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SAEIDEH GORJI KANDI

Assistant Professor

Department of Polymer Engineering

Color & Coatings Industry

Supervised MSc Theses

#	Thesis title	By	Date
1	Investigation of coating blistering defect by using machine vision system	Nadia Moradi & Saeideh Gorji Kandi	September 2021
2	The effect of Saunderson correction on applicability of Kubelka-Munk theory in prediction of optical properties of paints with different surface structure	Fateme Charkhtab Basim & Saeideh Gorji Kandi	January 2021
3	Influence of material parameters on dispersion particle size of water-borne polyester-acrylate resins considering optical properties	Aram Babamiri & Saeideh Gorji Kandi	January 2021
4	Evaluating the performance of chromatic adaptation transform models and trying to improve them	Aliakbar Bozorgian & Saeideh Gorji Kandi	June 2020
5	Investigation of the effect of paper properties on appearance and quality of inkjet printing	Bitra Panahi & Saeideh Gorji Kandi	May 2020
6	Formulation of proper hair dye using natural dyes	Azin Vaez Mahdavi & Saeideh Gorji Kandi	July 2019
7	Investigating the performance of spectrophotometric and machine vision methods for identification of pigments in artworks	Fateme Fazlali & Saeideh Gorji Kandi	February 2019
8	Investigating Optical Behavior of Fluorescence Conjugate Organic Compounds Based On Stilbene	Fateme Sadat Miri & Saeideh Gorji Kandi	February 2019

9	Evaluation and quantification of the relationship between texture and gloss of some polymeric surfaces	Niloofer Zoghi & Saeideh Gorji Kandi	December 2018
10	Effective parameters on rheological characteristics and investigating colorimetric properties on printed substrates	Darya Ewaznezhad Fard & Saeideh Gorji Kandi	February 2018
11	fabricating of PMMA/ CdSe quantum dots from electrospinning- investigating of optical behavior	Hadisehsadat Mousavi & Saeideh Gorji Kandi	February 2018
12	Investigating the effect of color primaries on color constancy of prepared color recipes	Bitva Fotovvat & Saeideh Gorji Kandi	February 2017
13	investigation performance of advanced color difference formulae in predicting the influence of background lightness on perceived color difference in comparison to CIECAM02 color appearance model	Hamed Karimpour & Saeideh Gorji Kandi	February 2016
14	improving the CIE color rendering index of low energy daylight simulators	Mozhdeh Saba & Saeideh Gorji Kandi	October 2014

Journal Papers

Portal Records

- 1 Bitva Panahi, Saeideh Gorji Kandi, "Introducing new methods based on the standard ISO/IEC 24790 to evaluate graininess for coloured printed images", COLORATION TECHNOLOGY, July 2021 Vol. 0.0, Num. 0, Page 1-11, July 2021,
- 2 Darya Ewaznezhad Fard, Saeideh Gorji Kandi, Marziyeh Khatibzadeh, "The effect of ink formulation on colorimetric properties of inkjet printing considering the impact of substrates", PIGMENT & RESIN TECHNOLOGY-OPEN, March 2021 Vol. 00, Num. 0, Page 1-9, March 2021,
- 3 Fatemeh Fazlali, Saeideh Gorji Kandi, "Identification of pigments in artworks by inverse tangent derivative of spectrum and a new filtering method", Heritage Science, January 2021 Vol. 93, Num. 0, Page 1-10, January 2021,
- 4 Fateme Sadat Miri, Saeideh Gorji Kandi, Farhad Panahi, "Photophysical Properties of a Donor-?-Acceptor Distyrylbenzene Derivative in Solution and Solid state", JOURNAL OF FLUORESCENCE, June 2020 Vol. 30, Num. 30, Page 917-926, June 2020,
- 5 Hadisehsadat Mousavi, Saeideh Gorji Kandi, Amir Masoud Arabi, "A review of colorimetric properties, fine structure, and application of nano-fibers consisted of quantum dots", Iran Polymer Technology Research and Development, January 2020 Vol. 4, Num. 16, Page 33-45, January 2020,
- 6 Sakineh Amookht, Saeideh Gorji Kandi, Mohammad Mahdavian, "Quantification of perceptual coarseness of metallic coatings containing aluminum flakes using texture analysis and visual assessment methods", PROGRESS IN ORGANIC COATINGS, December 2019 Vol. 137, Num. 105375, Page 1-8, December 2019,
- 7 Sajjad Ghodrati, Seyed Mohsen Mohseni, Saeideh Gorji Kandi, "Application of image edge detection methods for precise estimation of the standard surface roughness parameters: Polypropylene/ethylene-propylene- diene-monomer blend as a case study", MEASUREMENT, February 2019 Vol. 138, Num. 0, Page 80-90, February 2019,
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- 9 Sakineh Amookht, Saeideh Gorji Kandi, Mohamad Mahdavian, "Mathematical description of spectrophotometric properties of metallic coatings using spectral derivation and principal component analysis", PROGRESS IN ORGANIC COATINGS, January 2019 Vol. 129, Num. 1, Page 338-348, January 2019,
- 10 Fateme Sadat Miri, Saeideh Gorji Kandi, "Investigation of the Behavior of Conjugated Fluorescence Dyes as Amine Sensors", Journal of Studies in Color World, November 2018 Vol. 8, Num. 3, Page 55-70, November 2018,

- 11 Sajjad Ghodrati, Saeideh Gorji Kandi, Seyed Mohsen Mohseni, "Nondestructive, fast, and cost-effective image processing method for roughness measurement of randomly rough metallic surfaces", JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION, May 2018 Vol. 35, Num. 6, Page 998-1013, May 2018,
- 12 Sajjad Ghodrati, Saeideh Gorji Kandi, Seyed Mohsen Mohseni, "How accurately do different computer-based texture characterization methods predict material surface coarseness? A guideline for effective online inspection", JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION, April 2018 Vol. 35, Num. 5, Page 712-725, April 2018,
- 13 Sajjad Ghodrati, Seyed Mohsen Mohseni, Saeideh Gorji Kandi, "A review on application of image processing method on food products quality control part A: statistical texture processing method", Journal of Studies in Color World, January 2017 Vol. 6, Num. 4, Page 65-77, January 2017,
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- 18 Hadisehsadat Mousavi, Saeideh Gorji Kandi, "Effective factors on color preference", Journal of Studies in Color World, October 2015 Vol. 5, Num. 3, Page 45-58, October 2015,
- 19 Niloofar Shadman, Saeideh Gorji Kandi, Shahram Farzin Ebrahimi, Maryam Azizi Shoul, "The minimum thickness of a multilayer porcelain restoration required for masking severe tooth discoloration", Dental research Journal, September 2015 Vol. 12, Num. 5, Page 1-7, September 2015,
- 20 Saeideh Gorji Kandi, Mohammad Amani Tehran, Nargess Hassani, Amir Jarrahi, "Color Naming for the Persian Language", COLOR RESEARCH AND APPLICATION, August 2015 Vol. 40, Num. 4, Page 352-360, August 2015,
- 21 Elaheh Daneshvar, Mohammad Amani Tehran, Saeideh Gorji Kandi, Fateme Zeighami, "Investigating the characteristics of two different methods in nanofiber yarn coloration", JOURNAL OF THE TEXTILE INSTITUTE, July 2015 Vol. 107, Num. 2, Page 1-9, July 2015,
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- 23 Atasheh Soleimani-Gorgani, Maliheh Pishvaei, Saeideh Gorji Kandi, Farhood Najafi, Vahideh Yekefallah, "Organic Light-Emitting Diodes Preparation by Solution Process, Part II: Electrodes", Journal of Studies in Color World, April 2015 Vol. 5, Num. 1, Page 87-96, April 2015,
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- 26 Saeideh Gorji Kandi, قرنجیگ, "Investigating the performance of NIR spectrometry for identifying Madder as a natural dye from synthetic dyes used in handmade carpet", , September 2014 Vol. 8, Num. 0, Page 187-192, September 2014,
- 27 Mozhdah Saba, Saeideh Gorji Kandi, "Color Rendering Index", Journal of Studies in Color World, June 2014 Vol. 4, Num. 0, Page 43-47, June 2014,
- 28 Sakineh Amokht, Saeideh Gorji Kandi, Mohammad Mahdavian, "Effect of surface texture on color appearance of metallic coatings", PROGRESS IN ORGANIC COATINGS, May 2014 Vol. 77, Num. 77, Page 1221-1225, May 2014,

- 29 S Amookht, Saeideh Gorji Kandi, M. Mahdavian, Siamak Moradian, "The effect of clear coat and basecoat interdiffusion on the appearance of automotive coating system", *PROGRESS IN ORGANIC COATINGS*, October 2013 Vol. 76, Num. 10, Page 1325-1328, October 2013,
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- 31 Saeideh Gorji Kandi, "The Effect of Paper Appearance on Printed Color of Inkjet Printer", *COLOR RESEARCH AND APPLICATION*, August 2013 Vol. 38, Num. 4, Page 284-291, August 2013,
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- 34 Saeideh Gorji Kandi, F Ameri, N Khalili, "Instrument dependency of Kubelka-Munk theory in computer color matching", *Progress in Color, Colorants and Coatings*, July 2012 Vol. 5, Num. 2, Page 85-90, July 2012,
- 35 Sousan Rasouli, Amir M. Arabi, Saeideh Gorji Kandi, "Preparation of GdCaAl₃O₇: Eu nanoparticles by a combustion method and their characterization", *JOURNAL OF CERAMIC PROCESSING RESEARCH*, April 2012 Vol. 13, Num. 1, Page 47-51, April 2012,
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- 38 Saeideh Gorji Kandi, "Machine Vision Analysis for Textile Texture Identification", *FIBRES & TEXTILES IN EASTERN EUROPE*, November 2011 Vol. 19, Num. 6, Page 53-57, November 2011,
- 39 Saeideh Gorji Kandi, "Representing Spectral Data Using Lab PQR Color Space in Comparison with PCA Method", *Progress in Color, Colorants and Coatings*, September 2011 Vol. 4, Num. 2, Page 95-106, September 2011,
- 40 Saeideh Gorji Kandi, "The effect of spectrophotometer geometry on the measured colors for textile samples with different textures", *JOURNAL OF ENGINEERED FIBERS AND FABRICS*, August 2011 Vol. 6, Num. 4, Page 70-78, August 2011,
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- 43 Saeideh Gorji Kandi, "Automatic Defect Detection and Grading of Single-Color Fruits Using HSV (Hue, Saturation, Value) Color Space", *Journal of Life Sciences*, December 2010 Vol. 4, Num. 7, Page 39-45, December 2010,
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- 45 Saeideh Gorji Kandi, Mohammad Amani Tehran, "A New Method for Color Gamut Mapping by Genetic Algorithm", *Progress in Color, Colorants and Coatings*, December 2009 Vol. 9, Num. 0, Page 95-101, December 2009,
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Conference Papers

Portal Records








- 1 Bita Alaei, Saeideh Gorji Kandi, Manouchehr Khorasani, "The effect of gloss on colorimetric values of near achromatic samples ", The 7th International color & coating congress (ICCC2017), December 2018
- 2 Fatemeh Ahmadvanikhanjari, Saeideh Gorji Kandi, Maryam Yousefzadeh,, "optical properties of PMMA nanofibers with different fiber diameter ", 13th International Seminar on Polymer Science and Technology, November 2018
- 3 Fateme Sadat Miri, Saeideh Gorji Kandi,, "Solvathochromism Effect of a New Synthesized Conjugated Organic Compounds in Different Environment and Types of Polymers ", (13th International Seminar on Polymer Science and Technology (ispst, November 2018
- 4 Fateme Sadat Miri, Saeideh Gorji Kandi,, "Amine Sensing with Fluorescence Conjugate Organic Compounds ", The 7th International Color & Coating Congress, December 2017
- 5 Darya Ewaznezhad Fard, Marziyeh Khatibzadeh, Saeideh Gorji Kandi, "Effective parameters on rheological characteristics in inkjet printing method ", The 7th International Color and Coating Congress, December 2017
- 6 Hadisehsadat Mousavi, Saeideh Gorji Kandi, Aliasghar Katbab, , Amir Masoud Arabi, "The effect of presence of CdSe quantum dots on diameter of PMMA nanofiber ", 7th International Color & Coating Congress, December 2017
- 7 Bita Alaei, Saeideh Gorji Kandi, Manouchehr Khorasani, "The effect of gloss on colorimetric values of near achromatic samples ", The 7th international color and coating congress, December 2017
- 8 Sajjad Ghodrati, Saeideh Gorji Kandi, Seyed Mohsen Mohseni, "Roughness evaluation of randomly rough surfaces by non-contact image profilometry method ", The 7th International Color & Coating Congress, December 2017
- 9 Sajjad Ghodrati, Seyed Mohsen Mohseni, Saeideh Gorji Kandi, "Polymeric blends surface roughness evaluation based on a digital image edge detection algorithm ", The 7th International Color & Coating Congress, December 2017
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- 12 Sakineh Amookht, Saeideh Gorji Kandi, Mohammad Mahdavian, "Investigation of Flop Index by Variation in size of Aluminum Flake and its Relation with the Surface Texture Quantified by Edge Frequency ", 7th International Color & Coating Congress, December 2017
- 13 Fatemeh Fazlali, Niloofar Zoghi, Saeideh Gorji Kandi, "Identification of inorganic pigments in painting using mathematical deion of reflectance spectrum ", The 7th International Color and Coating Congress, December 2017
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- 15 Afrooz Gholamianpour, Behnaz Iranmanesh, Keivan Ansari, Saeideh Gorji Kandi, Majid Ansari Asl, "Classification of PANTONE SkinTone Guide chart by Fuzzy C-Means method ", The 7th International Color & Coating Congress, December 2017
- 16 Behnaz Iranmanesh, Afrooz Gholamianpour, Saeideh Gorji Kandi, Keivan Ansari, Majid Ansari Asl, "Brief overview of PANTONE SkinTone Guide chart in CIEL*a*b* color space ", The 7th International Color & Coating Congress, December 2017
- 17 Niloofar Zoghi, Saeideh Gorji Kandi, "Applying different image processing methods to quantify surface textures of chocolate samples and investigating the relationship between surface topology and light reflection ", The 7th International Color and Coating Congress, December 2017

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- 21 Mohsen Panjeali, Saeideh Gorji Kandi,, "Determination of chromium in water by using digital imaging and considering the Con Kries Chromatic adaptation in RGB and HSV Color Spaces ", ASSOCIATION INTERNATIONALE DE LA COULEUR 2017, October 2017
- 22 Sakineh Amookht, Saeideh Gorji Kandi, M. Mahdavian, "The similarity between spectral basis vectors of sphere and gonio spectrophotometers in the case of metallic coatings ", The 5th International Congress on Transportation, Traffic and Safety, November 2016
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- 31 Elham Eskandari, Mohammad Reza Mohammadzadehattar, Saeideh Gorji Kandi, "Colorimetric tests as a new method for analysis of the corrosion resistance of bare and phosphated steel in 3.5% NaCl solution ", The 6th International Color & Coating Congress, November 2015
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- 33 Sajjad Ghodrati, Seyed Mohsen Mohseni, Saeideh Gorji Kandi, "A histogram-based image processing method for visual and actual roughness prediction of sandpapers ", The 6th International Color & Coating Congress, November 2015
- 34 Mozhddeh Saba, Saeideh Gorji Kandi, Seyed Hossein Amirshahi, Robert Hirschler, "INVESTIGATINGTHE PERFORMANCE OF THE CIE COLOR RENDERING INDEX FOR LOW ENERGY DAYLIGHT SIMULATORS ", International Commission on Illumination CIE 2015, June 2015
- 35 Ali Azin, Saeideh Gorji Kandi, Atasheh Soleimani-Gorgani, "Modeling ink diffusion within paper to achieve a raggedness ruler for print quality control ", NIP & Digital Fabrication Conference, September 2014
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- 37 Elaheh Daneshvar, Mohammad Amani Tehran, Saeideh Gorji Kandi, Fateme Zeighami, "Nanofiber Yarns Dyeing Characterizing to be Used in Textile and Apparel Industry ", Color and Coating Congress, December 2013

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- 43 S Amookht, Saeideh Gorji Kandi, M. Mahdavian, Siamak Moradian, "The effect of spectrophotometer geometry on measured color for metallic basecoats ", 3th International Congress on Automotive Paint & Coatings, December 2012
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- 45 Mina Abdossamadi, Mojghan Mahdiani, Mohammad Amani Tehran, Saeideh Gorji Kandi, "Fiber Classification Using Spectroscopy ", National Conference on Textile Engineering, May 2012
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- 47 A. Eskandarnejad, N. Elmamoz, M. Amiri, Saeideh Gorji Kandi, "What Thickness of Composite Should be Used Based on Translucency ", The 6th Annual Meeting of the IADR Iranian Division, December 2011
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- 54 Saeideh Gorji Kandi, S. Rasouli, A. M. Arabi, "Colorimetric Characteristics of Synthesized GdCaAl₃O₇:Eu nanophosphor at different pH ", International Conference of Nanoscience & Nanotechnology, November 2010
- 55 M. Gharagozlo, Saeideh Gorji Kandi, "Investigation of Colorimetric Properties and Reflectance Spectra of NANOCOMPOSITE Included Co-Fe Mixed Oxide Pigments Dispersed in Silicon Oxide Matrix ", International Conference of Nanoscience & Nanotechnology, November 2010
- 56 Saeideh Gorji Kandi, "Applying Machine Vision for Quality Control of Fruits in Human Based Color Space ", 12th Congress of the International Colour Association, AIC2010, October 2010
- 57 Fatemeh Zamani, Mohammad Amani Tehran, Masoud Latifi, Saeideh Gorji Kandi, "Interactive Genetic Algorithm-Aided Generation of Carpet Pattern ", International Conference on Intelligent Textiles, June 2010
- 58 M. Gharagozlo, Saeideh Gorji Kandi, "Influence of Heat Treatment on the Optical Properties of Nanocomposites as Catalysts included Oxide Pigments ", 14th International Oil, Gas and Petrochemical Congress, May 2010

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- 63 Saeideh Gorji Kandi, "Textile Texture Identification by Digital Image Analysis ", The 1th International conference Textile Engineering (ITEC2009), October 2009
- 64 Saeideh Gorji Kandi, Safi, F. Moghareh Abed, N. Khalili, "Effect of LED Light Sources on Color Properties of Objects ", The 1th International conference Textile Engineering (ITEC2009), October 2009
- 65 Maryam Yousefzadeh, Saeideh Gorji Kandi, "Estimation of Carbon Nanotube Concentration in Electrospun Nanofibers Using Lightness Values ", International Conference Nanotechnology & Biosensors, September 2009
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- 76 Saeideh Gorji Kandi, Mohammad Amani Tehran, Mohammad Rahmati, "Improvement the performance of PCA in recovery of spectral reflectance by considering the lightness mean of samples ", International Colour Association AIC 2006, October 2006
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Taught Courses

#	Course title	Description	Headlines	Date
1	Color Reproduction	Study the basic phenomena of color reproduction, color managemnet and color imaging		Fall 2021
2	Advanced Colorimetry	Advanced topics in Colorimetry		Fall 2021
3	Color Physics and Principle of Appearance	The principles of color physics and appearance		Fall 2021
4	Color Physics and Principle of Appearance	The principles of color physics and appearance		Spring 2021
5	Advanced Colorimetry	Advanced topics in Colorimetry		Spring 2021
6	Color Reproduction	Study the basic phenomena of color reproduction, color managemnet and color imaging		Fall 2020
7	Color Physics and Principle of Appearance	The principles of color physics and appearance		Fall 2020