



کمال الدین قرنجیگ

استاد

پژوهشکده: مواد رنگزا

گروه پژوهشی: مواد رنگزای آلی



سوابق تحصیلی			
مقطع تحصیلی	سال اخذ مدرک	رشته و گرایش تحصیلی	دانشگاه
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اطلاعات استخدامی				
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عضویت در هیات تحریریه مجلات علمی و پژوهشی

سردبیر نشریه علوم و فناوری رنگ

سردبیر نشریه مواد پیشرفته و پوشش های نوین

عضو هیات تحریریه Progress in color, colorants and coatings

عضو هیات تحریریه نشریه مطالعات در دنیای رنگ

عضویت در انجمن های علمی

عضو انجمن صنایع رنگ ایران

عضو جامعه متخصصین نساجی ایران

1. موسی صادقی کیاخانی، سیامک صفاپور، کمال الدین قرنجیگ، الهه هاشمی، Surface Modification of Wool, Yarn with Ag/Zn Nanocomposite: Characterization and Antimicrobial Studies, ISPST 2011, 2018
2. مزگان حسین نژاد، کمال الدین قرنجیگ، Synthesis and Application of an Organic Dye in Nanostructure Solar Cells Device, International Conference on Nanotechnology Materials and Applications, 2018
3. حبیب الله بهمن، شهره روحانی، مزگان حسین نژاد، حمید قرنجیگ، نرگس اشرفی، هومن ایمانی، کمال الدین قرنجیگ، Green Dyeing of Wool Carpet Yarns by Optimized Solid Liquid Extraction of Reseda, Luteola and Terminalia Chebula as a Biomordant, Autex, 2018
4. موسی صادقی کیاخانی، سیامک صفاپور، کمال الدین قرنجیگ، ا. قاموس، سیدمسعود اعتضاد، الهه هاشمی، In Situ Antibacterial Finishing of Wool Yarns Treated with Ag/ Cu Composite Nano Particles, Autex, 2018
5. حمید قرنجیگ، کمال الدین قرنجیگ، علیرضا خسروی، Effects of Polycarboxylates as Dye Dispersant, on Dyeing Properties of Polyester, Autex, 2018
6. سارا چابک رو، مهدی قهاری، کمال الدین قرنجیگ، The Kinetics of Alizarin Red S Adsorption on, Silicon Dioxide, The 7th International Color and Coating Congress, 2017
7. مزگان حسین نژاد، کمال الدین قرنجیگ، Fabrication and Investigation of Nanostructured Dye-Sensitized Solar Cells Using ZnO and TiO₂ Nanoparticles, 6th International Conference on UltraFine Grained and NanoStructured Materials (UFGNSM 2017), 2017
8. مزگان حسین نژاد، کمال الدین قرنجیگ، Investigation of Green Dye-Sensitized Solar Cells Based on, Natural Dyes, 19th International Conference on Chemical and Food Engineering, 2017
9. حجت خراطی، کمال الدین قرنجیگ، ش. هاشمی زاد، حمید قرنجیگ، Stability of Dispersion of Pigment, Red 2 in The Presence of Polymeric Dispersing Agents, The 5th International Congress on Transportation, Traffic and Safety Coatings, 2016
10. محمد دودانگه، کمال الدین قرنجیگ، مختار آرامی، Synthesis and Characterization of Naphthalimide Based Dye and its Application in The Signage on The Transportation Networks, The 5th International Congress on Transportation, Traffic and Safety Coatings, 2016
11. مزگان حسین نژاد، کمال الدین قرنجیگ، Synthesis and Evaluation of Photovoltaic Properties of an Organic Dye for Dye-Sensitized Solar Cells, 18th International Conference on Power Electronic, 2016
12. مزگان حسین نژاد، سیامک مرادیان، کمال الدین قرنجیگ، The Synthesis of An Organic Dyes Based on Thioindigo for Dye-Sensitized Solar Cells, The Energy and Materials Research Conference (EMR 2015), 2015
13. محمدرضا شاه پروری، سیامک صفاپور، کمال الدین قرنجیگ، Study on Color Characteristics of Wool Dyed with Crude and Extracted Prangos Ferulacea Natural Dye, The 6th International Color and Coating Congress (ICCC 2015), 2015
14. لیلا مهرپرور، سیامک صفاپور، موسی صادقی کیاخانی، کمال الدین قرنجیگ، Color Yield Enhancement of, Dactylopius Coccus Dye on Wool via an Eco-Benign Method, The 6th International Color and Coating Congress (ICCC 2015), 2015
15. مزگان حسین نژاد، سیامک مرادیان، کمال الدین قرنجیگ، Synthesis of an Organic Dye Based on Thioindigo for Dye-Sensitized Solar Cells, The 6th International Color and Coating Congress (ICCC 2015), 2015
16. مزگان حسین نژاد، کمال الدین قرنجیگ، Synthesis and Application of An Organic Dye in Nanostructure Dye Solar Cell, 3rd International Conference on Nanotechnology (ICN 2015), 2015
17. مزگان حسین نژاد، کمال الدین قرنجیگ، سیامک مرادیان، Synthesis of Novel Organic Dyes Based on Indigo for Dye-Sensitized Solar Cells, 17th International Conference on Machine Design & Manufacturing Engineering (ICMDME 2015), 2015
18. مزگان حسین نژاد، سیامک مرادیان، کمال الدین قرنجیگ، Investigation of Photovoltaic Properties of,

1. M Souhangir, SM Bidoki, K Gharanjig, Synthesis of a novel fluorescent reactive dye based on coumarin-benzimidazole for high visibility dyeing of cotton, *Progress in Color, Colorants and Coatings*, شماره صفحات ۱۵ (۴), ۳۴۰, ۲۰۲۲-۳۲۷.
2. M Pishgar, K Gharanjig, ME Yazdanshenas, K Farizadeh, AS Rashidi, Synthesis and characterization of novel fluorescent reactive dyes for dyeing of cotton fabrics. *The Journal of (The Textile Institute ۱۱۳ (۴) شماره صفحات ۵۹۵-۶۰۵, ۲۰۲۲-۵۹۵*.
3. hosseinnezhad M , rouhni S , gharanjig K. Extraction and application of natural pigments for fabrication of green dye-sensitized solar cells. *Opto-Electronics Review*, ۲۰۱۸
4. Imani, H., Gharanjig, K., Ahmadi, Z, A novel efficient method for eco-friendly deep dyeing of wool yarns by extracted madder dyes in the presence of additives, *Industrial Crops and Products*, pp. 2022, 183, 114970, 2022
5. M Dodangeh, K Gharanjig, M Arami, M Mohammadian, Synthesis, Infra-red Study, and Application of Polyamidoamine Dendrimer Modified with 1, 8-naphthalimide Derivatives as Novel Fluorescent Disperse Dye, *Progress in Color, Colorants and Coating*, pp. 15 (3), 203-211, 2022
6. H Imani, K Gharanjig, Z Ahmadi, Eco-friendly single bath dyeing of wool yarns with extracted cochineal dye: optimization and additives effect, *Pigment & Resin Technology*, 2022
7. M Hosseinnezhad, K Gharanjig, S Adeel, S Rouhani, H Imani, N Razani, The effect of ultrasound on environmentally extraction and dyeing of wool yarns, *Journal of Engineered Fibers and Fabrics*, pp. 17, 15589250221104471, 2022
8. M Pishgar, K Gharanjig, ME Yazdanshenas, K Farizadeh, AS Rashidi, Dyeing of Cotton Fabrics with Novel Fluorescent Reactive Dyes Based on Fluorescein: Dyeing and Fluorescent Properties, Adsorption Isotherms, and Kinetic Studies, *Journal of Natural Fibers*, pp. 1-18, 2022
9. M Pishgar, K Gharanjig, ME Yazdanshenas, K Farizadeh, A Rashidi, Photophysical properties of a novel xanthene dye, *Progress in Color, Colorants and Coating (PCCC)*, pp. 15 (2), 87-96, 2022
10. M Hosseinnezhad, K Gharanjig, S Rouhani, N Razani, H Imani, Environmentally friendly dyeing of wool yarns using of combination of bio-mordants and natural dyes, *Environmental Progress & Sustainable Energy*, pp. e13868, 2022
11. H Gharanjig, K Gharanjig, MA Sarli, AT Ozguney, M Jalili, A Gharanjik, Effect of molecular composition of comb-like polycarboxylate dispersants on hydrophobic dye dispersion properties, *Journal of Molecular Liquids* 350, pp. 118615, 2022
12. M Hosseinnezhad, K Gharanjig, N Razani, R Jafari, MR Saeb, Green miles in dyeing technology: metal-rich pumpkin extracts in aid of natural dyes, *Environmental Science and Pollution Research*, pp. 1-9, 2022
13. J Mohammadian, H Haratizadeh, AM Aarabi, K Gharanjig, A Review of the Effect of Metal Doped Titanium Dioxide on the Dye-Sensitized Solar Cells, *Journal of Studies in Color World* 11 (4), pp. 63-75, 2022
14. M Souhangir, SM Bidoki, K Gharanjig, Synthesis and application of a novel fluorescent reactive dye based on fused iminocoumarin on cotton fabric, *Progress in Color, Colorants and Coatings*, 2022
15. M Hosseinnezhad, S Nasiri, M Fathi, M Ghahari, K Gharanjig, Introduction of new configuration of dyes contain indigo group for dye-sensitized solar cells: DFT and photovoltaic study, *Optical Materials* 124, pp. 111999, 2022
16. H Gharanjig, M Iri, M Hosseinnezhad, K Gharanjig, SM Jafari, Enhanced thermal stability of anthocyanins through natural polysaccharides from Angum gum and cress seed gum, *Journal of Food Science* 87 (2), pp. 585-598, 2022

- S Rouhani, M Hosseinnezhad, N Sohrab, K Gharanjig, A Salem, Investigation of the effect of rGO/TiO₂ on photovoltaic performance of DSSCs devices, *Progress in Color, Colorants and Coating (PCCC)* 15 (2), pp. 121-129, 2022 .17
- M Hosseinnezhad, K Gharanjig, S Rouhani, H Imani, N Razani, Environmentally Dyeing Using Dried Walnut Husk as Bio-Mordant: Investigation of Creating New Red and Yellow Shades on Wool, *Journal of Natural Fibers*, pp. 1-11, 2021 .18
- M Dodangeh, I Grabchev, D Staneva, K Gharanjig, 1, 8-Naphthalimide Derivatives as Dyes for Textile and Polymeric Materials: A Review, *Fibers and Polymers* 22 (9), pp. 2368-2379, 2021 .19
- M Peymannia, K Gharanjig, AM Arabi, Effect of zinc oxide quantum dots on the photovoltaic properties of natural dye-sensitized solar cells, *International Journal of Energy Research* 45 (3), pp. 4170-4183, 2021 .20
- M Hosseinnezhad, K Gharanjig, Review on Metal and Natural Mordants for Dyeing Fibers, *Journal of Studies in Color World* 10 (4), pp. 21-30, 2021 .21
- M Hosseinnezhad, K Gharanjig, R Jafari, H Imani, N Razani, Cleaner colorant extraction and environmentally wool dyeing using oak as eco-friendly mordant, *Environmental Science and Pollution Research* 28 (6), pp. 7249-7260, 2021 .22
- M Hosseinnezhad, K Gharanjig, R Jafari, H Imani, Green dyeing of woolen yarns with weld and madder natural dyes in the presences of biomordant, *Progress in Color, Colorants and Coating (PCCC)* 14 (1), pp. 35-45, 2021 .23
- Mohammad Dodangeh, Kamaladin Gharanjig, Ren , & Cheng Tang, Ivo Grabchev, Functionalization of PAMAM dendrimers with curcumin: Synthesis, characterization, fluorescent improvement and application on PET polymer, *Dyes and Pigments*, 2020 .24
- H Gharanjig , K Gharanjig , A Khosravi, Effects of the side chain density of polycarboxylate dispersants on dye dispersion properties, *Coloration Technology*, 2019 .25
- Mohammad Dodangeh, Kamaladin Gharanjig, Ren , & Cheng Tang, Ivo Grabchev., Functionalization of PAMAM dendrimers with curcumin: Synthesis, characterization, fluorescent improvement and application on PET polymer, *Dyes and Pigments*, 2019 .26
- Ashrafi N , Gharanjig K , Hossein nezhad M , Imani H , Razani N, Dyeing Properties and color fabrics using natural dye and mordant, *Progress in color, colorants and coatings*, 2018 .27
- M Hosseinnezhad, S Moradian , K Gharanjig , Sh Rouhani³ , M Ataefard, Investigation the effect of substrate photo-electrode based on screen method on performance of dye-sensitized solar cells, *progress in color, colorants and coatings*, 2018 .28
- M Hosseinnezhad , K Gharanjig , S Belbasi , M.R Saeb, The Use of Sumac as a Natural Mordant in Green Production of Iranian Carpet, *Fibers and Polymers*, 2018 .29
- M.R Shahparvari , M Safi , S Safapour , K Gharanjig, Compatibility of Natural Dyes on Aluminum Pre-Mordanted Woolen Yarns by Determination of Diffusion Coefficient, *International Journal of Environmental Science and Technology*, 2018 .30
- H Bahman , K Gharanjig , S Rouhani, Environmentally friendly dye for dye-sensitized solar cells from roots and stems of *Berberis vulgaris*, *International Journal of Environmental Science and Technology*, 2018 .31
- Ashrafi N , Gharanjig K , Hossein nezhad M , Imani H , Razani N, Dyeing Properties and Color Fabrics Using Natural Dye and Mordant, *progress in color, colorants and coatings*, 2018 .32
- Dodangeh M , Gharanjig K , Hosseinnezhad M, The Synthesis of Poly(amidoamine) Dendrimer: Dyeing and Fluorescence Properties, *progress in color, colorants and coatings*, 2018 .33
- Bahman H , Gharanjig K , Rouhani S, Environmentally Friendly Dye for Dye-Sensitized Solar Cells from Roots and Stems of *Berberis Vulgaris*, *International Journal of Environmental Science and Technology*, 2017 .34
- Hosseinnezhad M , Gharanjig K , Elbasi S , Saadati S.H.S , Saeb M.R, The Use of Sumac as a Natural Mordant in Green Production of Iranian Carpet, *Fibers and Polymers*, 2017 .35
- Dodangeh M , Gharanjig K , Hosseinnezhad M, the synthesis of poly(amidoaminated) .36

- .dendrimer:dyeing and fluorescence properties,Fibers and Polymers,2017
- Hosseinnezhad M , Rouhani S , Gharanjig K,Extraction and Application of Natural Pigments .37
for Fabrication of Green Dye-Sensitized Solar Cells,Opto-Electronics Review,2017
- Mazhar M , Abdouss M , Gharanjig K , Teimuri mofrad R , Zargaran M,Effect of isomerism on .38
near infrared properties of perylene bisimide derivatives,Journal of Coatings Technology
.Research,2017
- Hosseinnezhad M , Moradian S , Gharanjig K,Investigation of Indigo\thioindigo tandem dye- .39
.sensitized solar cells,Progress in color,colorants and coatings,2017
- Hosseinnezhad M, Moradian S , Gharanjig K,Synthesis and characterization of indoline-based .40
.organic sensitizers for photoelectrochemical cells,Progress in color,colorants and coatings,2017
- Hosseinnezhad M , Gharanjig k , Belbasi S , Saadati S.H.S,Green dyeing of silk fabrics in the .41
presence of pomegranate extract as natural mordant,Progress in color,colorants and
.coatings,2017
- Mahmoodi N.M , Khari F.A , Khatibzadeh M , Gharanjig K,Synthesis of alginate amide .42
composite using microwave and its dye removal ability,Environmental engineering and
.management journal,2017
- Mazhar M , Abdouss M , Gharanjig K , Teimuri mofrad R,Synthesis, characterization and near .43
.infra-red properties of perylenebisimide derivative,Progress in Organic Coatings,2016
- Mehrparvar L , Safapor S , Sadeghi kiakhani M , Gharanjig K,Chitosan-polypropylene imine .44
dendrimer hybrid: a new ecological biomordant for cochineal dyeing of wool,Environmental
.Chemistry Letters,2016
- Mehrparvar L , Safapor S , Sadeghi kiakhani M , Gharanjig K,A cleaner and eco-benign .45
process for wool dyeing with madder, Rubia tinctorum L., root natural dye,International Journal
.of Environmental Science and Technology,2016
- Shaki H , Gharanjig K , Khosravi A , Mahboubi A,Investigation of synthesis, characterization .46
photophysical and biological properties of novel antimicrobial fluorescent naphthalimide
.derivatives,Materials Technology,2016
- Shaki H , Gharanjig K , Khosravi A,Spectral, dyeing and antimicrobial properties of some .47
.monoazo naphthalimide dyes on polyamide,Indian Journal of Fibre and Textile Research,2015
- Sadeghi ,& kiakhani M , Gharanjig K , Arami M,Grafting of prepared chitosan-poly (propylene) .48
imines dendrimer hybrid as a biopolymer onto cotton and its antimicrobial property,Journal of
.Industrial and Engineering Chemistry,2015
- Hosseinnezhad M , Gharanjig,K , Moradian S,Effect of anti-aggregation agent on photovoltaic .49
.performance of indoline sensitised solar cells,Material technology,2015
- Hosseinnezhad M , Moradian S , Gharanjig K,Investigation of effect of anti-aggregation agent .50
.on the performance of nanostructure dye-sensitized solar cells,Opto-Electron,2015
- Gharanjig K , Hosseinnezhad M,Effect of substituents moiety in organic sensitizer based on .51
carbazole on the performance of nanostructure dye-sensitised solar cells,Pigment and Resin
.Technology,2015
- Sadeghi ,& kiakhani M , Gharanjig K,Study of the Influence of Gemini Cationic Surfactants on .52
the Dyeing and Fastness Properties of Polyester Fabrics Using Naphthalimide Dyes,Journal of
.Surfactants and Detergents,2015
- Shaki H , Gharanjig K , Khosravi A,Synthesis and Investigation of Antimicrobial Activity and .53
Spectrophotometric and Dyeing Properties of Some Novel Azo Disperse Dyes Based on
.Naphthalimides,Biotechnology Progress,2015
- Hosseinnezhad M , Moradian S , Gharanjig K,Novel organic dyes based on thioindigo for dye- .54
.sensitized solar cells,Dyes and pigments,2015
- Hosseinnezhad M , Moradian S , Gharanjig K,Fruit extract dyes as photosensitizers in solar .55
.cells,RESEARCH COMMUNICATIONS,2015
- Hosseinnezhad M , Gharanjig K , Moradian S , Tafaghodi S,Synthesis and application of some .56

- novel fluorescent heterocyclic disperse dyestuffs based on phenothiazine on polyester, Arabian journal of chemistry, 2015
- Dodangeh M , Gharanjig K , Arami M, A novel Ag⁺ cation sensor on polyamidoamine dendrimer modified with 1, Spectrochimica acta, Molecular and biomolecular spectroscopy, 2015 .57
- Dodangeh M , Gharanjig K , Arami M , Atashrouz S, Surface alteration of polyamide fibers by polyamidoamine dendrimers and optimization of treatment process using neural network towards improving their dyeing properties, Dyes and Pigments, 2014 .58
- Dodangeh M , Gharanjig K , Arami M, Synthesis, characterization and photophysical properties of dendrimers modified with 1,8-naphthalimide derivatives as novel fluorescent pH sensors, IEEE Sensors Journal, 2014 .59
- Sadeghi , & kiakhani M , Gharanjig K , Arami M, Study on dyeing and fastness properties of wool-polyester blend fabrics using novel mono azo-naphthalimide dyes, The Journal of The Textile Institute, 2014 .60
- Hosseinnezhad M , Moradian S , Gharanjig K , Afshar taromi F, Synthesis and characterisation of eight organic dyes for dye sensitised solar cells, Material technology, 2014 .61
- Sadr dadras F , Gharanjig K , Raissi S, Optimising by response surface methodology the dyeing of polyester with a liposome encapsulated disperse dye, Coloration technology, 2014 .62
- Dodangeh M , Gharanjig K , Arami M , Atashrouz S, Surface alteration of polyamide fibers by polyamidoamine dendrimers and optimization of treatment process using neural network towards improving their dyeing properties, Dyes and Pigments, 2014 .63
- Rouhani S , Gharanjig K , HosseinNezhad M, Facile synthesis of 4-nitro-N-substituted -1, 8- naphthalimide derivatives using ultrasound in aqueous media, Green Chemistry Letters and Reviews, 2014 .64
- Hosseinnezhad M , Khosravi A , Gharanjig K , Moradian S, The comparison of spectra and dyeing properties of new azonaphthalimide with analogues azobenzene dyes on natural and synthetic polymers, Arabian journal of chemistry, 2014 .65
- Mesgari Z , Gharaghozlou M , Khosravi A , Gharanjig K, Visible light photocatalytic degradation of methyl orange in aqueous suspension by using nano crystalline TiO₂ impregnated with metal-free phthalocyanine pigment, J. Indian Chem, 2013 .66
- Jafari S , Khosravi A , Gharanjig K , Moradian S , Pourmahdian S, Novel Utilisation Of Principal Component Analysis To Optimise Sorption Isotherms And Determine Diffusion Coefficients Of Five Naphthalimide Disperse Dyes On Polyester Fibres, THE CANADIAN JOURNAL OF CHEMICAL ENGINEERING, 2013 .67
- Sadeghi , & kiakhani M , Gharanjig K , Arami M, Application of a biopolymer chitosan-poly (propylene) imine dendrimer hybrid as an antimicrobial agent on the wool fabrics, Iran polymer journal, 2013 .68
- Sadeghi , & kiakhani M , Gharanjig K , Arami M, Preparation of chitosan-ethyl acrylate as a biopolymer adsorbent for basic dyes removal from colored solutions, Journal of Environmental Chemical Engineering, 2013 .69
- Mirshahi F , Khosravi A , Gharanjig K , Fakhari J, Antimicrobial properties of treated cotton fabrics with non-toxic biopolymers and their dyeing with safflower and walnut hulls, Iran polymer journal, 2013 .70
- Gharanjig H , Gharanjig K , tafaghodi S, Stability of Dye Dispersions in the Presence of Some Eco-Friendly Dispersing Agents, Journal of Surfactant and detergent, 2013 .71
- Hejri A , Khosravi A , Gharanjig K , Hejazi M, Optimization of the formulation of β -carotene loaded nanostructured lipid carriers prepared by solvent diffusion method, Food chemistry, 2013 .72
- Hosseinnezhad M , Moradian S , Gharanjig K, Synthesis and Characterization of Two New Organic Dyes for Dye-Sensitized Solar Cells, Synthetic Communications, 2013 .73
- Mesgari Z , Gharaghozlou M , Khosravi A , Gharanjig K, Spectrophotometric studies of visible .74

- light induced photocatalytic degradation of methyl orange using phthalocyanine-modified Fe-doped TiO₂ nanocrystals, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 2012
- Sadeghi ,& kiakhani M , Gharanjig K , Arami M , Khosravi A, Synthesis, characterization and evaluation of efficiency of new hybrid Pc/Fe-TiO₂ nanocomposite as photocatalyst for decolorization of methyl orange using visible light irradiation, I., *Applied Catalysis A*, 2012
- Safa M , Gharanjig K , khajavi R , Jalili M, A New Method for Clearing Dyed Polyester Fabrics by Gemini Cationic Surfactants, *Journal of Surfactants and Detergents*, 2012
- Alaei P , Rouhani S , Gharanjig K , Ghasemi J, A new polymerizable fluorescent PET chemosensor of fluoride (F⁻) based on naphthalimide–thiourea dye, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 2012
- Sadeghi ,& kiakhani M , Gharanjig K , Arami M, Dye Removal from Colored-Textile Wastewater Using Chitosan-PPI Dendrimer Hybrid as a Biopolymer: Optimization, Kinetic, and Isotherm Studies, *Journal of applied polymer science*, 2012
- Safabakhsh B , Khosravi A , Gharanjig K , Khorasani M , Tafaghodi S, Synthesis of a novel fluorescent coloured copolymer based on 4-butylthio-1, 8-naphthalimide, *Coloration technology*, 2012
- Shaki H , Gharanjig K , Khosravi A , Rouhani S , Fakhar J, Synthesis and application of some novel antimicrobial monoazonaphthalimide dyes: synthesis and characterization, *Coloration technology*, 2012
- Hejri A , Khosravi A , Gharanjig K , Hejazi M, Effect of Surfactants on Kinetics of b-carotene Photodegradation in Emulsions, *Chemical Engineering Communications*, 2012
- Khari F.A , Khatibzadeh M , Mahmoodi N.M , Gharanjig K, Removal of anionic dyes from aqueous solution by modified alginate, *Desalination and Water Treatment*, 2012
- Gharanjig K , Dadras f.s , Sadeghi kiakhani M , Tafaghodi S, Stability of Dye Dispersions in the Presence of Various Surface Active Agents and Additives, *Journal of Dispersion Science and Technology*, 2012
- Gharanjig K , Sadeghi kiakhani M , Tehrani Bagha A.R , Khosravi A , Menger F.M, Solubility of two disperse dyes derived from n-alkyl and n-carboxylic acid naphthalimides in the presence of gemini cationic surfactants, *Journal of Surfactants and Detergents*, 2011
- Sadeghi ,& kiakhani M , Gharanjig K , Arami M , Khosravi A, Dyeing and Fastness Properties of Polyamide Fabrics Using Some Acid-Based Monoazo Disperse Dyes, *Apply polymer science*, 2011
- Momenzadeh H , Tehrani bagha A.R , Khosravi A , Gharanjig K , Holmberg K, Reactive dye removal from wastewater using a chitosan nanodispersion, *Desalination*, 271, 2010
- Shaki H , Gharanjig K , Khosravi A , Rouhani S, Synthesis and photophysical properties of some novel fluorescent dyes based on naphthalimide derivatives, *Journal of Photochemistry and Photobiology A: Chemistry*, 2010
- Mahmoodi N.M , Arami M , Gharanjig K , Khorramfar S, Equilibrium and kinetic studies of the cationic dye removal capability of a novel biosorbent *Tamarindus indica* from textile wastewater, *Coloration Technology*, 2010
- Panah H.S , Khosravi A , Gharanjig K , Khatibzadeh M.K , Taromi F.A, Synthesis and characterization of new fluorescent polymerizable dyes based on naphthalimide, *Iranian Polymer Journal*, 2010
- Emami F , Tehrani bagha A.R , Gharanjig K , Menger F.M, Kinetic study of the factors controlling Fenton-promoted destruction of a non-biodegradable dye, *Desalination*, 2010
- Gharanjig K , Sadeghi ,& kiakhani M , Arami M , Khosravi A , Mahmoodi N.M, Solubilisation kinetics of some monoazo naphthalimide disperse dyes containing butyric acid and investigation of fastness properties of the dyes on polyester, *Coloration Technology*, 2010
- Kiakhani M.S , Arami M , Gharanjig K , Mokhtari J , Mahmoodi N.M, (Synthesis and evaluation of a series of novel monoazo disperse dyes derived from N-carboxylic acid-1, 8-naphthalimide on

- .poly (ethylene terphthalate, *Fibers and Polymers*, 2009
- Oarvizi P , Khosravi A Moradian S , Gharanjig K, Synthesis and application of some alkali-clearable azo disperse dyes based on naphthalimide derivatives, *Journal of the Chinese Chemical Society*, 2009 .93
- Nejad M.H , Khosravi A , Gharanjig K , Moradian S, Synthesis of some monoazo acid dyes based on naphthalimides, *Asian Journal of Chemistry*, 2009 .94
- Mahmoodi N.M , Arami M , Gharanjig K, Laboratory studies and CFD modeling of photocatalytic degradation of colored textile wastewater by titania nanoparticles, *Desalination and Water Treatment*, 2009 .95
- Kiakhani M.S , Arami M , Gharanjig K , Mokhtari J , Mahmoodi N.M, Synthesis and characterization of novel monoazo naphthalimide disperse dyes containing carboxylic acid group with high heat fastness properties, *Journal of the Chinese Chemical Society*, 2008 .96
- Mokhtari J , Gharanjig K , Arami M , Mahmoodi N.M, Novel hydrolysable azo disperse dyes based on N-ester-1, 8-naphthalimide: Dyeing of polyester-cotton blends, *Coloration Technology*, 2008 .97
- Mahmoodi N.M , Arami M , Limaee N.Y , Gharanjig K , Nourmohammadian F , Bidokhti A.Y, Purification of water containing agricultural organophosphorus pollutant using titania nanophotocatalysis: Laboratory studies and numerical modeling, *Desalination*, 2008 .98
- Hojjat M , Yamini Y , Khajeh M , Rouhani S , Gharanjig K, Measurement and correlation of solubilities of some disperse azo dyes in supercritical carbon dioxide, *Journal of Chemical and Engineering Data*, 2008 .99
- Gharanjig K , Arami M , Bahrami H , Movasagh B , Mahmoodi N.M , Rouhani S, Synthesis, spectral properties and application of novel monoazo disperse dyes derived from N-ester-1, 8-naphthalimide to polyester, *Dyes and Pigments*, 2008 .100
- Gharanjig K , Arami M , Rouhani S , movassagh B , Mahmoodi N.M, Synthesis and characterization of novel monoazo N-ester-1, 8-naphthalimide disperse dyestuffs, *Journal of the Chinese Chemical Society*, 2007 .101
- Mahmoodi N.M , Arami M , Limaee N.Y , Gharanjig K, Photocatalytic degradation of agricultural N-heterocyclic organic pollutants using immobilized nanoparticles of titania, *Journal of Hazardous Materials*, 2007 .102
- Mahmoodi N.M , Arami M , Limaee N.Y , Gharanjig K , Nourmohammadian F, Nanophotocatalysis using immobilized titanium dioxide nanoparticle. Degradation and mineralization of water containing organic pollutant, *Materials Research Bulletin*, 2007 .103
- Mahmoodi N.M , Arami M , Limaee N.Y , Gharanjig K , Ardejani F.D, Decolorization and mineralization of textile dyes at solution bulk by heterogeneous nanophotocatalysis using immobilized nanoparticles of titanium dioxide, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 2006 .104
- Shabani A , Dairi M , Bazgir A , Gharanjig K, Microwave-assisted rapid synthesis of 1, 4-diketo-pyrrolo [3, 4-c]-pyrroles' derivatives under solvent-free conditions, *Dyes and Pigments*, 2006 .105
- Khosravi A , Moradian S , Gharanjig K , Taromi F.A, Synthesis and spectroscopic studies of some naphthalimide based disperse azo dyestuffs for the dyeing of polyester fibres, *Dyes and Pigments*, 2006 .106
- Khosravi A , Moradian S , Gharanjig K , Taromi F.A, Synthesis and characterization of some monoazo disperse dyestuffs based on naphthalimide derivatives for dyeing of polyester fabrics, *Journal of the Chinese Chemical Society*, 2005 .107
- Khosravi A , Moradian S , Gharanjig K , Taromi F.A, (Investigation of synthesis and dyeing properties of some azonaphthalimide disperse dyestuffs for the dyeing of polyester fibres, *Iranian Polymer Journal*, 2005 .108