from environmental and biological samples	B
72	1327	Efficiency Enhancement of Alumina-Modified Bentonite for Surface Adsorption of Phosphorus from Aqueous Sources	B
73	1347	Removal of Some Dyes from Aqueous Solutions Using a Hydrogel Based on Sodium Alginat	B
74	1350	Fabrication of Polyvinyl Alcohol and Tragacanth Gum Nanofibers with Recycled Phenolics from Cold-Pressed Bene Pomace: Antioxidant and Antibacterial Study	B
75	1358	Green Synthesis of Cerium dioxide Nanopowders via an Easy Approach	B

Poster Number	Article code	Title	Presenting Group
1	1008	Modeling of methylene blue removal from industrial wastewater using nano silica	C
2	1015	B-Cyclodextrin modified Nano $\gamma$ -alumina Synthesized by Co-precipitation Method for Absorption Properties Improvement of Nano Alumina	C

3	1023	Fabrication of Solid Phase Microextraction Fiber Based on Cellulose Acetate and Its Application in Determination of Emerging Pollutants	C
4	1051	Co <sub>3</sub> O <sub>4</sub> @C deposition on graphite fibers as the cathode in the electrochemical degradation of rifampicin	C
5	1053	Novel melamine-formaldehyde microsphere nanocomposites for the adsorption of Congo Red	C
6	1064	Zn-Doped Nickel Iron Hydroxide as an Efficient Adsorbent for Dispersive Micro Solid Phase Extraction of Lead	C
7	1065	Dispersive Solid Phase Microextraction of Trace Copper with Deep Eutectic Solvent Functionalized Graphene Oxide	C
8	1071	Application of chitosan composite as an environmentally friendly additive in energy storage	C
9	1074	Detection of spoilage in meat products with pH-sensitive colorimetric nanosensors	C
10	1076	Determination of Sudan III by NADES Based Microextraction and Spectrophotometry	C
11	1083	Preparation of new composites to remove cationic and anionic dyes from industrial wastewater	C
12	1084	Preparation of biodegradable and cost-effective absorbents to remove chromium and lead metal	C
13	1085	Spectrophotometric study of the interaction between transition metal cations and diclofenac sodium in a binary mixture of acetonitrile and dimethyl sulfoxide solvents	C
14	1086	Determination of breast cancer biomarkers with new stir bar sorptive extraction	C
15	1087	Removal of microbial contaminants in food packaging industries by modified chitosan degradable biopolymers	C



16	1094	Fabrication of new solid phase microextraction based on organic-inorganic nanocomposite for determination of organophosphorus pesticides in environmental samples	C
17	1097	Fiber in tube solid phase microextraction of phthalate esters using PAN/g-C <sub>3</sub> N <sub>4</sub> electrospun nanofibers from beverages	C
18	1099	Electrochemical Determination of Agomelatine in Biological Samples by a Cu@COF Modified Glassy Carbon Electrode using Box-Benken Design Method	C
19	1104	Plasma Modification of Metal-Organic Frameworks for Degradation of Toxic Organophosphate Compounds	C
20	1114	Synthesis, characterization of magnetic orange peel bio adsorbent for solid phase micro extraction of heavy metal ions in biological sample	C
21	1125	In situ growth of metal-organic frameworks (Al-MOFs) on aluminum fiber for headspace solid-phase microextraction of antidepressants	C
22	1129	Studying the interaction between the drug sitagliptin and the Ni(II) cation using UV-Vis spectroscopy and the potential use of this technology as an optical sensor for drug measurement in biological samples and pharmaceutical formulations	C
23	1137	Green hydrophobic deep eutectic solvents for two-phase hollow fiber-liquid phase microextraction of benzodiazepines	C
24	1149	A novel smartphone-based colorimetric technique for ultra-trace determination of Cefotaxime Sodium in environmental samples	C
25	1168	Magnetic micro solid-phase extraction and determination of sulfacetamide as an antibacterial drug in water and some biological samples	C

26	1181	One-pot synthesis of $\beta$ -cyclodextrin modified nickel ferrite as a magnetic nano-sorbent for determination of cadmium in environmental samples	C
27	1184	A computational perspective on the possibility of capturing NO and NO <sub>2</sub> gases by eutectic solvent based on sugar	C
28	1185	Computational study of dye wastewater treatment and their separation possible from water with green solvent (DES)	C
29	1213	In-tube solid phase microextraction based on nanocomposites of conducting polymers and double layer hydroxides in order to extract trace amounts of drugs in biological samples	C
30	1217	In situ synthesis of carbon quantum dots on carbon felt fibers as a new solid-phase microextraction sorbent for chromatographic analysis of bisphenol A	C
31	1221	Magnetic Rubber@Ni-Co Layered double hydroxide derived from ZIF-67 template as nanostructured sorbent; application in determination of anticancer drugs in plasma and environmental samples	C
32	1222	Development of colorimetric sensors for residual detection of some organic solvents in water samples	C
33	1230	Synthesis of a Thin Film Based on Graphene Oxide Deposited on a Cellulosic Substrate for Microextraction of Some of B Group Vitamins and Their Determination by Synchronous Fluorescence Spectrometry	C
34	1237	Extraction of Lignin from Plants and its Application in Preparation of Polymeric Composite for Thin Film Microextraction of Carvedilol from Biological Samples	C
35	1239	Evaluation of the Removal Efficiency of Environmental Pollutants in the Biolock System (Case Study: Urmia Wastewater Treatment Plant)	C

36	1240	Preparation of lignin-based biocomposite as a self-supportive thin film for microextraction of organophosphorus pesticides	C
37	1241	CO <sub>2</sub> fixation in the presence of a tetranuclear Zn(II) cluster	C
38	1244	Dispersive solid phase extraction of imidacloprid and acetamiprid from pepper samples; Application of quantum dot solution as the elution solvent	C
39	1245	Fabric phase extraction of some pesticides from juice samples	C
40	1246	Continuous fabric phase extraction of imidacloprid and acetamiprid from juice samples followed HPLC-MS/MS	C
41	1248	Development of polyvinyl alcohol/polysulfone thin-film composite membrane modified with multi-walled carbon nanotubes for desalination	C
42	1250	Upcycling of polyolefin plastics by addition of ester linkages	C
43	1253	Synthesis of hybrid inorganic/organic nanoparticles (MSN@COF) for heavy metal removal	C
44	1254	Synthesis and characterization of some polymer derivatives of thymol as drug delivery system	C
45	1255	Extraction of acetamiprid and imidacloprid by chromium based quasi metal organic-framework based dispersive solid phase extraction from vegetables and prior to LC-MS/MS	C
46	1256	Dispersive solid phase microextraction for the extraction of pesticides from strawberries using a new nanocomposite	C
47	1257	Rapid analysis of pesticide residues in crops via COF-based dispersive solid phase extraction narrow bore tube method using LC-MS/MS	C

48	1258	Synthesis of MIP@COF@MIL-156@Fe <sub>3</sub> O <sub>4</sub> nanocomposite and its application in dispersive solid-phase extraction of montelukast in plasma and urine samples	C
49	1260	Dispersive molecularly imprinted polymer grown on metal-organic framework nanocomposites for selective extraction and Sensitive detection of sunitinib and its impurity in plasma samples	C
50	1261	A novel fluorescent sensor based on chitosan modified-silicon quantum dots for monitoring of tetracycline in clinical and environmental samples	C
51	1262	Combination dispersive liquid-liquid microextraction and dispersive solid phase extraction with BIO-MOF-29 as sorbent to extract certain triazoles from cabbage, celery, and lettuce before GC-FID analysis	C
52	1264	Development of new platform MOFs synthesis based on the new bidentate ligand for determination of Cr and Cd with electrochemical method	C
53	1270	Adsorptive removal of tetracycline drug by using a NH <sub>2</sub> -Iron-based metal-organic framework integrated by hydroxy apatite and boron nitride from aqueous solution	C
54	1274	Surface modification of glassy carbon electrode to enhance electrochemical determination of 4-Nitrophenol	C
55	1275	Voltammetric determination of 2,4,6-Trichlorophenol based on carbon paste electrode modified with graphene oxide and Ni-MOF nanosheets	C
56	1277	Investigating the Impact of Heavy Metals on the Electrical Conductivity of Natural Waters:	C

		An Environmental Quality Assessment Using Conductimetry	
57	1278	Dispersive solid phase extraction of chloramphenicol and florfenicol in honey sample prior to HPLC-DAD analysis	C
58	1279	Zn(II) complex as an efficient catalyst for CO <sub>2</sub> fixation in the presence of epoxides	C
59	1285	Green Sample Preparation Techniques for Trace Analysis of Organic Species in Cosmetic and Personal Care Products	C
60	1286	Electrochemical degradation of antibiotic cephalexin in aqueous solution on modified Ti/TiO <sub>2</sub> /PbO <sub>2</sub> anode by sodium dodecyl sulfate (SDS)	C
61	1292	Deep Eutectic Solvent-based Ferrofluid for Ultrasonic-assisted Liquid-phase Microextraction of a Fibric Acid Derivatives	C
62	1305	Application of novel MOF/COF magnetic hybrid as efficient adsorbent for diclofenace removal of pharmaceutical pollutants from aqueous solution	C
63	1306	Fabrication of Monolithic Solid Phase Microextraction Fiber Based on Polyethersulfone and Its Application in Determination of Corticosteroid Drug Budesonide by High Performance Liquid Chromatography	C
64	1307	Development of efficient and recyclable heterogeneous Fenton-like catalyst for organic pollutant removal in neutral environments	C
65	1308	Adsorptive removal of Hg from synthetic and real aqueous solutions using MIL-88A(Fe)/ZIF-67(Co)@Fe <sub>3</sub> O <sub>4</sub> /AC	C

66	1310	MIL-88A@NiFe <sub>2</sub> O <sub>4</sub> /AC/CS heterogeneous photo-Fenton catalyst for adsorptive removal of tetracycline under visible light irradiation	C
67	1318	The efficient adsorptive removal of methylene blue by MIL88A@Fe <sub>3</sub> O <sub>4</sub> / CMC/GQDs heterogeneous Fenton catalyst	C
68	1334	The development of a novel and simple method for the determination of Chromium(III) in ethanol fuel using carbon quantum dots	C
69	1335	Determination of trace amounts of Mo(VI) in water by combining dispersive surfactant micelle-mediated extraction with the fluorescence properties of carbon quantum dots	C
70	1336	A Liquid-phase Microextraction Method Based on Deep Eutectic Solvent for Extraction of a Calcium Channel Blocker	C
71	1337	Malachite green adsorption removal by polymer inclusion membrane	C
72	1341	The protocatechuic acid-based deep eutectic solvent-mediated green synthesis of 1,2,4,5-tetrasubstituted imidazoles	C
73	1345	Colorimetric Determination of Allura Red in Food Products and Detergent Samples After Simultaneous Ion-Pair Formation and Extraction by Natural Deep Eutectic Solvent Using Smartphone and Spectrophotometry	C
74	1346	Extraction Desulfurization of Fuels Using Deep Eutectic Solvents and Polyethylene glycol /FeCl <sub>3</sub>	C
75	1363	Kinetic investigation of dye pollutant degradation by upconversion TiO <sub>2</sub> : Er <sup>3+</sup> and Yb <sup>3+</sup> inverse opal photocatalyst in aqueous media	C
76	1364	Fabrication of TiO <sub>2</sub> inverse opal structure and its performance for methylene blue degradation via photocatalysis process	C

Poster Number	Article code	Title	Presenting Group
1	1007	Evaluation of the Efficiency of Pd-Doped LaFeO <sub>3</sub> Catalyst for VOCs Gases Removal from industrial Plants	D
2	1010	Synthesis of manganese ferrite nanoparticles doped with lanthanide ions and investigation of their photocatalytic properties	D
3	1014	Synthesis of a novel magnetic graphene oxide-based hydrogel nanocomposite adsorbent for effective copper adsorption	D
4	1029	Improving the Polyethersulfone Membrane Performance Using Zn-Cr Layered Double Hydroxide	D
5	1033	Evaluation of the effect of nanomaterial waste on environmental health	D
6	1038	Electrochemical Detection of Hydrazine in river water based on the Ti <sub>3</sub> C <sub>2</sub> MXene nanocomposite	D
7	1054	Stereoselective Synthesis of Benzoconduritols Including Halogene	D
8	1056	Synthesis of magnetic graphene oxide functionalized with anthraquinone for removal of methylene blue dye from polluted water	D
9	1059	Ternary heterojunctions type-II/ type-II photocatalyst based on a quasi-Metal-Organic Framework for adsorption of Bengal rose dye	D
10	1062	Green synthesis of palladium nanoparticles using Acer cinerascens leaf extract: highly efficient catalyst for Sonogashira cross-coupling reaction	D
11	1078	Green synthesis of palladium nanoparticles with prunus armeniaca gum and their applications as efficient catalyst for 4-Nitrophenol reduction in aqueous media	D
12	1091	Investigating the photocatalytic effect of Selenium Nanoparticles in the removal of the organic pigment Methylene blue	D

13	1093	Study of the electrochemical removal of bromophenol blue using a titanium electrode modified with a mixture of iridium and ruthenium oxides	D
14	1095	Simultaneous Electrochemical Determination of Pb <sup>2+</sup> and Cd <sup>2+</sup> in Food Samples by a Covalent Organic Framework Modified Glassy Carbon Electrode	D
15	1096	Ultra-trace Electrochemical Determination of Pb <sup>2+</sup> in Food Samples by a Recently Synthesized Metal Organic Framework Modified Glassy Carbon Electrode	D
16	1098	Preparation and Characterization of ZnCrCe-Mixed Metal Oxide Derived from ZnCrCe-Layered Double Hydroxide as Photocatalyst for the Photodegradation of Methylene Blue Dye Under Visible Light	D
17	1109	Removal of Paratoleic Acid on Mil-53(Al), metal organic framework and optimization with response surface methodology	D
18	1115	Electrochemical Detection of Tryptophan in Egg White based on the Methyl Orange-delaminated Ti <sub>3</sub> C <sub>2</sub> MXene Nanocomposite	D
19	1121	Performance evaluation of the ozonation/ photocatalytic for COD removal from wastewater refinery and process modeling using Response Surface Method	D
20	1141	An advanced synthesis of MOF Catalyst of Gadolinium-Nanoparticles-Decorated Chitosan/g-C <sub>3</sub> N <sub>4</sub> @ UiO-66-COOH as a Heterogeneous green efficient MOF-Catalyst to remove chemical contaminants	D
21	1142	Integration of Robotic and Printed Nanosensor for Sensing of Chemical Pollutants in Surface and Underwater Environments	D



22	1146	Green Synthesis and Characterization of Magnetic Nanocomposites: An Efficient and Reusable Spinel Nanocatalyst for Tetrahydropyrimidine and Polyhydroquinoline Derivatives Synthesis	D
23	1147	Eco-friendly sol-gel synthesis of superparamagnetic cerium nanocomposites and investigation their photocatalytic efficiency in degradation of Congo red dye	D
24	1152	Production of biofuels and optimization of related processes, with an approach to preserve the environment	D
25	1153	Dual site transition metal $\gamma$ -graphyne as an electrocatalyst of oxygen reduction reaction in Fuel cells	D
26	1154	Efficiency enhancement of quantum dot-sensitized solar cells using gold nanoparticles	D
27	1156	Photonic structuration of g-C <sub>3</sub> N <sub>4</sub> inverse-Opal/ Cs <sub>0.05</sub> (MA <sub>0.17</sub> FA <sub>0.83</sub> ) <sub>0.95</sub> Pb (I <sub>0.83</sub> Br <sub>0.17</sub> ) <sub>3</sub> nanocomposite for enhanced light absorption in photocatalytic degradation of Methylene blue and Tetracycline	D
28	1159	The catalytic activity of transition metal dimers for atomic Fe–Ni dual sites in N,P-co-doped Graphene for oxygen reduction reaction	D
29	1160	Hydrogen generation from water catalyzed by $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> @MBD/NiCo <sub>1.73</sub> for nitro reduction	D
30	1163	Synthesis and identification of new manganese complex with N-donor ligand based on pyrazole by green method	D
31	1166	Thiol-Modified Mesoporous Silica with Magnetite Nanoparticles: A Promising Adsorbent for Lead Removal	D
32	1167	Preparation of Biodegradable Nanobiocomposites Based on Metal organic Frameworks and Alginate as Sorbent for Using in Extraction Processes	D

33	1177	Synthesis and study of water-splitting electrocatalysts based on sulfid-layered double hydroxides on nickel foam	D
34	1191	Green synthesis of magnetite (Fe <sub>3</sub> O <sub>4</sub> ) nanoparticles using Ziziphora capitata extract	D
35	1194	Effect and adsorption of SO <sub>2</sub> , CO <sub>2</sub> , CO on Fe <sub>2</sub> O <sub>3</sub> using molecular dynamics simulation	D
36	1195	Preparation of a Novel Thin Film based on a Nano-biocomposite of Metal-organic Framework-Chitosan for the Microextraction of Multi-class Pesticides	D
37	1208	Halghe Dareh landfill leachate (Alborz province) treatment by chemical and electrochemical coagulation and cold plasma methods	D
38	1218	The study of hydrogen production from the dissociation of methanol and ethanol on Ni(100) surface using kinetic Monte Carlo simulation.	D
39	1232	Performance and cost analysis of linear machines as prime mover units in an optimization system for minimum dry gravity energy storage	D
40	1236	Nifedipine and Adamantyl Nifedipine	D
41	1238	Real time energy management and storage for a single micro grid system of a renewable generation system to minimize the total energy cost	D
42	1263	Determination of 1-penten-3-one as fishy odor agent in drinking water by headspace gas chromatography	D
43	1265	Decoration of reduced graphene oxide (RGO) with Manganese Iron Oxide (MnFe <sub>2</sub> O <sub>4</sub> ) nanoparticles: photocatalyst for rhodamine 6G dye degradation	D
44	1281	Applicability of Lemon-derived core-shell Au@Pd nanoparticles for visual and non-invasive detection of trifluoperazine relying on the green chemistry indexes	D

45	1284	Fabrication of an efficient electrochemical aptasensor for gluten determination in food products	D
46	1287	Kinetic and thermodynamic study of photo degradation of betamethazone using CdSe/Bi <sub>2</sub> MoO <sub>6</sub> photocatalyst	D
47	1288	Ambient temperature synthesis of Cerium-based MOFs as green adsorbents	D
48	1289	CoFe <sub>2</sub> O <sub>4</sub> /GO nanocomposite as a reusable magnetic sorbent for determination trace amounts of vitamin B <sub>9</sub> in food samples	D
49	1290	Preparation and characterization of MgFe-LDH/Biochar nanocomposites for organic dye adsorption	D
50	1296	Enhanced Phenol Removal from Wastewater Using Mg-Al LDH-Cal and Mg-Al LDH @pRGO-Cal: A Comprehensive Study	D
51	1297	Removal of Reactive Yellow 9 from aqueous solutions using CdSe/Bi <sub>2</sub> MoO <sub>6</sub> /g-C <sub>3</sub> N <sub>5</sub> photocatalyst	D
52	1298	Enhanced Water Splitting Electrocatalysis Using Cobalt Metal-Organic Framework Decorated Graphene Oxide	D
53	1300	Study of the Carbocatalysis of Methylen blue under visible light	D
54	1303	The applicability of the silicon nanoparticles synthesized from rice husk biowaste for the digoxin aptasensor fabrication according to the green chemistry indexes	D
55	1313	Investigation of layered double hydroxides assembled GQDs/Fe <sub>3</sub> O <sub>4</sub> / biochar composite as an efficient and stable catalyst for tetracycline removal in heterogeneous Fenton system	D
56	1314	Removal of cephalixin in water environment by magnetic nanocomposite as a heterogeneous Fenton-like catalyst	D

57	1320	Production, application and investigation of the effect of the HOSCO wastes on the physical properties hard aggregated concrete	D
58	1321	Piezoelectric Quartz Crystal Microbalance coated by molecular imprinted polymer as Sensor for Trace Chlorophorus in environmental samples	D
59	1322	Extraction and determination of benzodiazepines using nano sponge activated carbon followed by high-performance liquid chromatography: Experimental design	D
60	1323	Ultrasound-assisted dispersive nano sponge-activated carbon for extraction of propoxur and carbaryl: Response surface methodology	D
61	1324	Application of NiZn:S loaded on sponge-activated carbon as an efficient adsorbent for dye removal	D
62	1325	Synthesis and application of sponge-activated carbon for the simultaneous extraction of losartan and chlordiazepoxide drugs from biological samples	D
63	1330	The amino acid-based NADES is a capable and new catalyst for the synthesis of pyrano-pyrimidines	D
64	1331	The Novel Green Catalyst Deep Eutectic Solvent for Preparation of the New Compounds Pyrano[2,3-d]Pyrimidines	D
65	1332	Preparation of graphene from hazelnut shell as a natural carbonic waste source	D
66	1333	The new NADES as a versatile catalyst for the synthesis of pyrimidines	D
67	1338	Ranking natural wastewater treatment methods using multi-criteria decision-making methods (MCDM)	D
68	1339	Piezoelectric Properties of the Activity -Matrix Hybrid Composites for Energy Source	D
69	1343	The Ce-Mn-binuclear LDH based-Cu complex as a capable nanocatalyst for the green-synthesis of spiro[acridine-9,3'-indole]triones	D

70	1344	An efficient pillar-layered MOF with the urea linkers: A capable catalyst for the synthesis of new 1,8-naphthyridines	D
71	1349	Using cold plasma modified zeolite as an environmentally benign catalyst for biodiesel production	D
72	1354	Synthesis and application of spinel Ferrites/MXene (V2C) nanocomposites in water treatment	D
73	1356	Investigation od CO2 seperation using membrane technology	D
74	1357	Microplastics in water: chemical removal strategies	D
75	1359	Eco-friendly fabrication of dysprosium cerate nanomaterials by a simple method	D
76	1360	Facile fabrication of nanostructured praseodymium oxide via a green process	D