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Faculty: Dyes and Pigments Faculty

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Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	Tenured	Full Time	17

Papers in Conferences

1. IMPACT OF MORDANTS ON DYEING OF SILK WITH SUSTAINABLE NATURAL COLORANT EXTRACTED FROM CASSIA FISTULA BROWN PODS ,5th International Anatolian Scientific Research Congress ,2023.
2. M. Hosseinezhad, K. Gharanjig ,Synthesis and application of an organic dye in nanostructure solar cells device ,20th International Conference on Nanotechnology Materials and Application ,9 2018, م 17.
3. M. Hosseinezhad, S. Moradian, K. Gharanjig ,The Synthesis and Application of an Organic Dye for Solar Cell ,The 22nd Iranian Seminar of Organic Chemistry ,19 8 2018, تبریز.
4. 2 ,& M. Hosseinezhad, K. Gharanjig, S. Moradian ,Synthesis of an organic dye for dye-sensitized solar cells ,20th Iranian Chemistry Congress ,17 7 2018, مشهد.
5. M. Hosseinezhad, K. Gharanjig ,Preparation of dye-sensitized solar cells based on new organic dye ,20th Iranian Chemistry Congress ,17 7 2018, مشهد.
6. M. Hosseinezhad, K. Gharanjig ,Synthesis and investigation of an organic dyes for dye-sensitized solar cells ,The 25th Iranian Seminar of Organic Chemistry ,2 9 2017, تهران.
7. M. Hosseinezhad, K. Gharanjig ,Investigation of green dye-sensitized solar cells based on natural dyes ,19th International Conference on Chemical and Food Engineering ,21 6 2017, وین.
8. M. Hosseinezhad, S. Rouhani ,Synthesis and investigation of new organic dyes in dye-sensitized solar cells ,19th Iranian Chemistry Congress ,20 2 2017, شیراز.
9. M. Hosseinezhad, K. Gharanjig ,Fabrication and investigation of nanostructured dye-sensitized solar cells using ZnO and TiO₂ nanoparticle ,International Biennial Conference on Ultrafine Grained and Nanostructured Materials ,12 11 2017, کیش.
10. M. Hosseinezhad, K. Gharanjig ,Synthesis and application of organic dye in nanostructure dye solar cell ,3rd International Conference on Nanotechnology ,27 8 2015, استانبول.
11. M. Hosseinezhad, S. Moradian, K. Gharanjig ,The synthesis of an organic dyes based on thioindigo for dye-sensitized solar cells ,The Energy and Materials Conference ,25 2 2015, مادرید.
12. M. Hosseinezhad, S. Moradian, K. Gharanjig ,Investigation of photovoltaic properties of dye-

sensitized solar cells based on indigo dyes in the presence of an anti-aggregation agent ,The Energy and Materials Conference ,25 2 2015, مادرید.

13. M. Hosseinezhad, S. Moradian, K. Gharanjig ,The Synthesis of Organic Dye for Nanostructure Dye Solar Cell ,The 22nd Iranian Seminar of Organic Chemistry ,19 8 2014, تبریز.

Papers in Journals

1. Mozghan Hosseinezhad , Sohrab Nasiri , Javad Movahedi , Mehdi Ghahari.Improving the efficiency of organic sensitizers with various anchoring groups for solar energy application.Solar Energy,مجلد ۲۲۸,۲۰۲۰, شماره صفحات ۲۱۱.
2. Investigation of the combination of indoline and naphthalimide in the preparation of photosensitizers for photovoltaic devices,Journal of Electronic Materials,Vol. 54,pp. 473,2025.
3. Heart engineering of photovoltaic devices: preparation new Ru dyes using thioindigo and phenothiazine,Applied Organometallic Chemistry,Vol. 39,pp. e7766,2025.
4. M. Anandan et al.,High triplet hexahydroacridine derivatives as a host prevent exciton diffusion to adjacent layers in solution processed OLEDs,Organic Electronics,2025.
5. H. Bahman et al.,Stabilization and sustained release of rutin dye via eco-friendly Zn/Al-LDH adsorbent: kinetic, thermodynamic, and antioxidant investigation,Journal of Molecular Structure,Vol. 1319,pp. 139616,2025.
6. Investigation of the use of food waste in renewable energy production: extraction, fabrication and characterization of natural photosensitizers in DSSCs,Sustainable Energy Technologies and Assessments,Vol. 72,pp. 104066,2024.
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9. Introduction thioindigo as new high stability unit in Ru-complex for DSSCs: Theoretical and photovoltaic investigation,Optical Materials,Vol. 150,pp. 115273,2024.
10. S. Nasiri et al.,What is TADF (thermally activated delayed fluorescence) compared to the mechanisms of FL (fluorescence), PH (phosphorescence), and TTA (triplet-triplet annihilation) based on a novel naphthalimide sulfonylphenyl derivative as a host?,Journal of Photochemistry and Photobiology, A: Chemistry,Vol. 447,pp. 115289,2024.
11. R. Jafari , K. Gharanjig , M. Hosseinezhad,Sunstitution of metal ion mordant with biomordants: effect on color and fastness of reseda dyed on wool yarns,The Journal of The Textile Institute,2023.
12. S. Nasiri et al.,Acceptor-phenyl-donor mechanochromic dyes based on 9-Bromoanthracene,Journal of Molecular Structure,Vol. 1278,pp. 134953,2023.
13. Environmentally dyeing of wool yarns using combination of Myrobalan and Walnut husk as bio-mordant,Prog. Color Colorants Coat.,pp. 197-205,2023.
14. S. Barkaat et al.,Sustainable microwave-assisted extraction of santalin from red sandal wood powder (ptecarpus santalinus) for bio-coloration of mordanted silk fabric,Separation,Vol. 10,pp. 118,2023.
15. M. Hosseinezhad ,& Z. Ranjbar,A review on flexible dye-sensitized solar cells as new sustainable energy resources,Pigment and Resin Technology,2023.
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18. P.P. Gawas et al.,Significance of Zn Complex Concentration on Microstrure Evolution and Corrosion Behavior Al/WS2,Molecules,Vol. 28,pp. 7290,2023.

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