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### **Education:**

**1999-2003 PhD in Colour Chemistry, UMIST, Manchester, UK**  
**Thesis: Synthesis and evaluation of novel trisazo chromophores for use in direct and reactive dyes**

**1992-1995 MSc in Textiles Chemistry and Fibre Science, Amirkabir University of Technology, Tehran, Iran**  
**Dissertation: The effect of take up velocity on the properties of nylon 6 filaments**

**1988-1992 BSc in Textiles Chemistry and Fibre Science, Amirkabir University of Technology, Tehran, Iran**  
**Project: The production of PVC filaments**

### **Work Experience:**

**2011- now Head of Textile Department, Faculty of Engineering, The University of Guilan, Rasht, Iran**

**2006- now Member of academic staffs, Department of Textiles, Faculty of Engineering, The University of Guilan, Rasht, Iran**

**2008-2009- Deputy for Financial and Administration Affair, Faculty of Engineering, The University of Guilan, Rasht, Iran**

**2006-now Visiting Lecturer in Advanced Colorimetry (MSc Students, Colour Technology and Science), Islamic Azad University, Postgraduate Department of South Tehran Branch, Tehran, Iran**

**2008-now Co-operation as Supervisor for MSc students Thesis (Chemistry), Islamic Azad University, Shahre Ray Branch, Shahre Ray, Iran**

**1995-1999 Lecturer for Coloration Technology, Dye Synthesis, their laboratory courses, Colour Physics and Fibre Production, Guilan University, Rasht, Iran**

**1995-1996 Equip and foundation of dyeing laboratories, Guilan University, Rasht, Iran**

**1993-1994 Visiting instructor for Coloration Technology laboratory courses, Azad University, Shahreh Ray, Iran**

**1993-1994 Visiting lecturer for Texturizing, Azad University, Kashan, Iran**

**1992-1994 Examination officer, Textiles Engineering Department, Amirkabir University of Technology, Tehran, Iran**

**1992-1994 Assistant Lecturer for Organic Chemistry, Amirkabir University of Technology, Tehran, Iran**

### **Publications:**

#### **Books:**

- **Chemical Principles of Synthetic Fibre Dyeing, Author: S. M. Burkinshaw, Translated by J. Mokhtari, S. A. Orumeei and S. Dadvar, 1390**

#### **Papers:**

- **U. Goudarzi, J. Mokhtari, M. Nouri, "Camouflage of cotton fabrics in visible and near infrared region using vat dyes", Journal of Colour Sciences and Technology, accepted on 30-07-2012.**
- **U. Goudarzi, J. Mokhtari, M. Nouri, "Investigation of the possibility of dye application in order to imparting Near Infrared camouflage using UV-Vis spectrophotometer", Journal of Textile Science and Technology, accepted on 30-07-2012.**
- **U. Goudarzi, J. Mokhtari, M. Nouri, "Camouflage of Cotton Fabrics in Visible and NIR Region Using Three Selected Vat Dyes, Color research and Application, accepted on 29-06-2012.**

- **S. Mojtaba Alizadeh Darbandi, Mahdi Nouri \*, Javad Mokhtari, “Electrospun Nanostructures Based on Polyurethane/MWCNTs for strain sensing applications”, *Fibers and Polymers*, accepted on 06-05-2012.**
- **F. Shahmoradi Ghaheh, A. Shams Nateri, S.M. Mortazavi, D. Abedi, J. Mokhtari, “The effect of mordant salts on Colorimetric Assay and Antibacterial Activity of wool fabric dyed with (Pomegranate and Walnut) shells Extracts” *Coloration Technology*, accepted on 18-04-2012.**
- **Marzieh S. Javadi, Javad Mokhtari\*, Mahdi Nouri and Mohammad J. Mehdipour, “Novel cationic softener containing MCT reactive dyes for cotton: synthesis and characterization”, *Fibers and Polymers*, accepted on 01-01-2012.**
- **A. Akbarzadeh, J. Mokhtari, SH. Kolkohi and M.A. Sarli, “Imparting Insect Repellency to Nylon 6 Fibers by Means of a Novel MCT Reactive Dye”, *Journal of Applied Polymer Science*, 126 (2012) 1097-1104.**
- **Marzieh S. Javadi, Javad Mokhtari , “Synthesis and evaluation of technical properties of novel cationic mono-s-chloro triazinyl (MCT) reactive dyes on cotton”, *J. Chin. Chem. Soc.*, 59 (2012) 793-801.**
- **M. Rostamloo, M. Nouri\*, and J. Mokhtari, “Effect of Nanoclay on the Electrospinning of Poly ( $\epsilon$ -caprolactone)”, *Iranian Journal of Polymer Science and Technology* Vol. 24, No. 3, 231-240 August-September 2011.**
- **J. Mokhtari \*, M. Nouri, “Electrical conductivity and chromic behavior of poly (3-methylthiophene) - coated polyester fabrics”, *Fibers and Polymers*, 13 (2012) 139-144.**
- **M. Saifpour, M. Nouri and J. Mokhtari, “Phase change materials and their application on textiles”, *Journal of Colour Sciences and Technology*, 1 (1390) 11-19.**
- **D. Mostafanejad, A.A. Sarabi Daryani, J. Mokhtari,” Study on a primer based of epoxy resin using glass flakes on galvanizing substrate, *Paints and Coatings*, 10-09-1390.**
- **M. Dashti, J. Mokhtari \*, M. Nouri, F. Shirini,”Imparting conductivity and chromic behavior on polyester fibres by means of poly (3-methylthiophene) nanocoating”, *Journal of Applied Polymer Science*, 124 (2012) 3007-3012.**

- **M. Saifpour, M. Nouri and J. Mokhtari**, "Thermo-regulating Nanofibers Based on Nylon 6,6/Polyethylene Glycol Blend", *Fibers and Polymers* 2011, Vol.12, No.6, 706-714
- **J. Mokhtari, M. Nouri** , U. Goudarzi, "Naphthalimide based disperse dyes for nylon 6 and polyester (PET) fibres: Synthesis and evaluation of technical properties in the presence of urea", *Chinese Journal of Polymer Science Vol. 29, No. 6, (2011)*, 712-718
- **J. Mokhtari\***, **M. Nouri** and **M. A. Sarli**, "Dyeing of cotton/polyester fabric with selected reactive/disperse dyes under neutral condition", *Journal of Colour Sciences and Technology*, 4 (2011) 143-148.
- **Z. Mohammadhodaei, J. Mokhtari and M. Nouri**, "Novel antibacterial acid dyes derived from naphthalimide: synthesis, characterization and evaluation of their technical properties on nylon 6", *Coloration Technology*, 126 (2010) 81-85.
- **Mahsa Rostamloo, Javad Mokhtari**, "Dyes used in Smart Textile", **ITEC2009, Department of Textile Engineering, Faculty of Engineering, University of Guilan, Rasht, Iran, 27-29 October 2009**
- **U. Goudarzi, Z. Salmani, J. Mokhtari, D. A. S. Phillips, J. A. Taylor**, "Study of hydrolysis of novel bi- functional reactive dyes using HPLC" , **ITEC2009, Department of Textile Engineering, Faculty of Engineering, University of Guilan, Rasht, Iran, 27-29 October 2009**
- **M. Nouri, J. Mokhtari**, "An experimental study of electrical current in variation in the electrospinning of PVA", **ITEC2009, Department of Textile Engineering, Faculty of Engineering, University of Guilan, Rasht, Iran, 27-29 October 2009**
- **B. Nasiri, J. Mokhtari, U.Goudarzi**, "A review on the dyeing techniques of polypropylene fibres", **ITEC2009, Department of Textile Engineering, Faculty of Engineering, University of Guilan, Rasht, Iran, 27-29 October 2009**
- **M. Saberi Motlagh, J. Mokhtari , K. Gharanjig**," A review on biomedical dyes and their applications", **ITEC2009, Department of Textile Engineering, Faculty of Engineering, University of Guilan, Rasht, Iran, 27-29 October 2009**
- **F. Rajabi, J. Mokhtari, M. Nouri and O. Ghamgosar**, "Dyeing of cotton-polyester fabric with reactive/disperse dyes under neutral condition", **ITEC2009, Department of Textile Engineering, Faculty of Engineering, University of Guilan, Rasht, Iran, 27-29 October 2009**

- **Marziehsadat Javadi, Javad Mokhtari, Mahdi Nouri, "Antibacterial effect on cotton using a novel antibacterial dyestuff", ITEC2009, Department of Textile Engineering, Faculty of Engineering, University of Guilan, Rasht, Iran, 27-29 October 2009**
- **M.Nouri, J. Mokhtari, Hamideh Mirbaha, "Electrical Conductivity of Textile Fibers Coated by Electrically Conducting Polymers-Effect of Polymerization Temperature" , ITEC2009, Department of Textile Engineering, Faculty of Engineering, University of Guilan, Rasht, Iran, 27-29 October 2009**
- **Marzieh Sadat Javadi, Saeedeh Froghian, Javad Mokhtari, Maryam Sharzehee, "The synthesis and properties of novel cationic and Amphoteric softeners on cotton fabric" , ITEC2009, Department of Textile Engineering, Faculty of Engineering, University of Guilan, Rasht, Iran, 27-29 October 2009**
- **F.Shahmoradi Ghaheh, A.Shams Nateri, S.M.Mortazavi, D.Abedi, J.Mokhtari, "The Effect of Mordant on Absorption Behavior of walnut-peel and Cochineal on Wool" , ITEC2009, Department of Textile Engineering, Faculty of Engineering, University of Guilan, Rasht, Iran, 27-29 October 2009**
- **Ali Zoashkiani, Mahdi Nouri, Javad Mokhtari, "Surface modification of polypropylene fibers using Poly (acrylic acid)" , ITEC2009, Department of Textile Engineering, Faculty of Engineering, University of Guilan, Rasht, Iran, 27-29 October 2009**
- **Mahdi Nouri, Hamideh Mirbaha, Javad Mokhtari, Ozra Ghamgosar, "Vapor Phase Polymerization of Polypyrrol on The Electrospun PVA Nanofibres", ITEC2009, Department of Textile Engineering, Faculty of Engineering, University of Guilan, Rasht, Iran, 27-29 October 2009**
- **Marzieh Sadat Javadi, Javad Mokhtari, Mahdi Nouri, "Synthesis and antibacterial properties of a Novel Antibacterial Reactive Dye" , ITEC2009, Department of Textile Engineering, Faculty of Engineering, University of Guilan, Rasht, Iran, 27-29 October 2009**
- **Zinat Mohammadkhodaei, Javad Mokhtari , Mahdi Nouri, "Synthesis a novel antibacterial disperse dye with salicylic acid and quantitatively evaluation of their antibacterial properties on polyester", ITEC2009, Department of Textile Engineering, Faculty of Engineering, University of Guilan, Rasht, Iran, 27-29 October 2009**
- **S. Alipour, M. Nouri, J. Mokhtari, S. H. Bahrami, "Electrospinning of poly (vinyl alcohol)–water-soluble quaternized chitosan derivative blend", Carbohydrate Research, Vol 344, Issue 18, 14 Dec 2009, pages 2496-2501**

- **M. Sadeghi Kiakhani, M. Arami, K .Gharanjig, J. Mokhtari, N.M.Mahmoodi, "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, Vol.10, No.4, 446-451**
- **J. Mokhtari, A. Akbarzade, D. A. S. Phillips and J. A. Taylor, " STUDY OF APPLICATION PROPERTIES OF NOVEL TRISAZO HETERO BI-FUNCTIONAL REACTIVE DYES BASED ON J-ACID DERIVATIVES FOR COTTON", *The Arabian Journal for Science and Engineering*, Volume 34, Number 2A, July 2009.**
- **M. Sadeghi Kiakhani, M. Arami, K .Gharanjig, N.M. Mahmoodi, J. Mokhtari, " The Dyeing of Wool with Monoazo Disperse Dyes Based on Naphthalimide Containing Butyric Acid" , *Journal of Color Science and Technology*, Vol. 3, 2009.**
- **Z. Mohammad Khodaei, J. Mokhtari, M. Nouri and F. Mashayekhi, " Imparting antibacterial effect on nylon using synthesised dye based on naphthalimide ", 9<sup>th</sup> Congress of scientific-research at Guilan University, 21-23 Feb 2009, Guilan University, Rasht, Iran**
- **M. Sadeghi Kiakhani, M. Arami, K .Gharanjig, J. Mokhtari, N.M. Mahmoodi, "Synthesis and Characterization of Novel Monoazo Naphthalimide Disperse Dyes Containing Carboxylic Acid Group with High Heat Fastness Properties", *J. Chin. Chem. Soc.*, Vol. 55, No. 6, 2008**
- **M. Sadeghi Kiakhani, M. Arami, K .Gharanjig, J. Mokhtari, N.M. Mahmoodi, "Synthesis of N-butanoic acid-1,8- naphthalimide-azo-N,N-dimethylaniline as a new monoazo disperse dyestuff", *International Conference of Applied Research in Textile*, © CIRAT-3, 2008, Sousse, Tunisia**
- **Z. MohammadKhodaei, J. Mokhtari, M. Nouri, "Synthesis and evaluation of a novel antibacterial dye on Nylon", 1<sup>st</sup> Congress on Textile Engineering, October 2008, Islamic Azad University, Shahr-e-Rey Branch, Tehran, Iran**
- **Z. MohammadKhodaei, J. Mokhtari, M. Nouri, "Synthesis and evaluation of a novel alkali hydrolysable dye based on naphthalimide on polyester", 1<sup>st</sup> Congress on Textile Engineering, October 2008, Islamic Azad University, Shahr-e-Rey Branch, Tehran, Iran**
- **J. Mokhtari, K. Gharanjig, M. Arami and N. M. Mahmoody, "Novel hydrolysable azo disperse dyes based on N-ester-1,8-naphthalimide: Dyeing of polyester/cotton blends", *Coloration Technology*, 124 (2008) 295-300**

- **A. Shams Nateri, M. Mafi and J. Mokhtari, "Study of pH effect on cochineal dye solution", 1<sup>st</sup> Seminar of Iranian Carpet, 13 May 2008, page 84, University of Shahre Kord, Share Kord, Iran**
- **K. Gharanjig, M. Arami\*, A. Khosravi, N. M. Mahmoodi, J. Mokhtari, The One-bath Dyeing of Polyester and Cotton Fabrics with Novel Naphthalimide-based Disperse Dyes and a Reactive Dye, Journal of Colour Sciences and Technology, 1 (2007) 67-72.**
- **H. Yousefpour Navid, M. Arami, K.Gharanjig and J. Mokhtari, "Synthesis of 4-flourosulfonylazobenzene-2-naphthol as a disperse dye and investigation of its dyeing properties on polyester fibres", The 6th National Iranian Textile Engineering Conference, 8-9 May 2007, Pages 180-181, Textile Engineering Department, Isfahan University of Technology, Isfahan, Iran**
- **K. Gharanjig, M. Arami, H. Kharrati and J. Mokhtari, "Synthesis of a disperse dye with fluorescent properties for polyester fibres", The 6th National Iranian Textile Engineering Conference, 8-9 May 2007, Pages 176-178, Textile Engineering Department, Isfahan University of Technology, Isfahan, Iran**
- **Javad Mokhtari, Duncan A. S. Phillips and John A. Taylor, "Synthesis and evaluation of a series of trisazo hetero bi-functional reactive dyes for cotton", Dyes and Pigments, 64 (2005) 163-170**
- **Javad Mokhtari, Duncan A. S. Phillips and John A. Taylor, "Synthesis and evaluation of a series of trisazo monochloro-s-triazinyl (MCT) reactive dyes for cotton", Dyes and Pigments, 63 (2004) 51-63**
- **Javad Mokhtari and Mokhtar Arami, "Treatment of textiles wastewater", Textiles Wastewater Seminar, 1998, Rasht, Iran**
- **M. Haghghat Kish, A. Khosrowshahi, J. Mokhtari, "High-speed Melt-spun Polyamide and Polypropylene Filaments", International Conference on Polymer Science & Technology, 3-5 Nov 1997, Tehran, Iran**
- **Javad Mokhtari and Farrokh Darvishi, "Problems Solution for Mechanical Physics", Physics, David Holiday, 1991, Tehran, Iran**
- **Javad Mokhtari and Majid Tahsini, "Problems Solution for Electrical Physics", Physics, David Holiday, 1990, Tehran, Iran**

### Current Teaching:

- **Coloration Technology for Textiles Chemistry and Fibre Science students**
- **Dye Synthesis for Textiles Chemistry and Fibre Science students**

- **Advanced Dye Synthesis for Textiles Chemistry and Fibre Science students (MSc)**
- **Advanced Textiles Colouration topics for Textiles Chemistry and Fibre Science students (MSc)**
- **Advanced Colorimetry for Colour Technology and Science students (MSc)**
- **Modern Colorants and their applications for Textile Chemistry and Fibre Science students (MSc)**

**Research Interests:**

- **Design and application of functional dyes**
- **Design and application of dyes for textiles industry**
- **Modification of fibres in order to increase their dyeability**
- **Application of nanotechnology in coloration technology**

**Consultancy Services:**

- **Functional dyes**
- **Smart Textiles**
- **Removal of colour from wastewater**
- **Nano finishing and application of nano material to Fibres**
- **Fastness of dyes on textile substrates**
- **Chemical modification of fibres**
- **Application of dyestuffs and finishes to textile substrate**