



Mehrnaz Gharagozlou

Associate Professor

Faculty: Surface Coating and Novel Technologies
Faculty

Department: Department of Nano Materials and Nano
Coatings

Education

Degree	Graduated in	Major	University
BSc	2002	Chemistry	Sharif University of Technology
MSc	2004	Inorganic Chemistry	Sharif University of Technology
Doctoral	2007	Nano inorganic Chemistry	Sharif University of Technology

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
Institute for Color Science and Technology (ICST)	Associate Professor	Tenured	Full Time	

Membership in Scientific Societies

Member of National Elites Foundation 2007 up to now

Papers in Journals

1. Mehrnaz Gharagozlou, بررسی سینتیک حذف دو نوع ماده آلاینده رنگزا از آب توسط نانوکامپوزیت، *Fe₂O₃/NiO* در نانوکاتالیست، *Nanomaterials*, ۲۰۲۲، بستر سیلیکا به عنوان نانوکاتالیست.
2. N Rahbari Fard, M Gharagozlou, SR Allahkaram. A Review of Improving Corrosion Wear Resistance Properties of Magnesium Alloys Using Nanoparticles of Zinc Oxide Pigment by Plasma Electrolytic Oxidation Method. *Journal of Studies in Color World*. ۲۰۲۱.
3. M Gharagozlou, M Ghahari, M Heydari, Dye removal from aqueous solution by magnetic nanocomposites of metal-organic framework with NiFe₂O₄@ SiO₂, *Nanochemistry Research*, 2023.
4. M Gharagozlou, S Rouhani, A New Reusable Mercury-Sensitive Turn-On Nano-Chemosensor Based on Functionalized CoFe₂O₄@ SiO₂ Magnetic Nanocomposite, *Progress in Color, Colorants and*

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5. T Saemian, MH Sadr, MT Yarak, M Gharagozlou, B Soltani, Synthesis and characterization of CoFe₂O₄/SiO₂/Cu-MOF for degradation of methylene blue through catalytic sono-Fenton-like reaction, *Inorganic Chemistry Communications*, 2022.
6. M Ghalkhani, M Gharagozlou, E Sohoul, EM Khosrowshahi, Preparation of an electrochemical sensor based on a HKUST-1/CoFe₂O₄/SiO₂-modified carbon paste electrode for determination of azaperone, *Microchemical Journal*, 2022.
7. M Heydari, M Gharagozlou, M Ghahari, S Sadjadi, Synthesis and characterization of CoFe₂O₄@TiO₂@ HKUST-1 as a novel metal-organic framework nanocomposite, *Inorganic Chemistry Communications*, 2021.
8. M Heydari, M Gharagozlou, M Ghahari, Synthesis and application of nanocomposite containing metal-organic framework and magnetic nanoparticles in silica matrix for decolorization of methylene blue, *Journal of Color Science and Technology*, 2021.
9. M Gharagozlou, S Zhahabi, Synthesis and Characterization of Novel Hybrid Nanocomposite containing Modified Titanium Dioxide Nanoparticles with Copper and Phthalocyanine Pigment, *Nanochemistry Research*, 2021.
10. M Gharagozlou, S Naghibi, Sol–Gel Based Liquid-Mix Method for the Synthesis of ZnFe₂O₄ Spinel, *Progress in Color, Colorants and Coatings*, 2021.
11. M Gharagozlou, S Rouhani, A Comparative Study on the Environmental Friendly, *Carbohydr. Polym.*, 2021.
12. M Heydari, M Gharagozlou, M Ghahari, S Naghibi, NiFe₂O₄@SiO₂@Cu₃(BTC)₂ nanocomposite as a magnetic metal–organic framework, *Applied Organometallic Chemistry*, 2020.
13. T Saemian, M Gharagozlou, M Hossaini Sadr, S Naghibi, A Comparative Study on the Pollutant Removal Efficiency of CoFe₂O₄@HKUST-1 MOF and CoFe₂O₄ Nanoparticles, *Journal of Inorganic and Organometallic Polymers and Materials*, 2020.
14. T Saemian, M Gharagozlou, M Hossaini Sadr, A Review of the Recent Advances in the Field of Adsorptive and Photocatalytic Removal of Organic Dyes in Water by Metal-Organic Frameworks, *Journal of Studies in Color World*, 2020.