Dr. Mohammad Dinari

Current Affiliation:
Prof. of Organic Polymer Chemistry, Departent of Chemistry,
Isfahan University of Technology (IUT)
TEL: +98-31- 33913270, FAX: +98-31- 33912350,
E-mail: dinari@iut.ac.ir or mdinary@gmail.com
website: http://dinari.iut.ac.ir/

Work experience:

From February 2021 until now **Professor of Organic Polymer Chemistry**, Department of Chemistry, Isfahan University of Technology.

February 2017- until February 2021 **Associated Prof.** at IUT.

September 2012- until February 2017, **Assistant Prof**. at IUT.

Education

The 2008 – 2012	Isfahan University Of Technology, Department of Chemistry, Ph.D., Organic Chemistry
The 2005 – 2008	Isfahan University Of Technology, Department of Chemistry, M.Sc., Organic Chemistry
2002 - 2005	Arak University, Department of Chemistry, B.Sc.

Prizes and Academic Honors

One of the Top 2% of Scientists in the World for two consecutive years from 2020 to 2022 (The US-based Stanford University has recently released a list that represents the top 2 per cent of the most-cited scientists in various disciplines and I, as a member of Isfahan University of Technology, am among the Top 2% of Scientists in the World).

IUT Distinguished Teaching Award, **2022**

The Distinguish Researcher of the year award in *Isfahan Province*, (Isfahan, Iran), Dec.,**2021**.

The Distinguish Supervisor of the year award, *Isfahan University of Technology*, Isfahan, Iran, May,**2020**.

Distinguished Excellent Student award (in Ph.D. degree) in *Iran*, **2012**.

Distinguished Excellent Student award (in Ph.D. Degree) from the *Isfahan University of Technology* in Iran, 2012.

Distinguished Excellent Student award from Iranian Polymer Society (in Ph.D. Degree) of *Iran*, 2012.

Distinguished Excellent Student award (in Ms. Degree) in *Iran*, 2007.

Distinguished Excellent Student award (in Ms. Degree) from the *Isfahan University of Technology* in Iran, 2007.

Distinguished Excellent Student award from Iranian Polymer Society (in Ms. Degree) of *Iran*, 2007.

Distinguished Excellent Student award from *National Elite Foundation of Iran*, 2009-2012.

Research Fields:

-Covalent Organic Framework (COF)

-Metal-Organic Framework (MOF)

-Polymer Science and Technology

-Nanoparticles and Nanocatalysts

-Environmental chemistry

-Drug Delivery

Scopus author

Mohammad Dinari

Author ID: 16230322000

https://orcid.org/0000-0001-5291-7142View this author's ORCID profile

H-index: 40 Total citations: 5329

https://www-scopus-com.bbibliograficas.ucc.edu.co/authid/detail.uri?authorId=16230322000

Google Scholar Profile of author

Mohamad Dinari

H-index: 43

i10-index: 172

Total citations: 6023

https://scholar.google.com/citations?user=tPYSzLMAAAAJ&hl=en&oi=ao

BOOK CHAPTERS

1. Mohaddeseh Afshari, Mohammad Dinari, Materials, Chemistry, and Synthesis of Covalent Organic Frameworks in *Covalent Organic Frameworks*, 1st Edition, CRC Press, page 19-38, 2022
2. Nazanin Mokhtari, Mohammad Dinari, Photocatalysts Based on Covalent Organic Frameworks in *Covalent Organic Frameworks*, 1st Edition, Press, page 287-302, 2022
3. Elham Azadi, Mohammad Dinari, Green synthesis, characterization, and properties of carbon aerogels in "*Green Carbon Materials for Environmental Analysis*", ACS Books, 2023.
4. Vahid Ramezanzade, Fariba Mehvari, Mohammad Dinari, Shahid ul Islam, Advances in synthetic methods, surface chemistry, and characterizations of fullerenes in "*Green Carbon Materials for Environmental Analysis*", ACS Books, 2023.

Publications

Articles in peer-reviewed journals (past 6 years)

1. Shadpour Mallakpour, Fariba Sirous, **Mohammad Dinari**, Comparative study for removal of cationic and anionic dyes using alginate-based hydrogels filled with citric acid-sawdust/UiO-66-NH_2 hybrid, International Journal of Biological Macromolecules, 238 (2023) 124034.
2. Mohammad Ali Shirani, **Mohammad Dinari**, Mohammad Hassan Maleki, Zahra Amirghofran, Cyano-2-oxopyridines: Green synthesis, cytotoxicity evaluation and molecular docking study, Materials Chemistry and Physics, 299 (2023) 127451.
3. Elham Hosseinpour Najjar, Ali Hossein Kianfar, **Mohammad Dinari**, Behzad Rezaei, Sahar Saeidi, Photocatalytic activity of the novel triazine-based magnetic core-shell Cu nanocomposite for degradation of RhB and MB via air oxidation and Cr (VI) reduction, Environmental Nanotechnology, Monitoring & Management, 20 (2023) 100820.
4. Marzieh Mirzaaghaei, Ali Nasirpour, Javad Keramat, Sayed Amir Hossein Goli, **Mohammad Dinari**, Stephane Desobry, Influence of fatty acid-esterified waxy maize starch type and concentration on stability and properties of oil-in-water emulsions, International Journal of Biological Macromolecules, 233 (2023) 123526.
5. Fahimeh Afshari, Erfan Rezvani Ghomi, **Mohammad Dinari**, Seeram Ramakrishna, Recent Advances on the Corrosion Inhibition Behavior of Schiff base Compounds on Mild Steel in Acidic Media, ChemistrySelect 8 (2023) e202203231
6. Alireza Tabibi, **Mohammad Dinari**, Mohaddeseh Afshari, κ-Carrageenan/triazin-based covalent organic framework bionanocomposite: Preparation, characterization, and its application in fast removing of BB41 dye from aqueous solution, Journal of Environmental Management, 333 (2023) 117400.
7. Mohammad Hassan Maleki, **Mohammad Dinari**, Saed Arameshian, Facile and green fabrication of copper-based magnetically recoverable yolk–shell nanocatalysts with high catalytic performance for nitroaromatic reduction, Applied Organometallic Chemistry, 37 (2023) e6985
8. Bahareh Rostaminejad, Ali Reza Karimi, **Mohammad Dinari**, Mahnaz Hadizadeh, Photosensitive Chitosan-Based Injectable Hydrogel Chemically Cross-Linked by Perylene Bisimide Dopamine with Robust Antioxidant and Cytotoxicity Enhancer Properties for In Vitro Photodynamic Therapy of Breast Cancer, ACS Applied Bio Materials, 6 (2023) 1242-1251.
9. S Mallakpour, E Azadi, **M Dinari**, Removal of cationic and anionic dyes using Ca-alginate and Zn-Al layered double hydroxide/metal-organic framework, Carbohydrate Polymers 301 (2023), 120362.
10. S Mallakpour, E Azadi, **M Dinari**, Mesoporous Ca-alginate/melamine-rich covalent organic polymer/cupric oxide-based microgel beads as heterogeneous catalyst for efficient catalytic reduction of hazardous water pollutants, Journal of Environmental Chemical Engineering, (2022), 109294.
11. Shima Moazami, Mahshid Kharaziha, Rahmatallah Emadi, **Mohammad Dinari**, Multifunctional Bioinspired Bredigite-Modified Adhesive for Bone Fracture Healing, ACS Applied Materials & Interfaces, 15 (2023) 6499-6513.

12. A Abdolmaleki, E Salehi, **M Dinari**, Dispersion of graphene oxide nanolayers in novel heat-stable poly (benzimidazole-amide) by ultrasonic irradiation route: synthesis and characterization, Polymer-Plastics Technology and Materials 62 (2023), 76-85.
13. ER Ghomi, SN Khorasani, MS Koochaki, **M Dinari**, S Ataei, MH Enayati, O Das, R E Neisiany, Synthesis of TiO_2 nanogel composite for highly efficient self-healing epoxy coating, Journal of Advanced Research 43 (2023), 137-146.
14. H Vakilzadeh, J Varshosaz, **M Dinari**, M Mirian, V Hajhashemi, N Shammaeizadeh, H Mir-mohammad Sadeghi, Smart redox-sensitive micelles based on chitosan for dasatinib delivery in suppressing inflammatory diseases, International Journal of Biological Macromolecules, 229 (2023) 696-712.
15. Parvin Asadi, Somayeh Taymouri, Ghadamali Khodarahmi, Hanieh Jalali, Hoorieh Zaker, Hojjat Sadeghi-Aliabadi, Mohammad Dinari, Novel nanoscale vanillin based covalent triazine framework as a novel carrier for sustained release of imatinib, Polymers for Advanced Technologies, 34 (2023) 1358-1366.
16. S Barekat, A Nasirpour, J Keramat, **M Dinari**, M Meziane-Kaci, C Paris, S Desobry, Phytochemical Composition, Antimicrobial, Anticancer Properties, and Antioxidant Potential of Green Husk from Several Walnut Varieties (Juglans regia L.), Antioxidants 12 (2022) 52.
17. S Mallakpour, E Azadi, **M Dinari**, Novel mesoporous cupric oxide-based biomaterial: An efficient nanocatalyst toward catalytic reduction of emerging contaminants in the wastewater, Journal of Cleaner Production 378 (2022), 134527.
18. S Mallakpour, F Sirous, **M Dinari**, Bio-sorbent alginate/citric acid-sawdust/Fe_3O_4 nanocomposite beads for highly efficient removal of malachite green from water, International Journal of Biological Macromolecules 222, 2683-2696.
19. A Ghadami, S Taheri, Z Alinejad, **M Dinari**, Preparation of acrylate-based double and triple interpenetrating polymer networks hydrogels: Rheological, thermal, and swelling behavior, Polymers for Advanced Technologies 33 (2022), 4330-4340.
20. MJ Amiri, M Afshari, **M Dinari**, M Arshadi, Activation of Peroxymonosulfate by Fe^0 for the Degradation of BTEX: Effects of Aging Time and Interfering Ions, Sustainability 14 (2022), 15247.
21. N Mokhtari, **M Dinari**, Developing novel amine-linked covalent organic frameworks towards reversible iodine capture, Separation and Purification Technology 301 (2022), 121948.
22. E Heydari-Bafrooei, AA Ensafi, M Afshari, **M Dinari**, V Ghafarinia, Mediator-Free Self-Powered Bioassay for Wide-Range Detection of Dissolved Carbon Dioxide, Analytical Chemistry 94 (2022), 16033-16041.
23. MH Maleki, MA Shirani, **M Dinari**, Facile synthesis of green and efficient copper-based magnetically recoverable nanocatalyst for the reduction of nitrophenol derivatives, Journal of Molecular Liquids 365 (2022), 120189.
24. MH Maleki, M Rezaie, **M Dinari**, Facile synthesis of green and efficient magnetic nanocomposites of carrageenan/copper for the reduction of nitrophenol derivatives, International Journal of Biological Macromolecules 220 (2022), 954-963.

25. M Afshari, **M Dinari**, Improving the Reaction-to-Fire Properties of Thermoplastic Polyurethane by New Phosphazene–Triazinyl-Based Covalent Organic Framework, ACS Applied Materials & Interfaces 14 (2022), 49003-49013.
26. T Salehi, M Shirvani, **M Dinari**, E Gavili, Adsorptive Removal of Lead from Water Using a Novel Cysteine-Bentonite/Poly (vinyl alcohol)/Alginate Nanocomposite, Journal of Polymers and the Environment 30 (2022), 4463-4478.
27. F Parsadoust, M Shirvani, H Shariatmadari, **M Dinari**, Kinetics of Lead Remobilization from Montmorillonite by Glutamate Diacetate (GLDA), Methylglycine Diacetate (MGDA), and Ethylenediamine Tetraacetate (ETDA) Chelating Agents, Environmental Processes 9 (2022), 1-17.
28. M Soleimani, F Tirgir, **M Dinari**, Fabrication and characterization of the novel bionanocomposite poly(ester-imide-sulfonamide) s/Ag film coated on glass bead for inactivation of E. coli, Polymer Bulletin 79 (2022), 7589-7611.
29. N Taheri, **M Dinari**, M Asgari, Recent Applications of Porous Organic Polymers Prepared via Friedel–Crafts Reaction under the Catalysis of AlCl3: A Review, ACS Applied Polymer Materials 4 (2022), 6288-6302.
30. G Mohammadnezhad, M Okhovat, T Fazeldehkordi, **M Dinari**, In-situ preparation of novel nanocomposites of PMMA and ordered mesoporous carbon (FDU-15), Journal of Polymer Research 29 (2022), 1-8.
31. N Roghani, **M Dinari**, E Tolouei, The effect of Lissamine fast yellow dye intercalation into Zn/Al layered double hydroxides on the mechanical and thermal properties of poly(vinyl chloride), Journal of Materials Science: Materials in Electronics 33 (2022), 16511-16520.
32. K Zargoosh, RS Rafiei Alavi Alavije, R Soltani, **M Dinari**, H Ali Abadi, Synthesis of paraphenylenediamine covalent organic polymer and its application for removal of cationic and anionic organic pollutants from aqueous solutions ad industrial wastes, Applied Chemistry 17 (2022), 179-198.
33. N Mokhtari, **M Dinari**, H Fashandi, Developing polysulfone-based mixed matrix membrane containing hydrazone-linked covalent organic frameworks towards dye wastewater purification, Chemical Engineering Journal, (2022), 137456.
34. M Afshari, **M Dinari**, H Farrokhpour, F Zamora, Imine-Linked Covalent Organic Framework with a Naphthalene Moiety as a Sensitive Phosphate Ion Sensing, ACS applied materials & interfaces, 14 (2022), 22398–22406.
35. E Hosseinpournajjar, AH Kianfar, **M Dinari**, Synthesizing and characterization of Cu(II) polymer complex: application for removing heavy metals from aqueous solutions, Journal of the Iranian Chemical Society 19 (2022), 1963-1977.
36. N Nouruzi, **M Dinari**, B Gholipour, M Afshari, S Rostamnia, In Situ Organized Pd and Au Nanoparticles in a Naphthalene-Based Imine-Linked Covalent Triazine Framework for Catalytic Suzuki Reactions and H_2 Generation from Formic Acid, ACS Applied Nano Materials, 26 (2022), 6241–6248.

37. **M Dinari**, F Dadkhah, F Azizollahi, G Bateni, F Bagherzadeh, Construction of new recoverable Ag-Fe_3O_4@ Ca–Al LDH nanohybrids for visible light degradation of piroxicam, Materials Science and Engineering: B 278 (2022), 115630.
38. S Shabani, **M Dinari**, Itaconic acid-modified layered double hydroxide/gellan gum nanocomposites for Congo red adsorption, Scientific Reports 12 (2022), 1-11.
39. M Shirvani, F Parsadoust, H Shariatmadari, **M Dinari**, Comparative ability of EDTA, GLDA, and MGDA to desorb Pb from contaminated montmorillonite: Aging effects, (2022).
40. P Asadi, E Khodamoradi, **M Dinari**, Facile and fast preparation of layered double hydroxide as a nanocarrier for ascorbic acid under ultrasonic irradiation, Research in Pharmaceutical Sciences 17 (2022), 143.
41. K Zargoosh, H Naghshineh, R Soltani, **M Dinari**, Synthesis and application of amine-sulfone-rich mesoporous organic polymer for the ultrafast removal of both cationic and anionic organic pollutants from industrial wastewaters, Journal of Applied Polymer Science 139 (2022), 51671.
42. A Fakhar, M Sadeghi, **M Dinari**, R Lammertink, Comparative assessment of hydrocarbon separation performance of bulky poly (urethane-urea) s toward rubbery membranes, Journal of Natural Gas Science and Engineering 98 (2022), 104356.
43. **M Dinari**, K Fardmanesh, MH Maleki, P Asadi, Synthesis, characterization and antimicrobial properties of new L-cysteine based chiral aromatic polyamides, Polymer Bulletin (2022), 1-15.
44. M Afshari, **M Dinari**, Materials, Chemistry, and Synthesis of Covalent Organic Frameworks, Covalent Organic Frameworks (2022), 19-38.
45. N Mokhtari, **M Dinari**, Photocatalysts Based on Covalent Organic Frameworks, Covalent Organic Frameworks, (2022), 287-302.
46. AD M Mirzaaghaei, A Nasirpour, J Keramat, Sayed A H Goli, **M Dinari**, S Desobry, Chemical modification of waxy maize starch by esterification with saturated fatty acid chlorides: Synthesis, physicochemical and emulsifying properties. Food Chemistry 393 (2022), 1-10
47. K Zargoosh, S Ashrafzade, M Afshari, **M Dinari**, H Moradi Aliabadi, Comparative study on the adsorption characteristics of a triazine-Si hybrid polymer adsorbent and the natural adsorbents for removal of methylene blue from industrial wastewaters. Journal of Applied Polymer Science, (2022), e52679.
48. N Taheri, **M Dinari**, Amino-Functionalized Magnetic Porous Organic Polymer for Selective Removal of Toxic Cationic Dyes from Textile Wastewater, New Journal of Chemistry, 46 (2022), 11174-11184.
49. N Nouruzi, **M Dinari**, B Gholipour, N Mokhtari, M Farajzadeh, S Rostamnia, M Shokouhimehr, Photocatalytic hydrogen generation using colloidal covalent organic polymers decorated bimetallic Au-Pd nanoalloy (COPs/Pd-Au), Molecular Catalysis 518 (2021), 112058.
50. A Fakhar, M Sadeghi, **M Dinari**, Stepwise surface modification of mesoporous silica and its use in poly (urethane-urea) composite films, Polymer International 71 (2022), 107-116.

51. M Khorshidi, S Asadpour, N Sarmast, **M Dinari**, A review of the synthesis methods, properties, and applications of layered double hydroxides/carbon nanocomposites, Journal of Molecular Liquids (2021), 118399.
52. S Shabani, **M Dinari**, Ag/LDH-itaconic acid-gellan gam nanocomposites: Facile and green synthesis, characterization, and excellent catalytic reduction of 4-nitrophenol, International Journal of Biological Macromolecules 193 (2021), 1645-1652.
53. M Rezaie, **M Dinari**, AN Chermahini, M Saraji, A Shahvar, Carrageenan-based green heterogeneous catalyst for production of 5-hydroxymethylfurfural by dehydrating fructose and glucose, Biomass Conversion and Biorefinery (2021), 1-13.
54. E Farazandemehr, A Khoddami, **M Dinari**, A new method to improve dyeing properties of cotton substrate by the introduction of urea hydrochloride / ethylene diamine deep eutectic solvent as an intra crystalline swelling agent, Journal of Textile Science and Technology, (2021).
55. J Imanipoor, M Mohammadi, **M Dinari**, Evaluating the performance of L-methionine modified montmorillonite K10 and 3-aminopropyltriethoxysilane functionalized magnesium phyllosilicate organoclays for adsorptive removal of azithromycin from water, Separation and Purification Technology 275 (2021), 119256.
56. MA Shirani, MH Maleki, P Asadi, **M Dinari**, Benzothiazolopyridine compounds: Facial synthesis, characterization, and molecular docking study on estrogen and progesterone receptors, Journal of Molecular Structure 1243 (2021), 130792.
57. S Shabani, **M Dinari**, Cu-Ca-Al-layered double hydroxide modified by itaconic acid as an adsorbent for anionic dye removal: Kinetic and isotherm study, Inorganic Chemistry Communications 133 (2021), 108914.
58. F Rezaei, **M Dinari**, Cu nanoparticles embedded in the porous organic polymer as highly effective catalysts for nitroaromatics reduction, Microporous and Mesoporous Materials 325 (2021), 111339.
59. **M Dinari**, F Dadkhah, Visible light photodegradation of 4-nitrophenol by new high-performance and easy recoverable Fe_3O_4/Ag_2O-LDH hybrid photocatalysts, Applied Organometallic Chemistry 35 (2021), e6355.
60. Z Babaei, AN Chermahini, **M Dinari**, Synthesis of n-butyl levulinate as a fuel additive using bimetallic Zr/Al catalysts supported on mesoporous silica: Applying experimental design to optimize the reaction conditions, Colloids and Surfaces A: Physicochemical and Engineering Aspects 625 (2021), 126885.
61. P Panahi, SN Khorasani, MS Koochaki, **M Dinari**, O Das, RE Neisiany, Synthesis of Cloisite 30B-acrylamide/acrylic acid nanogel composite for self-healing purposes, Applied Clay Science 210 (2021), 106174.
62. **M Dinari**, N Roghani, Effect of triazine based silane coupling agent modified LDH on the thermal and mechanical properties of PVC based nanocomposites, Journal of Polymer Research 28 (2021), 1-8.
63. S Dowlatshah, M Saraji, **M Dinari**, R Soltani, A novel nanocomposite based on covalent organic polymer and nanocellulose for thin-film microextraction of imipramine from biological samples, Journal of Separation Science 44 (2021), 2972-2981.

64. M Afshari, **M Dinari**, A novel triazine-based covalent organic framework: enhancement fire resistance and mechanical performances of thermoplastic polyurethanes, Composites Part A: Applied Science and Manufacturing, 147 (2021) 106453.
65. **M Dinari**, N Mokhtari, M Hatami, Covalent triazine-based polymer with high nitrogen levels for removal of copper(II) ions from aqueous solutions, Journal of Polymer Research 28 (2021) 1-11.
66. F Rezaei, **M Dinari**, Novel covalent organic polymer-supported Ag nanoparticles as a catalyst for nitroaromatics reduction, Colloids and Surfaces A: Physicochemical and Engineering Aspects, 618, (2021) 126441.
67. P Asadi, M Falsafin, **M Dinari**, Construction of new covalent organic frameworks with benzimidazole moiety as Fe^{3+} selective fluorescence chemosensors, Journal of Molecular Structure, 1227, (2021) 129546.
68. **M Dinari**, F Jamshidian, Preparation of MIL-101-NH2 MOF/triazine based covalent organic framework hybrid and its application in acid blue 9 removals, Polymer, 215, (2021) 123383.
69. J Imanipoor, M Mohammadi, **M Dinari**, M Ehsani, Adsorption and Desorption of Amoxicillin Antibiotic from Water Matrices Using an Effective and Recyclable MIL-53(Al) Metal–Organic Framework Adsorbent, Journal of Chemical Engineering Data, 66, (2021) 389.
70. N Mokhtari, M Khataei, **M Dinari**, B Hosseini Monjezi, Y Yamini, M Hatami, Solid-phase extraction and microextraction of chlorophenols and triazine herbicides with a novel hydrazone-based covalent triazine polymer as the adsorbent, Microchemical Journal, 160, (2021) 105634.
71. **M Dinari**, H Allami, M Momeni, Construction of Ce-Doped NiCo-LDH@CNT Nanocomposite Electrodes for High-Performance Supercapacitor Application, Energy Fuels 35,(2021) 1831–1841.
72. R Tabatabaeian, **M Dinari**, H Moradi Aliabadi, Cross-linked bionanocomposites of hydrolyzed guar gum/magnetic layered double hydroxide as an effective sorbent for methylene blue removal, Carbohydrate Polymers, 257, (2021) 117628.
73. E Farazandehmehr, A Khoddami, **M Dinari**, An innovative method for improving dyeing yield of the cellulosic substrate using additives in NaOH-water eutectic mixture, International Journal of Biological Macromolecules 170, (2021) 561-571.
74. A Kazemi, S Nouri Khorasani, **M Dinari**, Sh Khalili, Mechanical and barrier properties of LLDPE/TPS/OMMT packaging film in the presence of POE-g-IA or POE-g-MA, Journal of Polymer Research, 28, (2021) 133.
75. S Yusuf, **M Dinari**, A Moheb, Facial synthesis of V-containing CuMgAl-LDHs as a new catalyst for the phenol hydroxylation, Chemical Physics, 546, (2021) 111183.
76. M Bayat, H Izadan, S Santiago, F Estrany, **M Dinari**, D Semnani, C Alemán, G Guirado, Study on the electrochromic properties of polypyrrole layers doped with different dye molecules, Journal of Electroanalytical Chemistry, 886, (2021) 115113.

77. H Moradi Aliabadi, K Zargoosh, M Afshari, **M Dinari**, M H Maleki, Synthesis of a luminescent g-C_3N_4–WO_3–Bi_2WO_6/$SrAl_2O_4$:Eu^{2+},Dy^{3+} nanocomposite as a double z-scheme sunlight activable photocatalyst, New Journal of Chemistry, 45, (2021) 4843-4853.
78. **M Dinari**, Sh Shabani, Itaconic acid-modified layered double hydroxide as a novel adsorbent for effective removal of Congo red from aqueous solutions, 2021.
79. Sayed A Mirmohammad Sadeghi, S Borhani, A Zadhoush, **M Dinari**, Self-healing performance of hybrid core-shell nanofibers mat containing epoxy-mercaptan at subroom temperature, Polymer Composite, 42 (2021) 2422-2431.
80. J Imanipoor, A Ghafelebashi, M Mohammadi, **M Dinari**, M Ehsani, Fast and effective adsorption of amoxicillin from aqueous solutions by L-methionine modified montmorillonite K10, Colloids and Surfaces A: Physicochemical and Engineering Aspects, 611, (2021) 125792.
81. S Yusuf, A Moheb, **M Dinari**, Green phenol hydroxylation by ultrasonic-assisted synthesized Mg/Cu/Al-LDH catalyst with different molar ratios of Cu^{2+}/Mg^{2+}, Research on Chemical Intermediates, 47, (2021) 1297.
82. R Soltani, M Pishnamaz, R Pelalak, M Rezakazemi, A Marjani, **M Dianri**, S Sarkar, S Shirazian, Preparation of COOH-KCC-1/polyamide 6 composite by in situ ring-opening polymerization: synthesis, characterization, and Cd(II) adsorption study, Journal of Environmental Chemical Engineering, 9, (2021) 104683.
83. M Heydari, MT. Jafari, M Saraji, R Soltani, **M Dinari**, Covalent triazine-based framework-grafted functionalized fibrous silica sphere as a solid-phase microextraction coating for simultaneous determination of fenthion and chlorpyrifos by ion mobility spectrometry, Microchimica Acta ,188 (2021) 1-11.
84. M Konari, E Heydari-Bafrooei, **M Dinari**, Efficient immobilization of aptamers on the layered double hydroxide nanohybrids for the electrochemical proteins detection, International Journal of Biological Macromolecules, 166, (2021) 54.
85. M Rezaie, **M Dinari**, A Najafi Chermahini, M Saraji, AShahvar, Preparation of kapa carrageenan-based acidic heterogeneous catalyst for conversion of sugars to high-value added materials, International Journal of Biological Macromolecules, 165, (2020) 1129.
86. **M Dinari**, F Atabaki, Z Pahnavar, R Soltani, Adsorptive removal properties of bivalent cadmium from aqueous solution using porous poly(N-2-methyl-4-nitrophenyl maleimide-maleic anhydride-methyl methacrylate) terpolymers, Journal of Environmental Chemical Engineering, 8, (2020) 104560.
87. E Rezvani, R Esmaeely Neisiany, S Nouri Khorasani, **M Dinari**, S Ataei, M Koochaki, S Ramakrishna, Development of an epoxy self-healing coating through the incorporation of acrylic acid-co-acrylamide copolymeric gel, Progress in Organic Coatings, 149, (2020) 105948.
88. M Dinari, H Allami, M Momeni, A high-performance electrode based on Ce-doped nickel-cobalt layered double hydroxide growth on carbon nanotubes for efficient oxygen evolution, Journal of Electroanalytical Chemistry, 877(2020) 114643.
89. M Afshari, **M Dinari**, H Moradi, Z Noori, Polyaniline/sulfonated-covalent organic polymer nanocomposite: Structural and dye adsorption properties, Polymers for Advanced Technologies, 32, (2020) 1301.

90. **M Dinari**, S Nemati, In Situ Polymerization of Polyaniline in Silane Modified Calcium Based Layered Double Hydroxide Intercalated Tartrate, Inorganic Chemistry Research, 4, (2020) 250.
91. N Nouruzi, **M Dinari**, N Mokhtari, M Farajzade, B Gholipour, S Rostamnia, Selective catalytic generation of hydrogen over covalent organic polymer supported Pd nanoparticles (COP-Pd), Molecular Catalysis, 493, (2020) 111057.
92. P Keshtiara, H Hadadzadeh, M Daryanavard, N Mousavi, **M Dinari**, New dendrimers containing ruthenium nanoparticles as catalysts for hydrogenation of citral to 3,7-dimethyloctanol, Materials Chemistry and Physics, 249, (2020) 122962.
93. A Roghanizad, M Abdolmaleki, S Ghoreishi, **M Dinari**, Corrigendum to "One-pot synthesis of functionalized mesoporous fibrous silica nanospheres for dye adsorption: Isotherm, kinetic, and thermodynamic studies, Journal of Molecular Liquids, 308 (2020) 113063.
94. A Fakhar, **M Dinari**, R Lammertink, M Sadeghi, Enhanced CO2 capture through bulky poly(urethane-urea)-based MMMs containing hyperbranched triazine based silica nanoparticles, Separation and Purification Technology, 241, (2020) 116734.
95. M Afshari, **M Dinari**, Synthesis of new imine-linked covalent organic framework as high efficient absorbent and monitoring the removal of direct fast scarlet 4BS textile dye based on mobile phone, Journal of Hazardous Materials 385, (2020) 121514.
96. Z Babaei, AN Chermahini, **M Dinari**, Glycerol adsorption and mechanism of dehydration to acrolein over TiO_2 surface: A density functional theory study, Journal of Colloid and Interface Science 563, (2020) 1-7.
97. **M Dinari**, N Mokhtari, S Taymouri, M Arshadi, A Abbaspourrad, Covalent polybenzimidazole-based triazine frameworks: A robust carrier for non-steroidal anti-inflammatory drugs, Materials Science and Engineering: C 108, (2020) 110482.
98. **M Dinari**, MA Shirani, MH Maleki, R Tabatabaeian, Green cross-linked bionanocomposite of magnetic layered double hydroxide/guar gum polymer as an efficient adsorbent of Cr (VI) from aqueous solution, Carbohydrate Polymers, 236 (2020) 116070.
99. A Roghanizad, MK Abdolmaleki, SM Ghoreishi, **M Dinari**, One-pot synthesis of functionalized mesoporous fibrous silica nanospheres for dye adsorption: Isotherm, kinetic, and thermodynamic studies, Journal of Molecular Liquids 300, (2020) 112367
100. **M Dinari**, F Dadkhah, Swift reduction of 4-nitrophenol by easy recoverable magnetite-Ag/layered double hydroxide/starch bionanocomposite, Carbohydrate polymers 228, (2020) 115392.
101. SAM Sadeghi, S Borhani, A Zadhoush, **M Dinari**, Single nozzle electrospinning of encapsulated epoxy and mercaptan in PAN for self-Healing application, Polymer 186, (2020) 122007.
102. **M Dinari**, S Neamati, Surface modified layered double hydroxide/polyaniline nanocomposites: Synthesis, characterization and Pb^{2+} removal, Colloids and Surfaces A: Physicochemical and Engineering Aspects 589, (2020) 124438.

103. A Fakhar, M Sadeghi, **M Dinari**, M Zarabadipoor, R Lammertink, Elucidating the effect of chain extenders substituted by aliphatic side chains on morphology and gas separation of polyurethanes, European polymer journal 122, (2020) 109346.

104. N Mokhtari, S Taymouri, M Mirian, **M Dinari**, Covalent triazine-based polyimine framework as a biocompatible pH-dependent sustained-release nanocarrier for sorafenib: An in vitro approach, Journal of Molecular Liquids 297, (2020) 111898.

105. Rahmanian, M Falsafin, **M Dinari**, High surface area benzimidazole based porous covalent organic framework for removal of the methylene blue from aqueous solutions, Polymer International 69 (2020) 712-718.

106. **M Dinari**, N Roghani, Calcium iron layered double hydroxide/poly (vinyl chloride) nanocomposites: synthesis, characterization and Cd 2+ removal behavior, Journal of Inorganic and Organometallic Polymers and Materials 30 (2020), 808-819.

107. M Aghaei, AH Kianfar, **M Dinari**, Synthesis and characterization of a novel Schiff base polyamide ligand and its copper (II) complex for comparative removal of Pb (II) ions from aqueous solutions, Journal of Polymer Research 27 (2020), 54.

108. N Mokhtari, MM Khataei, M Dinari, BH Monjezi, Y Yamini, Imine-based covalent triazine framework: Synthesis, characterization, and evaluation its adsorption, Materials Letters 263, (2020) 127221.

109. M Shahzamani, S Taheri, A Roghanizad, N Naseri, **M Dinari**, Preparation and characterization of hydrogel nanocomposite based on nanocellulose and acrylic acid in the presence of urea, International Journal of Biological Macromolecules 147, (2020) 187-193.

110. N Mokhtari, M Afshari, **M Dinari**, Synthesis and characterization of a novel fluorene-based covalent triazine framework as a chemical adsorbent for highly efficient dye removal, Polymer, 195 (2020) 122430

111. M Najafi, M Sadeghi, AA Shamsabadi, **M Dinari**, M Soroush, Polysulfone Membranes Incorporated with Reduced Graphene Oxide Nanoparticles for Enhanced Olefin/Paraffin Separation, ChemistrySelect 5 (2020), 3675-3681

112. P Keshtiara, H Hadadzadeh, M Daryanavard, N Mousavi, **M Dinari**, New dendrimers containing ruthenium nanoparticles as catalysts for hydrogenation of citral to 3, 7-dimethyloctanol, Materials Chemistry and Physics, 249 (2020) 122962

113. M Afshari, **M Dinari**, K Zargoosh, H Moradi, Novel Triazine-Based Covalent Organic Framework as a Superadsorbent for the Removal of Mercury (II) from Aqueous Solutions. Industrial & Engineering Chemistry Research 59 (19), 9116-9126

114. F Parsadoust, M Shirvani, H Shariatmadari, **M Dinari**, Effects of GLDA, MGDA, and EDTA chelating ligands on Pb sorption by montmorillonite, Geoderma 366, (2020) 114229

115. N Nouruzi, **M Dinari**, N Mokhtari, B Gholipour, S Rostamnia, S Khaksar, Porous triazine polymer: A novel catalyst for the three-component reaction, Applied Organometallic Chemistry, (2020) e5677

116. A Fakhar, **M Dinari**, R Lammertink, M Sadeghi, Enhanced CO2 capture through bulky poly (urethane-urea)-based MMMs containing hyperbranched triazine based silica nanoparticles. Separation and purification technology 241, (2020) 116734.

117. MB Bajestani, A Moheb, **M Dinari**, Preparation of lithium ion-selective cation exchange membrane for lithium recovery from sodium contaminated lithium bromide solution by electrodialysis process, Desalination 486, (2020) 114476.

118. N Nouruzi, **M Dinari**, N Mokhtari, M Farajzadeh, B Gholipour, S Rostamnia, Selective catalytic generation of hydrogen over covalent organic polymer supported Pd nanoparticles (COP-Pd), Molecular Catalysis 493, (2020) 111057

119. **M Dinari**, F Atabaki, Z Pahnavar, R Soltani, Adsorptive removal properties of bivalent cadmium from aqueous solution using porous poly (N-2-methyl-4 nitrophenyl maleimide-maleic anhydride-methyl methacrylate) terpolymers, 8 (2020) 104560.

120. Mohammad Dinari, Sima Neamat, In Situ Polymerization of Polyaniline in Silane Modified Calcium Based Layered Double Hydroxide Intercalated Tartrate, Inorg. Chem. Res., Vol. 4, (2020) No. 2, 250-260.

121. N Mokhtari, MM Khataei, **M Dinari**, BH Monjezi, Y Yamini, M Hatami, Solid-phase extraction and microextraction of chlorophenols and triazine herbicides with a novel hydrazone-based covalent triazine polymer as the adsorbent, Microchemical Journal, (2020) 105634.

122. M Konari, E Heydari-Bafrooei, **M Dinari**, Efficient immobilization of aptamers on the layered double hydroxide nanohybrids for the electrochemical proteins detection, International Journal of Biological Macromolecules (2020)

123. J Imanipoor, A Ghafelebashi, M Mohammadi, **M Dinari**, M Ehsani, Fast and effective adsorption of amoxicillin from aqueous solutions by L-methionine modified montmorillonite K10, Colloids and Surfaces A: Physicochemical and Engineering Aspects, (2020) 125792.

124. R Soltani, M Pishnamazi, R Pelalak, M Rezakazemi, A Marjani, **M Dinari**, Preparation of COOH-KCC-1/polyamide 6 composite by in situ ring-opening polymerization: synthesis, characterization, and Cd (II) adsorption study, Journal of Environmental Chemical Engineering, (2020) 104683.

125. P Asadi, M Falsafin, **M Dinari**, Construction of new covalent organic frameworks with benzimidazole moiety as Fe3+ selective fluorescence chemosensors, Journal of Molecular Structure, (2020) 129546.

126. M Afshari, **M Dinari**, H Moradi, Z Noori, Polyaniline/sulfonated-covalent organic polymer nanocomposite: Structural and dye adsorption properties, Polymers for Advanced Technologies 31 (11), 2433-2442.

127. **M Dinari**, H Allami, MM Momeni, A high-performance electrode based on Ce-doped nickel cobalt layered double hydroxide growth on carbon nanotubes for efficient oxygen evolution, Journal of Electroanalytical Chemistry 877, (2020) 114643

128. Erfan Rezvani Ghomi, Rasoul Esmaeely Neisiany, Saied Nouri Khorasani, **M Dinari**, Shahla Ataei, Mohammad Sadegh Koochaki, Seeram Ramakrishna, Development of an epoxy self-healing coating through the incorporation of acrylic acid-co-acrylamide copolymeric gel, Progress in Organic Coatings, 149 (2020) 105948

129. **M Dinari**, Atefeh Haghighi, Parvin Asadi, Facile synthesis of ZnAl-EDTA layered double hydroxide/poly (vinyl alcohol) nanocomposites as an efficient adsorbent of Cd (II) ions from the aqueous solution, Applied Clay Science, 170 (2019) 21-28.

130. Afsaneh Fakhar, Morteza Sadeghi, **M Dinari**, Rob Lammertink, Association of hard segments in gas separation through polyurethane membranes with aromatic bulky chain extenders, Journal of Membrane Science, 574 (2019) 136-146.

131. Shadi RasoulPour, Amir Abdolmaleki, and **Mohammad Dinari**, Immobilization of new macrocyclic Schiff base copper complex on graphene oxide nanosheets and its catalytic activity for olefins epoxidation; J Mater Sci (2019) 54:2885–2896.

132. Mohaddeseh Afshari, **Mohammad Dinari**, Mohamad Mohsen Momeni, The graphitic carbon nitride/polyaniline/silver nanocomposites as a potential electrocatalyst for hydrazine detection, 833 (2019) 9-16.

133. **Mohammad Dinari**, Mohammad Hatami, Novel N-riched crystalline covalent organic framework as a highly porous adsorbent for effective cadmium removal, Journal of Environmental Chemical Engineering, 102907 (2019) 1-12.

134. Nosaibe Anahidzadea, Amir Abdolmaleki, **Mohammad Dinari**, Koorosh Firouz Tadavania, Mohammad Zhiania; Metal-organic framework anchored sulfonated poly(ether sulfone) as a high temperature proton exchange membrane for fuel cells; Journal of Membrane Science 565 (2018) 281–292.

135. Zahra Babaei, Alireza Najafi Chermahini, **Mohammad Dinari**, Alumina-coated mesoporous silica SBA-15 as a solid catalyst for catalytic conversion of fructose into liquid biofuel candidate ethyl levulinate; Chemical Engineering Journal 352 (2018) 45–52.

136. Omid Rahmanian, **Mohammad Dinari**, Sima Neamati; Synthesis and characterization of citrate intercalated layered double hydroxide as a green adsorbent for Ni^{2+} and Pb^{2+} removal. Environmental Science and Pollution Research (2018) 25:36267–36277.

137. Marziyeh Poshteh Shirani, Behzad Rezaei, Taghi Khayamian, **Mohammad Dinari**, Fazileh Hosseini Shamili, Mohammad Ramezani; Ingenious pH-sensitive etoposide loaded folic acid decorated mesoporous silica-carbon dot with carboxymethyl-βcyclodextrin gatekeeper for targeted drug delivery and imaging; Materials Science & Engineering C 92 (2018) 892–901.

138. Zahra Babaei, Alireza Najafi Chermahini, **Mohammad Dinari**, Cleaner production of 5-hydroxymethylfurfural from fructose using ultrasonic propagation; Journal of Cleaner Production 198 (2018) 381-388.

139. Morteza Sadeghi, Ahmad Arabi Shamsabadi, Anahita Ronasi, Ali Pournaghshband Isfahani, **Mohammad Dinari**, Masoud Soroush; Engineering the dispersion of nanoparticles in polyurethane membranes to control membrane physical and transport properties; Chemical Engineering Science 192 (2018) 688–698.

140. Gholamhossein mohammadnezhad, **Mohammad Dinari**, Afshin Nabiyan; High Surface Area Nano-Boehmite as Effective Nano-Filler for Preparation of Boehmite-Polyamide-6 Nanocomposites; Adv Polym Technol; 37, (2018) 21783.

141. **Mohammad Dinari**, Reyhane Tabatabaeian; Ultra-fast and highly efficient removal of cadmium ions by magnetic layered double hydroxide/guargum bionanocomposites; Carbohydrate Polymers; 192, (2018) 317-326.

142. Rahmanian, O., Amini, S., **Dinari, M**. Preparation of zinc/iron layered double hydroxide intercalated by citrate anion for capturing Lead (II) from aqueous solution, Journal of Molecular Liquids, 2018, 256, pp. 9-15

143. Shahvar, A., Soltani, R., Saraji, **M., Dinari**, M., Alijani, S. Covalent triazine-based framework for micro solid-phase extraction of parabens, Journal of Chromatography A, 1565 (2018) 48–56.

144. Omid Rahmanian, **Mohammad Dinari**, Mahmood Karimi Abdolmaleki, Carbon quantum dots/layered double hydroxide hybrid for fast and efficient decontamination of Cd(II): The adsorption kinetics and isotherms; Applied Surface Science 428 (2018) 272–279).

145. **Mohammad Dinari**, Fateme Bina, Taghi Khayamian; Poly(vinyl alcohol)-based Electrospun Nanofibers for the Sustained Release of Celecoxib: Characterization and Evaluation of Drug Release Mechanism; Polym. Compos., 2018, 39, Pages E221-E227.

146. **Mohammad Dinari**, Elahe Salehi, Amir Abdolmaleki; Thermal and morphological properties of nanocomposite materials based on graphene oxide and L-leucine containing poly(benzimidazole-amide) prepared by ultrasonic irradiation; Ultrasonics-Sonochemistry 41 (2018) 59–66.

147. Karami, K., Rahimi, **M., Dinari**, M. High catalytic activity of a new Ag phosphorus ylide complex supported on montmorillonite: synthesis, characterization, and application for room temperature nitro reduction, Journal of the Iranian Chemical Society, 2018, 15(2), pp. 281-291

148. Elham Shamirzaei Jeshvaghani, Laleh Ghasemi-Mobarakeh, Reza Mansurnezhad, Fatemeh Ajalloueian, Mahshid Kharaziha, **Mohammad Dinari**, Maryam Sami Jokandan, Ioannis S. Chronakis; Fabrication, characterization, and biocompatibility assessment of a novel elastomeric nanofibrous scaffold: A potential scaffold for soft tissue engineering; J Biomed Mater Res Part B: Appl Biomater; Biomater 106B (2018) 2371–2383.

149. Mohaddeseh Afshari, **Mohammad Dinar**i, Mohamad Mohsen Momeni; Ultrasonic irradiation preparation of graphitic-C_3N_4/polyaniline nanocomposites as counter electrodes for dye-sensitized solar cells; Ultrasonics - Sonochemistry 42 (2018) 631–639.

150. Gholamhossein Mohammadnezhad, **Mohammad Dinari**, Afshin Nabiyan, High Surface Area Nano-Boehmite as Effective Nano-Filler for Preparation of Boehmite-Polyamide-6 Nanocomposites. Advances in Polymer Technology, 2018, 37(4), pp. 1221-1228

151. **Mohammad Dinari**, Fateme Gharahi, Parvin Asadi, Synthesis, spectroscopic characterization, antimicrobial evaluation and molecular docking study of novel triazine-quinazolinone based hybrids; Journal of Molecular Structure 1156 (2018) 43-50.

152. **Mohammad Dinari**, Atefeh Haghighi; Ultrasound-assisted synthesis of nanocomposites based on aromatic polyamide and modified ZnO nanoparticle for removal of toxic Cr(VI) from water; Ultrasonics - Sonochemistry 41 (2018) 75–84.

153. Roozbeh Soltani, **Mohammad Dinari**, Gholamhossein Mohammadnezhad, Ultrasonic-assisted synthesis of novel nanocomposite of poly (vinyl alcohol) and amino-modified MCM-41: a green adsorbent for Cd (II) removal, Ultrasonics Sonochemistry, 40, 2018, 533-542.

154. Roozbeh Soltani, Ali Shahvar, **Mohammad Dinari**, Mohammad Saraji, Environmentally-friendly and ultrasonic-assisted preparation of two-dimensional ultrathin Ni/Co-NO_3 layered double hydroxide nanosheet for micro solid-phase extraction of phenolic acids from fruit juices, Ultrasonics Sonochemistry, 40, 2018, 395-401.