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Associate Professor

Faculty: Dyes and Pigments Faculty

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Employment Information

| Faculty/Department | Position/Rank | Employment Type | Cooperation Type | Grade |
|--------------------|---------------|-----------------|------------------|-------|
| (not set) | (not set) | Tenure Track | Full Time | 14 |

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. Hosseinneshad, K. Gharanjig ,Synthesis and application of an organic dye in nanostructure solar cells device ,20th International Conference on Nanotechnology Materials and Application ,9 2018, رم 17.
3. M. Hosseinneshad, 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. Hosseinneshad, K. Gharanjig, S. Moradian ,Synthesis of an organic dye for dye-sensitized solar cells ,20th Iranian Chemistry Congress ,17 7 2018, مشهد.
5. M. Hosseinneshad, K. Gharanjig ,Preparation of dye-sensitized solar cells based on new organic dye ,20th Iranian Chemistry Congress ,17 7 2018, مشهد.
6. M. Hosseinneshad, 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. Hosseinneshad, 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. Hosseinneshad, S. Rouhani ,Synthesis and investigation of new organic dyes in dye-sensitized solar cells ,19th Iranian Chemistry Congress ,20 2 2017, شیراز.
9. M. Hosseinneshad, 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. Hosseinneshad, K. Gharanjig ,Synthesis and application of organic dye in nanostructure dye solar cell ,3rd International Conference on Nanotechnology ,27 8 2015, استانبول.
11. M. Hosseinneshad, 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. Hosseinneshad, 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. Hosseinneshad, 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 Hosseinneshad , 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. S.A.R. Naqvia et al.,Modern ecofriendly approach for extraction of luteolin natural dye from weld for silk fabric and wool yarn dyeing,Sustainable Chemistry and Pharmacy,2024.
3. Introduction thioindigo as new high stability unit in Ru-complex for DSSCs: Theoretical and photovoltaic investigation,Optical Materials,Vol. 150,pp. 115273,2024.
4. 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.
5. M. Hosseinneshad , K. Gharanjig , S. Adeel , A. Mahmoudi Nahavandi,In quest for improvement of dyeing properties using agriculture waste: utilization of oleaster as new bio-mordant for wool yarns,Environmental Science and Pollution Research,Vol. 30,pp. 122262,2023.
6. S. Nasiri et al.,Acceptor-phenyl-donor mechanochromic dyes based on 9-Bromoanthracene,Journal of Molecular Structure,Vol. 1278,pp. 134953,2023.
7. Environmentally dyeing of wool yarns using combination of Myrobalan and Walnut husk as bio-mordant,Prog. Color Colorants Coat.,pp. 197-205,2023.
8. 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.
9. M. Hosseinneshad ,& Z. Ranjbar,A review on flexible dye-sensitized solar cells as new sustainable energy resources,Pigment and Resin Technology,2023.
10. S. Nasiri et al.,Investigation of the influence of persulfurated benzene derivatives on optical and carrier mobility properties,Materials Letters,Vol. 342,pp. 134323,2023.
11. M. Hosseinneshad , M. Ghahari , G. Mobarhan , S. Rouhani,Towards low cost and green photovoltaic devise: using natural photosensitizers and grapheme oxide composite counter electrode,Optical Materials,2023.
12. R. Jafari , K. Gharanjig , M. Hosseinneshad,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.
13. P.P. Gawas et al.,Significance of Zn Complex Concentration on Microstrure Evolution and Corrosion Behavior Al/WS2,Molecules,Vol. 28,pp. 7290,2023.
14. 1 et al.,New insights into improving the photovoltaic performance of dye-sensitized solar cells by removing platinum from the counter electrode using a grapheme-MoS2 composite or hybrid,Micromachines,Vol. 14,pp. 2161,2023.
15. M. Hosseinneshad , K. Gharanjig , S. Adeel , A. Mahmoudi Nahavandi,Clean dyeing of wool yarns using oleaster fruit components as new bio-mordant: a step toward reducing agricultural waste,Clean Technologies and Environmental Policy,2023.
16. R. Ghomashi et al.,Synthesis and invwstigation of the theoretical and experimental optical properties of some novel azo pyrazole sulfonamide hybrids,Materials Letters,pp. 132132,2022.
17. Enhanced thermal stability of anthocyanins through natural polysaccharides fromAngum gum and cress seed gum,Journal of Food Science,Vol. 87,pp. 585,2022.
18. Introduction of new configuration of dyes contain indigo group for dye-sensitized solar cells: DFT

and photovoltaic study, *Optical Materials*, pp. 111999, 2022.

19. S. Nasiri et al., Mechanochromic and thermally activated delayed fluorescence dyes obtained from D-A-D' type, consisted of xanthen and carbazole derivatives as an emitter layer in organic light emitting diodes, *Chemical Engineering Journal*, pp. 1311877, 2022.

20. S. Nasiri et al., New approach of mechanochromic, thermally activated delayed fluorescence' dyes consisting of "thioxanthenone derivative as an acceptor unit and two carbazole derivatives as the donor units, *Optical Materials*, Vol. 127, pp. 112320, 2022.

21. Environmentally friendly dyeing of wool yarns using of combination of bio-mordants and natural dyes, *Environmental Progress and Sustainable Energy*, 2022.

22. N. Habib et al., Environmental-friendly extraction of Peepal (*Ficus Religiosa*) bark-based reddish brown tannin natural dye for silk coloration, *Environmental Science and Pollution Research*, pp. 35048, 2022.

23. S. Adeel et al., Eco-friendly bio-dyeing of bio-treated nylon fabric using Esfand (*P. harmala*) based yellow natural colorant, *Journal of Engineered Fibers and Fabrics*, pp. 1-15, 2022.

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