



Keivan Ansari

Institute for Color science and Technology
 Color Imaging and Color Image Processing Research Group
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https://www.researchgate.net/profile/Keivan_Ansari/publications

1- Personal Information

- Born on 17 November 1964, in Tehran, IRAN
- Male, Married, two children

2- Research Interests

Color Appearance, Multispectral Imaging, Color Psychophysical Experiment, Color Matching, Color Physics in Industry.

3- Educational Background:

- **Flow Researcher, ImVia-** Imaging and Artificial Vision, Université de Bourgogne, FRANCE. 2019-2020.
 - Research Title: “Estimating the Shading, the specular and the reflectance of the Tissue (Endoscopic) from RGB Images”, the French Research National Agency (ANR) program EMMIE.
 - Supervisors: Prof. Franck Marzani and Dr. Yannick Benezeth
- **PostDoctoral Researcher, LE2I -** Laboratoire Electronique, Informatique et Image. Université de Bourgogne, FRANCE. 2015-2016.
 - Research Title: “Optimum Band Selection for Multispectral One-shot sensor for Face Recognition in Visible and Near-Infrared spectrum ”, European Project EXIST (Extended Image Sensing Technologies).
 - Supervisors: Prof. Pierre Gouton and Dr. Jean-Baptiste Thomas
- **Ph.D.** in Color Engineering, Amirkabir University of Technology (Tehran Polytechnic), Iran, received January 2005.
 - Dissertation Title: “ Basis Functions Optimization for Reconstruction and Compressing of Spectral Functions”.
 - Supervisor: Prof. H. Amirshahi
 - Advisor: Prof. S. Moradian
- **M.S.** in Color Engineering, Islamic Azad University (South Tehran Branch), Iran, received May 1997.
 - Thesis Title: “ Color Pyramid Test”.
 - Supervisor: Prof. S. Moradian
- **B.Sc.** in Color Science and Technology, Amirkabir University of Technology (Tehran Polytechnic), Iran, received January 1989.
 - Thesis Title: “Computational Algorithm for Paint Formulation Based on P.V.C. & C.P.V.C”.
 - Supervisor: Dr. M. Arghandeh
- **Diploma** in Math & Physics, 1983.

4- Professional Experiences

	<u>As</u>	<u>Location</u>	<u>Time</u>
- Color Imaging and Color Image Processing	Scientific Board	Institute for Color Science and Technology (ICST), Research Group, Tehran, Iran.	2007- now
- Color Imaging Lab.	Manager	Institute for Color Science and Technology (ICST) , Tehran, Iran.	2011-2013
- Research Engineering	Department Manager	Payar Engineering Co., Tehran, Iran.	2004-2005
- Industrial Zone Development and Construction	Deputy Chief Manager	Development and Construction of Mianeh City Co. , Tehran, Iran.	2004
- Sales Engineering Department	Manager	Industrial Group Diezel saz-Abnour Co. , Tehran, Iran.	1988-2001
- Paint and Coating Systems renderer	Technical Consultant	Luleh Mashin sazi Iran, Queshm Free Zone Water Organization, Vazin Sanat Co.,...	1988-2006
- Utilizing Management	Chief Expert	Free Zone of Qeshm (Industrial Organization)	1996-1998
- Petrochemical ,Paint and Resin Department	Chief Inspector	sazeman bazrasi va nezarat kala (Stuff Inspection Org.)	1995-1996
- Paints & Coatings R&D - Quality Control Labs	In Charge/ Work	Teiph Saipa Co. , Rangsazi Khosh Co.,	1991-1994
- Work in: FamSazan Co. (Paint Equipments Test), Sarv Rang Co. (Industrial Paints Producer), Saman Co. (Research on Pentaerythritol), Ledora Co. (Making Industrial Polish Putty),...			1991-2003

5- Publications (Journal and Conference Papers)

5.1. in English:

1. Frantz Tossa, Wahabou Abdou, **Keivan Ansari**, Eugène C. Ezin and Pierre Gouton, "Area Coverage Maximization under Connectivity Constraint in Wireless Sensor Networks", *Sensors*, 22, 1712, Feb., 2022.
2. Ali Mohammadalazadeh, Fereshteh Mirjalili, Farhad Ameri, Siamak Moradian, **Keivan Ansari** and Mahdi Safi, "Development of a perceptually uniform physical scale for visual assessment of specular gloss", *Physica Scripta*, Volume 96, Number 3, 2021.
3. Mahdi Safi, Farhad Ameri, **Keivan Ansari**, "Determination of suitable wavelengths in dye concentration estimation by spectral analysis of K/S's scalability", *Physica Scripta*, Volume 96, Number 12, 2021.
4. **Keivan Ansari**, Mahdi Safi, farhad ameri, "Applying Spectral Decomposition Theory to Spectral Data of Textile dyed Samples for decrease Color Difference between Actual and Reconstructed Data using PCA", iccc2021, Tehran, Iran, 13-14 October 2021.
5. Ali Mohammadalazadeh, Farhad Ameri, Siamak Moradian, Mahdi Safi, **Keivan Ansari**, "A comparative study of some important orange-peel indices", , iccc2021, Tehran, Iran, 13-14 October 2021.
6. Mahdi Safi, **Keivan Ansari**, Seyedeh Farokh Hosseini Shekarabi, "A color performance comparison of LCD and CRT monitors: considering black offset, white point, and linearity", *The International Conference of the Color Society of Russia*, Smolensk, Russia, 1–5 December 2020.
7. **Keivan Ansari**, Alexandre Krebs, Yannick Benezeth, Franck Marzani, "Estimating intrinsic image from successive images by solving underdetermined and overdetermined systems of the dichromatic model", *The 11th Iranian and the 1st International Conference on Machine Vision & Image Processing (MVIP 2020)*, 19-20 Feb, Qum, IRAN, 2020.
8. Mahdi Safi, Tayebe Soleymanian, **Keivan Ansari** and Yannick Benezeth, "Measuring CMCCON02 Color Inconstancy Index: use of Consumer Digital Camera as a substitute for Reflectance Spectrophotometer", *8th International Conference on Signal, Image Processing and Pattern Recognition (SPPR 2019)*, 21-22 Dec., Dubai, UAE, 2019.
9. **Keivan Ansari**, Alexandre Krebs, Yannick Benezeth, Franck Marzani, "Color Converting of Endoscopic Images using Decomposition Theory and Principal Component Analysis", *8th International Conference on Signal, Image Processing and Pattern Recognition (SPPR 2019)*, 21-22 Dec., Dubai, UAE, 2019.
10. Mohammad Erfan Bahrami, Masoud Honarvar, **Keivan Ansari**, Bahareh Jamshidi, "Measurement of quality parameters of sugar beet juices using near-infrared spectroscopy and chemometrics", *Journal of Food Engineering*, October 2019.
11. Majid Ansari-Asl, **Keivan Ansari**, "A Pilot Study on Iranian Skin Color", *The 9th Colour and Visual Computing Symposium (CVCS 2018)*, September 19-20, Gjøvik, Norway, 2018.
12. M. Gorji Bandpay, F. Ameri, **K. Ansari**, S. Moradian, "Mathematical and empirical evaluation of accuracy of the Kubelka–Munk model for color match prediction of opaque and translucent surface coatings", *Journal of Coatings Technology and Research*, pp.1-15, March 2018.
13. A.Gholamianpour, B.Iranmanesh, **K. Ansari**, S. Gorji Kandi, M. Ansari Asl, "Classification of PANTONE SkinTone Guide Chart by Fuzzy C-Means methods", *the 7th International Color & Coating Congress (ICCC2017)*, Tehran, IRAN, 19-21 December 2017.
14. B.Iranmanesh, A.Gholamianpour, S. Gorji Kandi, **K. Ansari**, M. Ansari Asl, "Brief overview of PANTONE SkinTone Guide Chart in CIEL*a*b* color space", *the 7th International Color & Coating Congress (ICCC2017)*, Tehran, IRAN, 19-21 December 2017.
15. **Keivan Ansari**, Jean-Baptiste Thomas, Pierre Gouton, "Spectral Band Selection Using a Genetic Algorithm Based Wiener Filter Estimation Method for Reconstruction of Munsell Spectral Data", *IS&T International Symposium on Electronic Imaging 2017, Color Imaging XXII: Displaying, Processing, Hardcopy, and Applications*, January, 2017.
16. Mohammad Erfan Bahrami, Masoud Honarvar, **Keivan Ansari**, "Feasibility of Using Digital Image Processing and Colorimetric Measurements to Estimate the Physicochemical Properties of Raw Cane Sugars", *Sugar Tech*, August, 2016.
17. Mohammad Erfan Bahrami, **Keivan Ansari**, "Correlation between colorimetric parameters and physicochemical properties of Iranian raw cane sugars", *The 6th International Color & Coating Congress*, 10-12 November 2015.
18. **Keivan Ansari**, Siamak Moradian, "Recovery of Metameric Blacks from CIE Tristimulus Values Using a Combined System of Artificial Neural Network/Spectral Decomposition Theory, AIC2014, Interim Meeting 3rd Mexican Color Meeting, SEP, 2014.
19. Mahshid Montazeri, Ali Shams-Nateri, **Keivan Ansari**, "Recovering spectral data of metallic paints in different viewing angles by digital camera", *Sensor Review*, Vol. 34 Issue: 1, pp.89 – 97, 2013.
20. **Keivan Ansari**, Fatah Hatami, Siamak Moradian, "Applying spectral decomposition theory to hyperspectral data in order to minimize the color difference between the actual and the reconstructed data", *5th International Color and Coatings Congress (ICCC 2013) Isfahan–Iran*, December 18-19, 2013.
21. N.Khalili, F.Ameri, S.Moradian, F.Mirjalili, **K. Ansari**, "Effects of illumination conditions on visual assessment of geometric attributes of automotive finishes", *5th International Color and Coatings Congress (ICCC 2013) Isfahan–Iran*, December 18-19, 2013.
22. Habib Alizadeh, **Keivan Ansari**, Manochehr Khorasani, seyede Maryam Madani, "Comparison of sound absorption property of two mastics containing a crushed polyurethane foam or a commercial expancel microsphere", *5th International Color and Coatings Congress (ICCC 2013) Isfahan–Iran*, December 18-19, 2013.
23. Maryam Zanganeh, Mahdi Safi, **Keivan Ansari**, "Instrumental and Visual Evaluation of Color Change in Iranian Honey Samples under Different Illuminants", *International Food Research Journal*, 08/2013; 21(1):407-411.
24. S. Gorji Kandi and **K. Ansari**, "Color Scene Transform Between Images Using Rosenfeld-Kak Histogram Matching Method", *Progress in Color, Colorants and Coatings*, Pages 17-24, Vol. 6, No. 1, Winter 2013.
25. **Keivan Ansari**, Mahdi SAFI, "Investigation of the Color Appearance of Color Chips under Bi-Combinations of Various Light Sources Commonly Used in Indoor Environments", *AIC 2012 Taipei, Taiwan*, Sep 23-25, 2012.
26. Mahzyar GORJI, **Keivan Ansari**, Siamak MORADIAN, "Errors Involved in Profiles in Color Management Systems", *AIC 2012 Taipei, Taiwan*, Sep 23-25, 2012.
27. **Keivan ansari**, Alireza Mahmodi Nahavandi, Farhad Ameri, "An Image Processing Technique for Numerical Evaluation of Residual Area of a Coatings Film after a Pull-off Test", *3rd International Color and Coating Congress (ICCC)*, Nov.16-18, Tehran, Iran, 2009.
28. S. Gorji Kandi, **K. Ansari**, "Transforming Color Space between Images Using Rosenfeld-Kak Histogram Matching Technique", *4th International Color and Coatings Congress (ICCC 2011)*, Tehran–Iran, 2011.
29. Naghme Naseh, Samaneh Heydarian, **Keivan Ansari**, Alireza Mahmoudi, and Siamak Moradian, "Evaluating the metallic flake orientation by a novel technique using digital photography and image processing", *4th International Color and Coatings Congress (ICCC 2011)*, Oral, Tehran–Iran, 2011.
30. Mahzyar Gorji, **Keivan Ansari**, Siamak Moradian, "Drying time of inks on various papers", *4th International Color and Coatings Congress (ICCC 2011)*, Tehran–Iran, 2011.
31. **Keivan Ansari**, Nader CHAVOSHI, Siamak MORADIAN and Saideh Gorji KANDI, "The use of matrix q of the decomposition theory and principal component analysis for color image mapping of a scene", *AIC 2011, Switzerland*, 2011.
32. Mahzyar GORJI, **Keivan Ansari**, Siamak MORADIAN, "The use of Fundamental Color Stimulus and Artificial Neural Network to enhance the performance of Color Profile Management Systems", *AIC 2011, Switzerland*, 2011.
33. **Keivan ansari**, Alireza Mahmodi Nahavandi, Farhad Ameri, "An Image Processing Technique for Numerical Evaluation of Residual Area of a Coatings Film after a Pull-off Test", *3rd International Color and Coating Congress (ICCC)*, Nov.16-18, Tehran, Iran, 2009.
34. F.M. Abed and **K.ansari**, "Effect of Light Source in Visual Colorimetric Assessments and Instrumental Measurements", *International Light Source Workshop (LSW08)*, Taiwan, 2008.

35. **K. Ansari**, S. H. Amirshahi and S. Moradian, "Recovery of Reflectance Spectra from CIE Tristimulus Values using a Progressive Database Selection Technique", Society of Dyers and Colourists, Coloration Technology, 122,(2006), 128–134 .
36. **Ansari Keivan**, Amirshahi Sayed Hossein and Moradian Siamak, "Recovery of Reflectance Spectra of Coloured Textiles from CIE Tristimulus Values using a Progressive Database Selection Technique", Iranian Journal of Chemistry & Chemical Engineering, Vol. 25 , No. 2, 2006.
37. **K. Ansari**, S. Moradian and S.H. Amirshahi, " Compression of Reflectance Curves of Colored Specimens of Different Origins by the Use of Fundamental Color Stimuli ", 1th International & 2th National conference on Color Science and Technology , 3-5 Jan. 2006.
38. **K. Ansari**, S.H. Amirshahi and S. Moradian " Recovery of Spectral reflectance from CIE Tristimulus Values by use of Adaptive Data Selection technique ",1th International & 2th National conference on Color Science and Technology , 3-5 Jan. 2006 .
39. **Keivan Ansari**, Siamak Moradian, Sayed Hossian Amirshahi ,Gholamreza Salami , "Compression of Reflectance Curves of Colored Acrylic Samples by the use of Fundamental Color Stimuli", International Seminar on Polymer Science and Technology (ispst), 2005 .
40. **K. Ansari**, S. Moradian, and S.H. Amirshahi, "Recovery of Spectral Reflectance of Acrylic Paints by Use of Adaptive Data Selection Technique", International Seminar on Polymer Science and Technology (ispst), 2005 .
41. **K. Ansari**, S. Moradian, and S.H. Amirshahi, " Ideal Compression of Reflectance Curves by the use of Fundamental Color Stimuli", 10th Congress of the International Colour Association, AIC Colour 05 , Granada, Spain, 2005 .
42. **K. Ansari**, S. Moradian, and S.H. Amirshahi, " Recovery of Spectral Reflectance of Munsell Color Chips by use of Adaptive Data Selection Technique", 7th International Symposium on Multispectral Color Science, Granada, Spain, 2005.

5.2. In Persian:

43. Habib Alizadeh, Keivan Ansari, Farhad Ameri, "Acoustic properties of a water-based sound-absorbing coating containing Iranian Calotropis procera (Apple of Sodom) Fibers", Second National Conference on Dyes, Environment and Sustainable Development, 25, Jan, Tehran, IRAN, 2023.
44. Farhad Ameri, Saied Asiaban, **Keivan Ansari**, "Identifying and determining the characteristics of a blue masterbatch sample", Second National Conference on Dyes, Environment and Sustainable Development, 25, Jan, Tehran, IRAN, 2023.
45. **K. Ansari**, M. Gorji, M. Safi, F. Ameri, " Comparison of the color values prediction by a matrix method and a well-known software for a digital color management process" . *J. Color. Sci. Tech.*, JCST-2111-1163, 2022.
46. N.t.Derakhshan, Z. Najafi, M. Honarvar, **K. Ansari**, B.Shirkavand, R.Golmohamadi, "A survey possibility of using waste materials from agricultural, food, and polymer industries to make acoustic absorbents" The first national conference on recycling industry new development strategies, Payame Noor University of Mazandaran, Innovation Center, Iran, Feb. 2022.
47. Mohammad Erfan Bahrami, Masoud Honarvar, **Keivan Ansari**, Bahareh Jamshidi, " Investigating the effect of various pre-processing methods of the spectral data of sugar syrups on the model estimation of sucrose concentration in Near Infrared region", Journal of Color Science and Technology, 13, Issue 2, pages 99-106, Sep., 2018.
48. Mohammad Erfan Bahrami, Masoud Honarvar, **Keivan Ansari**, Bahareh Jamshidi, "Investigating the effect of various pre-processing methods of the spectral data of sugar syrups on the model estimation of sucrose concentration in Near Infrared", National Conference on Dyes, Environment and Sustainable Development, 4-5, Dec, Tehran, IRAN, 2018.
49. Mahzyar Gorji, **Keivan Ansari**, Farhad Ameri, Siamak Moradian, " Theoretical comparison of the Kubelka–Munk model and Chandrasekhar model in color matching of opaque systems", 11th National Textile Engineering Conference, Rasht, Iran, 9-10 May, 2018.
50. Bahrami, M. E., **Ansari, K.**, Honarvar, M., " CIE color coordinates measurement of imported raw cane sugar samples using spectrophotometer and correlation with their certain quality parameters", Journal of Food science and Technology (JFST), No. 55, Vol. 13, Pages 69-79, Sep 2016.
51. Ahmad Bahadorbaigy, Masoud Honarvar, **Keivan Ansari**, Mohammad Erfan Bahrami, " Determining the area of sugar beet using digital image processing method and its correlation with the technological factors", Journal of Research and Innovation in Food Science and Technology (jrifst), Volume 5, Issue 1, Pages 15-26, 2016.
52. Mahzyar GORJI, **Keivan ANSARI**, Farhad AMERI, Siamak MORADIAN, " A Concise Review on Color Match Prediction Models", Journal of Color Science and Technology, 8, Pages 249-260, Dec, 2014.
53. Habib Alizadeh, **Keivan Ansari**, Manochehr Khorasani, Hossain Mehravaran, "Investigation on Acoustic Property of sound absorbent Mastics contained some organic cellulosic materials", 2st National Conference on Management of Sound and Air Pollution, Sanati Sharif University, Tehran, Iran, Dec., 2013.
54. Habib Alizadeh, Manochehr Khorasani, **Keivan Ansari**, seyede Maryam Madani, " Production of an Automotive coating by the use of Microballon to Reduce Noise Pollution by the Damping Process, 3rd International Conference on Traffic Paints, signs road", Iran Polymer and Petrochemical Institute, 19-20 May, Tehran, Iran, 2013.
55. Mahzyar GORJI, **Keivan ANSARI**, Siamak MORADIAN, " The effect of various papers on the prediction accuracy of a cube nearest neighbor color prediction model in LUT profiles utilized in an inkjet printer", Journal of Color Science and Technology, P. 257-263, 7, Dec, 2013.
56. Mahzyar Gorji, **Keivan Ansari**, Siamak Moradian, " The use of Decomposing Theory and Artificial Neural Network To Enhance the Performance of Color Profile Management Systems", Journal of Printing and Publish, No 2, Pages 75-88, Spring 2012.
57. Mahzyar Gorji, **Keivan Ansari**, Siamak Moradian, " Investigating Methods for Determining the Boundaries of the Color Gamut of a Printer", Journal of Printing and Publish, No 1, Pages 103-117, Winter 2012.
58. **Keivan Ansari**, "Classification of some Color Illusions", Journal of Studies in Color World (JSCW), Pages:15-22, Vol. 1, No. 3, Winter 2011.
59. **Keivan Ansari**, Alireza Mahmodi Nahavandi, "Provide a New Assessment System for the Chipping Test using for Quality Control Labs at Automotive Industry", oral presentation, The First Conference Of Automotive Industry, Ahvaz, Iran, May., 2012.
60. Maryam zanganeh, mehdi safi, **keivan Ansari**, "Application of Instrumental Color Measurement to Control of Honey Quality", The First National Congress of Agricultural Science and New Technologies, Zanjan, Iran, 2011.
61. Mahshid Montazeri, Ali shams Nateri, **Keivan Ansari**, "Optimization of Polynomial Regression to Colorimetric Characterization of Digital Camera Data for Multi-Angle Imaging ", 4th International Conference of Iranian Society of Operation Research, Gilan, Iran, 2011.
62. **Keivan Ansari**, Siamak moradian, "Determining Correlation Factors Regarding the Color Pyramid Test and Cattell's Personality Questionnaire", Journal of Color Science and Technology, Vol. 3, No. 1, Spring 2009.
63. **Keivan Ansari**, "How We Perceive The Colors", Chap & Nashr Magazine (Print & Press Magazine), No. 51, Iran, Pages 30-31, 2009.
64. **Keivan Ansari**, "Color Experience", Sanat Rang Magazine (Paint Industry Magazine), No. 8, Iran, Pages 29-33, July 2004.
65. **Keivan Ansari**, "Glossiness", Sanat Rang Magazine (Paint Industry Magazine), No. 5, Iran, Pages 8-12, Nov. 2003.
66. **Keivan Ansari**, Author of section: "Frequently Ask Questions in Color Physics", Journal of Studies in Color Word (JSCW), Pages:59-60, Vol. 1, No. 2, Autumn 2011., Pages:71-72, Vol. 1, No. 3, Winter 2011.
67. **Keivan Ansari**, Author of : " Frequently Ask Questions in ", Sanat Rang Magazine (Paint Industry Magazine), 2004-2005.

6- Teaching Records

6.1. Academic Courses (Tehran, IRAN)

Course Name	Degree	Location	Time
- Advanced Colorimetry	M.Sc. in Color Engineering	Institute for Color Science and Technology (ICST)	One semester (2022)

- Advanced Colorimetry	M.Sc in Color Engineering	Institute for Color Science and Technology (ICST)	One semester (2020)
- Advanced Colorimetry	M.Sc in Polymer Engineering	Science and Research Branch, Islamic Azad University	One semester (2017)
- Advanced Colorimetry	M.Sc in Color Engineering	Institute for Color Science and Technology (ICST)	Five semester (2012-2017)
- Advanced Colorimetry	M.Sc in Color Engineering	Institute for Color Science and Technology (ICST)	Two semesters (2009,2010)
- Advanced Colorimetry	M.Sc in Polymer Engineering	Tehran Southern Branch , Islamic Azad University	One semester (2009)
- Entrepreneurship in Color Industries	M.Sc in Color Engineering	Institute for Color Science and Technology (ICST)	One semester (2010)
- Principle of Color Technology	B.Sc in Chemical Textile	Shahre Ray Branch, Azad University	Ten semester (2002-2006)

6.2. Training Workshops and Seminars on Color & Coatings (Tehran, IRAN)

Title	Subject	as	Location	Time
- Color Inspection and Color Matching (Metallic, pearlescent, Solid)	Workshop(1 Day)	Workshop Secretary/ Lecturer	Institute for Color Science and Technology (ICST)	Sep. 2022
-Color Management for Printing	Seminar(1 h)	Lecturer	21 th Printing and Packaging International Fair	Jun, 2015
- Color and Light	Workshop(1 Day)	Instructor	Institute for Color Science and Technology (ICST)	Nov,2014
- Image Processing Application from Particles to Remote Sensing	Seminar(1 h)	Lecturer	Institute for Color Science and Technology (ICST)	Dec, 2013
- Color Physics and its Application in ophthalmology	Seminar(2 Day)	Lecturer	Razi Convention Center, Tehran, Iran	March, 2013
- Color Physics for Printing Industries	Workshop(2 hour)	Lecturer	Iran Digital Printing Exhibition(IDPEX)	July, 2012
- Color Management for Porcelain Printing	Seminar (8 hour)	Lecturer	Maghsoud Porcelain Inc, Mashad, Iran	May, 2012
- Principles of Color Management in Printing(1&2)	Seminar (4 hour)	Lecturer	19 th International Fair on Printing & Packaging,Iran	Dec, 2012
- Principles of Color Management in Printing	Seminar (2 hour)	Lecturer	18 th International Fair on Printing & Packaging,Iran	Sep, 2011
- Application of color Measurement forIndustry (2nd)	Workshop(1 Day)	Instructor	Institute for Color Science and Technology (ICST)	Sep, 2011
- Application of color Measurement for Industry (1st)	Workshop(1 Day)	Instructor	Institute for Color Science and Technology (ICST)	Feb, 2010
- Practical Color Management in Printing (1st)	Workshop(1 Day)	Workshop Secretary\Instructor of (color&colorimetry in Printing)	Institute for Color Science and Technology (ICST)	Feb, 2010
- Inspection Principles of color and Coating in Urban Landscape	Workshop(2 Day)	Workshop Secretary\Instructor of (Color Psychology & Harmony)	Color Technology Incubator (CTI) , Pygman Tehran Co.	Dec,2010
- Getting Familiar with Principles of Color Management	Tech Class (4 h)	Lecturer	International Conferences on Quality Management of Printing (1st)	Oct, 2009
- Inspection and Control of Industrial Coatings (14th)	Workshop(2 Day)	Workshop Secretary\Instructor of	Color Technology Incubator (CTI)	Nov, 2013
- Inspection and Control of Industrial Coatings (13th)	Workshop(2 Day)	(Colorimetry , Safety Signs)	Color Technology Incubator (CTI)	Dec, 2012
- Inspection and Control of Industrial Coatings (12th)	Workshop(2 Day)	****	Color Technology Incubator (CTI)	July, 2012
- Inspection and Control of Industrial Coatings (11th)	Workshop(2 Day)	****	Color Technology Incubator (CTI)	March, 2012
- Inspection and Control of Industrial Coatings (10th)	Workshop(2 Day)	****	Color Technology Incubator (CTI)	Oct, 2011
- Inspection and Control of Industrial Coatings (9th)	Workshop(2 Day)	****	Color Technology Incubator (CTI)	Jun, 2011
- Inspection and Control of Industrial Coatings (8th)	Workshop(2 Day)	****	Color Technology Incubator (CTI)	Dec,2010
- Inspection and Control of Industrial Coatings (7th)	Workshop(2 Day)	****	Color Technology Incubator (CTI)	Jun, 2010
- Inspection and Control of Industrial Coatings (6th)	Workshop(2 Day)	****	Color Technology Incubator (CTI)	Mar,2009
- Inspection and Control of Industrial Coatings (5th)	Workshop(2 Day)	****	Institute for Color Science and Technology (ICST)	2009
- Inspection and Control of Industrial Coatings (4th)	Workshop(2 Day)	****	Institute for Color Science and Technology (ICST)	2009
- Inspection and Control of IndustrialCoatings (3rd)	Workshop(2 Day)	****	Institute for Color Science and Technology (ICST)	May,2009
- Inspection and Control of IndustrialCoatings (2nd)	Workshop(2 Day)	****	Institute for Color Science and Technology (ICST)	2008
- Inspection and Control of IndustrialCoatings (1st)	Workshop(2 Day)	****	Institute for Color Science and Technology (ICST)	2008
- Principles of Coating Formulation Assessment(3rd)	Workshop(2 Day)	Workshop Secretary\Instructor of	Color Technology Incubator (CTI)	2010
- Principles of CoatingFormulationAssessment(2nd)	Workshop(2 Day)	(Color Matching)	Color Technology Incubator (CTI)	2009
- Principles of Coating FormulationAssessment(1st)	Workshop(2 Day)	****	Color Technology Incubator (CTI)	2009
- Quality Control of Surface Coatings(6th)	Workshop(1 Day)	Workshop Secretary\Instructor of (Color Control)	Color Technology Incubator (CTI)	March,2012
- Quality Control of Surface Coatings(5th)	Workshop(1 Day)	****	Color Technology Incubator (CTI)	Oct,2012
- Quality Control of Surface Coatings(4th)	Workshop(1 Day)	****	Color Technology Incubator (CTI)	Oct,2011
- Quality Control of Surface Coatings(3rd)	Workshop(1 Day)	****	Color Technology Incubator (CTI)	Aug,2010
- Quality Control of Surface Coatings (2nd)	Workshop(1 Day)	****	Color Technology Incubator (CTI)	Jan,2010
- Quality Control of Surface Coatings (1st)	Workshop(1 Day)	****	Institute for Color Science and Technology (ICST)	May,2010
- How We Experience the Colors	Internal Lecture	Lecturer	Institute for Color Science and Technology (ICST)	2009
- Applications of Color physics	Internal Lecture	Lecturer	Institute for Color Science and Technology (ICST)	2009
- New Application of Color Physics in Industry	Workshop(1 Day)	Instructor	Institute for Color Science and Technology (ICST)	2009
- Color and Colorimetry in Urban Landscape	Seminar(1 Day)	Lecturer	Art Faculty in Tehran University	Jan 2010
- Quality Control of Textile Dyes (4th)	Workshop(2 Day)	Workshop Secretary\Instructor of - (Colorimetry in Textile)	Color Technology Incubator (CTI)	Oct 2013
- Quality Control of Textile Dyes (3rd)	Workshop(2 Day)	Workshop Secretary\Instructor of - (Colorimetry in Textile)	Color Technology Incubator (CTI)	Jan 2012
- Quality Control of Textile Dyes (2nd)	Workshop(2 Day)	Workshop Secretary\Instructor of - (Colorimetry in Textile)	Color Technology Incubator (CTI)	Jan 2010
- Quality Control of Textile Dyes (1st)	Workshop(2 Day)	Workshop Secretary\Instructor of (Colorimetry in Textile)	Color Technology Incubator (CTI)	Sep 2009
- NanoMaterial Production in Paints and Coatings	Workshop(1 Day)	- Instructor of (Color Physics in NanoMaterial Production)	Institute for Color Science and Technology (ICST)	Jan 2009
- Color Experience	Seminar	Lecturer	Art Faculty in Tehran University	Dec 2008
- Understanding and Expressing Color	Seminar	Lecturer	Scientific-applied higher education center for Art	Jan 2008
- Nanotechnology in Paints and Coatings (Methods & Application)	Workshop(1 Day)	Instructor of (Optical Phenomena of Nanostructures)	Institute for Color Science and Technology (ICST)	Jan 2008
- New Application of Color Physics in Industry	Workshop(1 Day)	Workshop Secretary\Instructor	The First Scientific Student Conference of Color Science and Technology	Mar 2008
- Principles of Colorimetry	Workshop(1 Day)	Instructor	Expo 2004 Amirkabir University of Technology(Polytechnic of Tehran)	Feb 2005
- Color Training for Society	Radio Programs		Salamat Radio, Javan Radio,.....	2005

6.3. Further Educational Workshops and Seminars (Tehran, IRAN)

Title	Subject	as	Location	Time
- Practical Genius for Human Resource	Workshop(1h.)	Lecturer	5 th International Conference of Training & Human Capital Development	Feb 2017
- A Genius Approach for Organization Productivity	Workshop(3h.)	Lecturer	Administrative & Recruitment Organization	Nov. 2017

- Genius in Paint Producing & sales	Workshop(6h.)	Lecturer	GoharFam Company	Sep 2017
- A Genius Idea	Workshop(3h.)	Lecturer	National Iranian Productivity Organization	Sep 2017
- Creativity and TRIZ for solving problems	Workshop (12 h.)	Lecturer	Informatics Department of Ayandeh Bank	Jun 2015
- Practical Ingenuity for Bank Managers	Workshop (4 h.)	Lecturer	Ayandeh Bank	Jun 2014
- Mechanism of Brilliant Idea Generation	Workshop (4 h.)	Lecturer	Afagh University (Oromiye City)	Jun 2013
- the use of Practical Ingenuity for crossing from Economical Crisis in the coating industry	Workshop(1h.)	Lecturer	International Fair of color, paint and coating(12th.)	Dec 2012
- Practical Ingenuity for Entrance into the World of Nano	Workshop(1h.)	Lecturer	International Fair of Nanotechnology(5th.)	Oct 2012
- Creativity & Idea Sources at Nano Technology	Workshop (4 h.)	Lecturer	Color Technology Incubator (CTI)	Jun 2012
- Genius Eyeglasses Maker	Seminar	Instructor	Optics and Spectacles Festival	May 2011
- Practical Genius for Spectacle Makers	Workshop	Instructor (6 Terms)	Union's Training Center in Tehran Glasses Manufacturers	2009-2011
- Entrepreneurship in Paint and Coating Industry	Workshop(50 h.)	Workshop Secretary\Instructor	Institute for Color Science and Technology (ICST)	Feb 2011
- Genius and Creativity	Workshop	Instructor	Art College of Tehran University	Jan 2008
- How We Create 1 Million Idea per Minute for Food Industry	Workshop	Instructor	International Fair of Nutrition - rasht	Feb 2009
- Creativity and its Methods	72 h. Courses	Instructor	Tehran University Entrepreneurship School	May 2008
- New Thinking Methods in the Third Millennium	Seminar	Lecturer	Yadegar Emam Branch , Azad University	2004

7- Advisory Records:

as	Level	Title	Student Name	Time
7.1. Ph.D Project				
Second Supervisor	Food Science and Technology (Science and Research Branch, Islamic Azad University)	Measuring and prediction of some quality parameters of sugar beet juices using Near-infrared Spectroscopy	Mohamad Erfan Bahrami	2019
Second Supervisor	Polymer Engineering- Printing (Institute for Color Science and Technology)	Improving the performance of kubelka-munk equation in color recipe prediction of printing systems	Mahzyar Gorji	2018
7.2. M.Sc Project				
Assistant Supervisor	Polymer Engineering- Color Technology (Amirkabir University)	Optimizing the Prediction of Reflectance of Ink Mixtures by the Aid of Artificial Intelligence	Farinaz Kahnamoie	2011
Main Supervisor	Color Engineering (Institute for Color Science and Technology)	Assessing Customary Methods for Converting Additive to Subtractive Mixing in Digital Printing	Mahrzyar Gorji	2011
Supervisor	Polymer Engineering , Color Technology Research (Tehran Southern Branch , Islamic Azad University)	Color Natural Databases	Mohamad Valizadeh	2011
Supervisor	Polymer Engineering , Color Technology Research (Tehran Southern Branch , Islamic Azad University)	Investigation on the Noise Reduction of Acoustic Coatings	Habib Alizadeh	2014
Assistant Supervisor	Textile Chemistry (Gilan University)	Gonio-Spectral Reflectance Measurement by Digital Camera	Mashid Montazeri	2010
Advisor	Repair Archaeological Remains (Esfhan Art University)	Color Changing the Historical Painting of Facades at the Exterior Conditions	Peyman Paryav	2011
Advisor	Polymer Engineering , Color Technology Research (Tehran Southern Branch , Islamic Azad University)	Quality Control of Honey Bee Using Color Measurement	Maryam Zanganeh	2011
7.3. B.Sc Project				
Second Supervisor	Polymer Engineering- Color Technology (Amirkabir University)	A survey on Skin Color of Iranian and Pantone Human Skin Color Guide in CIEL*a*b* color space using FCM Clustering	Farahnaz Iranmanesh	2018
Second Supervisor	Polymer Engineering- Color Technology (Amirkabir University)	Transforming Color Space between Images Using Decomposition Theory and Principal Component Analysis	Nader Chavoshi	2011
Second Supervisor	Polymer Engineering- Color Technology (Amirkabir University)	Evaluating metallic flake orientation	Hydarian- Naseh	2010
Supervisor	Textile Chemistry (Yadegar Emam Branch , Islamic Azad University)	Investigating the Characteristics of Wetting Agents on Polyester	Mahdi Farokhi	2005
Supervisor	Textile Chemistry (Yadegar Emam Branch , Islamic Azad University)	Color Mixing In Textile	-	2005
7.4. M.Sc Seminar Course				
Supervisor	Institute for Color Science and Technology (ICST)	Halftone Process (Printing)	Mahrzyar Gorji	2010
Supervisor	Tehran Southern Branch , Azad University	Reflectance Spectral Databases	Mohamad Vali Zadeh	2010
Supervisor	Tehran Southern Branch , Azad University	Acoustic Absorbances	Farshad Sabrdost	2010
Supervisor	Tehran Southern Branch , Azad University	Retroreflectance Properties in Traffic Paints	Masoumeh Rashidi	2010
7.5 Apprenticeship				
Supervisor	B.Sc student in Color Science (Amirkabir University, Polytechnic of Tehran)	Data Base Preparation of a Group of Iranian Color Skins	Narges Hasani	2012
Supervisor	B.Sc student in Textile Chemistry (Tehran Southern Branch , Islamic Azad University)	Characteristics of Light Source (Made in Iran)	Talat Taghavi	2011
Supervisor	B.Sc student in Textile Chemistry (Amirkabir University, Polytechnic of Tehran)	Dyeing of Flowers	Maryam Mirafshar	2010
Supervisor	B.Sc student in Polymer (Science and Research Branch, Islamic Azad University)	Dyeing of ABS	Masoumeh Kaviani	2010
Supervisor	B.Sc student in Chemical Engineering (Tehran Northern Branch , Islamic Azad University)	Providing Educational Materials for Colorimetry	Nina Mohaghegh	2009
Supervisor	B.Sc student in Color Science (Amirkabir University, Polytechnic of Tehran)	Color Management	Nilofar Kazem Argi	2009
Supervisor	Associates Degree in color (Mehrkam Pars College)	Providing Instruction for Building Painting	M.hossein Sedghi	2008
Supervisor	Associates Degree in color (Mehrkam Pars College)	Designing Web site for Color Physics Department	Seyed Sepehr Moieni	2008
Supervisor	Associates Degree in color (Mehrkam Pars College)	Providing Database for State Color and Paint Industry	Faraz Gerist	2008

8- Reviewer Records:

- 1 Ph.D. Thesis for Remote sensing & GIS department, Tehran University, Tehran, Iran.
- 2 M.Sc Thesis for Printing and Color Physics departments of Institute for Color Science and Technology (ICST) (in Persian), Iran.
- 8 M.Sc Thesis for Textile department of Amirkabir University (polytechnic of Tehran), Iran.
- 4 M.Sc Thesis for Polymer & Color department of Amirkabir University (polytechnic of Tehran), Iran.
- 1 Scientific Article for Sensor Review.
- 2 Scientific Articles for Coloration Technology.
- 6 Scientific Articles for Journal of Color Science and Technology(in Persian), Iran.
- 1 Scientific Articles for Iranian Research & Development center for Chemical Industries (IRDCI) (in Persian), Iran.

- 5 Scientific Articles for Journal of Color Science and Technology(JCST), (in Persian).
- 11 Scientific Articles for Journal of Studies in Color World(JSCW),(in Persian).
- 6 Scientific Articles for 7th International Color & Coating Congress (ICCC 2017) and 3 for ICCC 2011
- 2 Scientific Articles for Carpet International Conference(in Persian), Iran, 2009.
- 111 Scientific Articles for the first Scientific Student Conference of Color Science and Technology(in Persian), Tehran, Iran, 2008.
- 3 Scientific Invention for Institute for Color Science and Technology (ICST) (in Persian), Iran.
- 1 research proposal for Iran National Science Foundation(INSF) (in Persian), Iran.

9- Books

- Writer : Michal Vik, Translators in Persian: Mahdi Safi, **Keivan Ansari**, " Colorimetry in Textile Industry", Publisher Institute for Color Science and Technology, 288 pages, 2023.
- **Keivan Ansari**, "Color Management in Monitors", Publisher naghsh bayan, (in Persian), 2013.
- Reviewer and Co-Writer of Third Section of the book intitlde: Scientific Visiting with Color " Fundamentals of Modern Remote Sensing", Tehran University Publisher, (in Persian), 2009.
- **Keivan Ansari**, "the First Scientific Student Conference of Color Science and Technology", (in Persian), 2008.

10- Patents

1. Mahzyar Gorji, Farhad Ameri Shahrabi, **Keivan Ansari**, "Color matching algorithm for translucent systems ", Iranian patent No. 107507,Date of registration: Oct. 8, 2022.
2. **Keivan Ansari**, Erfan Bahrami, Masud Honarvar, "Appearance properties evaluating system for sugar", Iranian patent No. 99717,Date of registration: Nov. 16, 2019.
3. Ehsan Amini, Arash Azizi, **Keivan Ansari**, "Tongue alignment for color photography", Iranian patent No. 86110,Date of registration: Jul. 4, 2015
4. Maryam Madani, Manuchehr khorasani,**Keivan Ansari**, Habib Alizadeh,"Cracked Multicolor Paint", Iranian patent No.81335,Date of registration: Dec. 7, 2013
5. **Keivan Ansari**, 'evaluating stone chip (chipping) resistant test using scanner", Iranian patent No.73068 ,Date of registration: Dec. 25, 2011
6. **Keivan Ansari**, 'evaluating adhesion resistant test(Cross Cut) using scanner", Iranian patent No. 73069 ,Date of registration: Dec. 25, 2011

11- Scientific Research Records

Title	Subject	As	Employer	Time
Industrial Research Project	Color transferring of an art image into a target image using PCA	Executive	ICST	2018
Domestic Research Project	A new mathematical technique for colorimetric characterization of a scanner	Executive	ICST	2011
Domestic Research Project	Color Scene Transform between two images using histogram matching	Co-Worker	ICST	2011
Domestic Research Project	measurement of surface coating adhesion in cross cut & Chipping Resistance tests with the aid of image processing technique	Executive	ICST	2011
Domestic Research Project	Reconstruction of Metameric Black from Color Tristimulus Values using Spectral Decomposition Theory and Neural Network	Executive	ICST	2010
Domestic Research Project	Strategic study of the production of a display	Executive	ICST	2009
Industrial Research Project	Selection of Metallic Color Shade for Aluminum Composite Coated with PVDF	Executive	ICST	2012
Industrial Research Project	Calibration and Characterization a Spectrophotometer	Executive	ICST	2012
Industrial Research Project	Determination of technical data of a white thermoplastic road marking sample and a glass bead sample	Executive	ICST	2012
Industrial Research Project	Characterization of Two Kind of Noise and Vibration Redactor Coatings (for Parasto Kaman Co.)	Executive	ICST	2011
Industrial Research Project	Know How of Architectural Water Base Paints and Air Dried Alkyd Paints (for Shimi Gharb Asia Co.)	Executive	ICST	2011
Industrial Research Project	Dyeing and Characterization of 33 Dyestuffs for Knitting Textiles(for Rangiran Co.)	Executive	ICST	2010
Industrial Research Project	Problem Solving of Unwelcome Gas output in Tube	Executive	ICST	2010

12- Know-how Provision

- A New Temporary Elastic Paint (Anti Dust for Transportation of Vehicles and Goods, Temporary Signs and Marking, Color Changing of Cars, Kids Painting on the Wall,), 2011.
- Clay foam with Elasticity (Insulator for Buildings, Camouflage, Vertical Gardens...),2011.
- New Anti Flash Rust Inhibitor for Wet Blast Systems,2003.
- Solvent Systems for Removing of Pad or Tampo Printing Inks from Propylene,2000.
- Software Providing for Change Lab to (Munsell, RAL, NCS,), 2008.
- Color Management (A Collection of Digital Books & Software), 2008.
- Software of Paint and Coating Formulation, 2011.

13- Executive Affairs Records

Subject	As	Location	Time
- 2 nd International Color Matching Competition(ICMC 2014)	Membership in Scientific Committee	Amirkabir University(Polytechnic of Tehran)	Oct, 2014
- Formulation Management of multicolor	Secretary General of Workshop	Color Technology Incubator (CTI)	May. 2012
- Applying of Decorative & Hoax Paints(3rd.)	Secretary General of Workshop	Naghsh & Negar	July,2013
- Applying of Decorative & Hoax Paints(2nd.)	Secretary General of Workshop	Color Technology Incubator (CTI)	Jun,2013
- Applying of Decorative & Hoax Paints(1st.)	Secretary General of Workshop	Color Technology Incubator (CTI)	May,2013
- Principle of Industrial Resins Technology	Secretary General of Workshop	Color Technology Incubator (CTI)	June, 2012
- Additives for Paints & Coatings(3rd.)	Secretary General of Workshop	Color Technology Incubator (CTI)	Mar,2012
- Additives for Paints & Coatings(2nd.)	Secretary General of Workshop	Color Technology Incubator (CTI)	Oct, 2012
- Additives for Paints & Coatings(1st.)	Secretary General of Workshop	Color Technology Incubator (CTI)	Oct, 2011
- Assessment and Monitoring of Air Dried Alkyd Paints(1st)	Secretary General of Workshop	Color Technology Incubator (CTI)	Sep, 2011
- 3 th International Color and Coatings Congress(ICCC2009)	Membership in Scientific Committee	Institute for Color Science and Technology (ICST)	Nov,2009
- 2 nd International Conference on Automotive Paints & Coatings	Membership in Scientific Committee	Institute for Color Science and Technology (ICST)	Nov,2009
- Display Board in ICST	Membership in Scientific Committee	Institute for Color Science and Technology (ICST)	2009
- Color Imaging Booth	Manager	National Digital Media Fair (Mosalah, Tehran)	Feb, 2008
- ICST Booth	Executive Manager	Nanotechnology (Hejab Saloon, Tehran)	2008
- ICST Booth	Executive Manager	Nanotechnology (Tarbiat Modares University, Tehran)	2009
- ICST Booth	Executive Manager	International Color Fair	Feb, 2009
- Application of Color Physics in Industry(Workshop)	Membership in Scientific Committee	Institute for Color Science and Technology (ICST)	Feb, 2009
- PVC Coatings for Automotives(Workshop)	Secretary General of Workshop	First Student Conference of Color science and Technology	Mar, 2008
- Nano Pigments (synthesis, Properties, Applications)	Secretary General of Workshop	First Student Conference of Color science and Technology	Mar, 2008
- Dyeing of Protein Fibers using Natural Dyestuffs	Secretary General of Workshop	First Student Conference of Color science and Technology	Mar, 2008
- First Student Conference of Color science and Technology	Secretary General of Conference	Institute for Color Science and Technology (ICST)	2008
- A Competition for essay Writing and Preferable Theses	Scientific Committee	First Student Conference of Color science and Technology	2008
- Choosing Superior Innovation in State Paint Industry	Executive Manager	First Student Conference of Color science and Technology	2008
- National Standard Codification of Spectrophotometry	Membership in Scientific Committee	National Committee(237)	2008

Membership

- A permanent Member of Iranian Society of Machine Vision and Image Processing(ISMVIP) , 2011-now.
- A permanent Member of Iranian Pattern Recognition, 2011-now.
- A permanent Member of Iranian Scientific Society of Color, 2005-now.
- A member of Alumnus Society of AmirKabir University, 2005-now.
- Former Examiner of Polymer & Color of Alumnus Society of AmirKabir University, 2005-2006.

14- Professional Training Courses

Subject		Location	Time
- Latex Software	Training Course (16 hrs.)	Institute for Color Science and Technology (ICST)	June 2014
- Professional ethics	Training Course (16 hrs.)	Institute for Color Science and Technology (ICST)	Dec. 2013
- Design Thinking	Workshop (24 hrs.)	Sharif University(Entrepreneurship Incubator), Mona Taheri	Feb. 2013
- Creativity & Innovation	Training Course (8 hrs.)	Sharif University(Entrepreneurship Incubator), Dr Fayzbakhsh	Feb. 2012
- Principle of negotiation	Training Course (8 hrs.)	Sharif University(Entrepreneurship Incubator), Dr Hydari	Dec , 2012
- Advanced TRIZ	Workshop (16 hrs.)	Sharif University(Entrepreneurship Incubator)	Sep, 2012
- Meta mathematics	Training Course (36 hrs.)	Tehran, Dr Naseri	Nov. 2012
- Advanced Fuzzy Logics in Matlab	Workshop (16 hrs.)	Matlab Site	Aug, 2012
- MBA for Food Industries	Seminar(3 hrs.)	Mahan Business School	July, 2012
- TRIZ	Seminar(2 Day)	Conference on Problems Solving Strategies and Tecchniques	Mar. 2012
- Design of Experiments 6-Sigma Methodology	Training Course (2 hrs.)	Conference on Problems Solving Strategies and Tecchniques	Mar. 2012
- Scientific Writing Methods	Training Course (4 hrs.)	Institute for Color Science and Technology (ICST)	Sep. 2011
- Chinese Principles of Business	Training Course (6 hrs.)	Alvares Institute of Management	May. 2011
- Technical TRIZ Level I	Workshop (40 hrs.)	Iranian Institute of Innovation & Technological Studies(IITS)	Autumn 2011
- Entrepreneurial Training of Trainers	Workshop (120 hrs.)	Faculty of Entrepreneurship University of Tehran	2008-2009
- Color Management(from Creativity to Printing)	Workshop (1 Day)	Padid Pardazesh Payedar, Konka Minolta Graphic Dep.	Jun. 2008
- Official Correspondence	Training Course (36 hrs.)	Merchandise Inspection & Supervision Organization	Des. 2005
- Scientific Essay Writing in English	Training Course (16 hrs.)	Tehran Southern Branch , Islamic Azad University(Tanning Center)	Sep. 2004
- Color Physics	Workshop (2 Days)	Institute for Color Science and Technology (ICST)	Jul. 2004
- Surface Coating	Workshop (2 Days)	Polymer Institute	Nov. 2001
- Organizational Decision-Making	Workshop (5 Days)	Crarlton University, Qeshm Free Zone	1998
- ISO 9001 Quality Control	Workshop (3 Days)	Shola Company	1997
- Apply Paint & Coating Engineering	Training Course (60 hrs.)	Ministry of Industries Institute for Training	Sep. 1992
- Some Accomplished Courses : Windos, Mac OS, Matlab, Word, Excel, Power point,.....			