



## Ebrahim Ghasemi

Associate Professor

Faculty: Dyes and Pigments Faculty

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### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(تنظیم نشده)	(تنظیم نشده)	Tenured	Full Time	

### Papers in Journals

1. Hamed Forootan, Kamaladin Gharanjig, Ebrahim Ghasemi, Majid Mazhar, Aylin Gharanjik & Shima Jahankaran. Investigation of Synthesis, Application and Fluorescent Properties of Novel Acid Dyes Based on Perylene on Polyamide Fabrics. *Fibers and Polymers*, ۲۰۲۳ ۰۲ ۲۰.
2. Azam Pirkarami , Sousan Rasouli , Ebrahim Ghasemi, Enhancing water splitting via weakening H<sub>2</sub> and O<sub>2</sub> adsorption on NiCo-LDH@CdS due to interstitial nitrogen doping: A close look at the mechanism of electron transfer, *Journal of Energy Chemistry*, June 2021.
3. Leila Fereidooni , Azam Pirkarami , Ebrahim Ghasemi , Alibakhsh Kasaeian Show more, Using ZnAl-LDH@SiO<sub>2</sub> as a catalyst for the electrocatalytic conversion of waste frying oil into biodiesel, *Energy Conversion and Management*, 2023 11 15.
4. Hamed Forootan, Kamaladin Gharanjig, Ebrahim Ghasemi, Majid Mazhar, Aylin Gharanjik & Shima Jahankaran, Investigation of Synthesis, Application and Fluorescent Properties of Novel Acid Dyes Based on Perylene on Polyamide Fabrics, *Fibers and Polymers*, 2023 02 20.
5. Amir Reza Sadrolhosseini , Ebrahim Ghasemi , Azam Pirkarami , Seyedeh Mehri Hamidi , Reza Taheri Ghahrizjani e, Highly sensitive surface plasmon resonance sensor for detection of Methylene Blue and Methylene Orange dyes using NiCo-Layered Double Hydroxide", *Optics Communications*, 2023 02 15.
6. Azam Pirkarami , Sousan Rasouli , Ebrahim Ghasemi, CdS@ NiCo-LDH hybrid photoelectrocatalyst with enhanced photocatalytic activity: A convenient and stable hybrid for wastewater treatment, *Journal of Alloys and Compounds*, 2022 08 05.
7. Azam Pirkarami , Sousan Rasouli , Ebrahim Ghasemi, CdS@ NiCo-LDH hybrid photoelectrocatalyst with enhanced photocatalytic activity: A convenient and stable hybrid for wastewater treatment, *Journal of Alloys and Compounds*, 2021 08 05.
8. Hosseini, S., Ghasemi, E, Synthesis and characterization of hybrid MgAl-LDH@SiO<sub>2</sub>@CoAl<sub>2</sub>O<sub>4</sub> pigment with high NIR reflectance for sustainable energy saving applications, *Applied Clay Science*, 2020.
9. Mahsa Davoodi, Ebrahim Ghasemi, Bahram Ramezanzadeh, Mohammad Mahdavian, Designing a zinc-encapsulated Feldspar as a unique rock-forming tectosilicate nanocontainer in the epoxy coating;

improving the robust barrier and self-healing anti-corrosion properties, *Construction and Building Materials*, 2020.

10. Majd Mahsa, Davoodi, Ebrahim Ghasemi, Bahram Ramezanzadeh, Mohammad Mahdavian, Construction of a smart active/barrier anti-corrosion system based on epoxy-ester/zinc intercalated kaolin nanocontainer for steel substrate, *Construction and Building Materials*, 2020.
11. Olya, N., Ghasemi, E., Ramezanzadeh, B., Mahdavian, M, Synthesis, characterization and protective functioning of surface decorated Zn-Al layered double hydroxide with SiO<sub>2</sub> nano-particles, *Surface and Coatings Technology*, 2020.
12. Alibakhshi, E., Ghasemi, E., Mahdavian, M., Ramezanzadeh, B., Mana yasaei, The effect of interlayer spacing on the inhibitor release capability of layered double hydroxide based nanocontainers, *Journal of Cleaner Production*, 2020.
13. Sadeghi, & Niaraki, S., Ghasemi, B., Habibolahzadeh, A., Ghasemi, E., Ghahari, M., Nanostructured Fe<sub>2</sub>O<sub>3</sub>@TiO<sub>2</sub> pigments with improved NIR reflectance and photocatalytic ability, *Materials Chemistry and Physics*, 2020.
14. Kasaeian, M., Ghasemi, E., Ramezanzadeh, B., Mahdavian, M, Graphene oxide as a potential nanocarrier for Zn(II) to fabricate a dual-functional active/passive protection; sorption/desorption characteristics and electrochemical evaluation, *Journal of Industrial and Engineering Chemistry*, 2020.
15. S. Sadeghi, & Niaraki, B. Ghasemi, A. Habibolahzadeh, E. Ghasemi, M. Ghaharid, Cool and photocatalytic reddish-brown nanostructured Fe<sub>2</sub>O<sub>3</sub>@SiO<sub>2</sub>@TiO<sub>2</sub> pigments, *Materials Science and Engineering: B*, pp. Volume 262, December 2020, 114752, 2020.
16. Behrooz Ghasemi, Ali Habibolahzadeh, Ebrahim Ghasemi, Mehdi Ghahari, Preparation of (Fe,Cr)<sub>2</sub>O<sub>3</sub>@TiO<sub>2</sub> cool pigments for energy saving applications, *Journal of Alloys and Compounds*, 2019.