



Ahmad Akbari

Professor

College: Faculty of Architecture and Art

Department: Carpet

Welcome to Dr. Ahmad Akbari web site

Education

Degree	Graduated in	Major	University
BSc	1992	B.Sc. in Textile engineering (Textile chemistry and fibre science)	Esfahan University of technology
MSc	1997	M. Sc. in Textile engineering (Textile chemistry and fibre science)	Amirkabir University
Doctoral	2003	Ph.D. in Textile engineering (Textile chemistry and fibre science)	Paul Sabatier University (Toulouse III)

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
University of Kashan	Professor of Textile Chemistry	Tenured	Full Time	38

Work Experience

Dean of Institute, Institute of Carpet, University of Kashan (2015-Present)

Education Vice Chancellor of Faculty, Faculty of Architecture & Art, University of Kashan (2018-Present)

Dean of Faculty, Faculty of Architecture & Art, University of Kashan (2016-2018)

Dean of Faculty, Faculty of Architecture & Art, University of Kashan (2005-2011)

Awards

The best Researcher of the year award from University of kashan (2003, 2006, 2008, 2010, 2012, 2014, 2017, 2019)

The best Teacher of the year award from University of kashan (2008, 2009, 2010, 2011, 2013, 2017, 2020)

The best Researcher of the year award in Esfahan Province (2011, 2012, 2018)

The selected researcher of the year award from University of Kashan (2016, 2018)

Course Topics

Teaching Experience (2003-up to now) Graduate & Undergraduate

B.Sc

- Dyeing of wool and cotton
- Dyeing of synthetic fibres
- Natural dyeing
- Color technology
- Color chemistry
- Analytical chemistry
- Textile finishing
- Organic chemistry I, II

M.Sc

- Polymer and its application in nanotechnology
- Color and glaze
- Advanced colour chemistry
- Advanced fiber chemistry
- Supramolecular Chemistry
- Surface Chemistry

Journal Membership

Journal of Iranian Handicrafts

Membership in Scientific Societies

Iran Carpet Scientific Association

Textile Science and Technology Association of Iran

Papers in Conferences

1. A. Akbari, Preparation of hollow fibre nanofiltration membranes by photo polymerization and its application to treatment of textile dye effluents, 5th Textile engineering national conference, Teheran, (۲۱-۲۳) Ordibehesht ۱۳۸۳.
2. A. Akbari, S. Desclaux, J.C. Remigy, P. Aptel, Treatment of textile dye effluents using a new photografted nanofiltration membrane, Communication oral, International Congress On Membrane and Membrane Processes (ICOM), Toulouse-France, July 7-12, 2002.
3. A. Akbari, S. Biquet, S. Desclaux, J.C. Remigy, P. Aptel, Preparation and characterization of a new photografted nanofiltration membrane; Application to treatment of textile effluents, International Congress On Membrane and Membrane Processes (ICOM), Toulouse-France, July 7-12, 2002.
4. A. Akbari, S. Biquet, S. Desclaux, J.C. Remigy, P. Aptel, New photografted nanofiltration membranes, International Congress On Membrane and Membrane Processes (ICOM), Toulouse-France, July 7-12, 2002.
5. A. Akbari, M. Homayounfal, M. Arami, M. Amini, Preparation and characterization of polysulfone Nano structure membranes via photografted polymerization, ICNN2008, Tabriz, 28-30 Oct. 2008.
6. M. Amini, M. Arami, M. Homayounfal, A. Akbari, Treatment of acid dyes textile effluents by modified ultrafiltration membrane, CIRAT-3, Sousse, Tunisia, 2008.
7. A. Akbari, A. Yunessnia Lehi, M. Bojaran, V. Jabbari, Consideration of temperature effects on the morphology of PVDF membrane by SEM and AFM, 9th international seminar on polymer science and technology, Teheran, 17-21 October 2009.
8. A. Akbari, A. Yunessnia Lehi, M. Bojaran, V. Jabbari, The influence of inorganic nanoparticle on the PVDF polymeric membrane: effects on the morphology and crystallinity, 9th international seminar on polymer science and technology, Teheran, 17-21 October 2009.
9. A. Akbari, S. Biquet, J.C. Remigy, P. Aptel, Application de la nanofiltration au traitement des effluents de teinturerie, 8^{me} Congr^s Francophone de G^{nie} des Proc^ds, In R^{cents} Progr^s en G^{nie} Chimique; Eau, Air, Sols, Environnement, Nancy - France, 17-19 Octobre, 2001.
10. A. Akbari, M. Homayoonfal, Separation of ions from water by nanofiltration membrane based polysulfone prepared via photografting Acid acrylic, IChEC12, Tabriz, 1387.
11. M. Arami, A. Akbari, M. Amini, M. Homayounfal, N. M. Mahmoodi, Control of polysulfone ultrafiltration membrane characterization by changing molecular weight of additives and UV irradiation parameters, IChEC12, Tabriz, 1387.
12. A. Akbari, M. Homayounfal, Preparation of polysulfone nano-structured membrane for sulphate ions removal from water, First international conference on Advances in wastewater treatment and, University of Tehran, Tehran, Iran, 10-12 November 2009.

Papers in Journals

1. محمودیان, مهدی, احمد اکبری, زفرقندی, منصوره مهدوی, Polystyrene nanofibers containing ZIF-8 and ZnO nanoparticles as an effective fibrous respiratory mask filter for rejection of air pollutions, polymer bulletin, Vol. 1, pp. 1, 2024 08 07, JCR.
2. محمودیان, مهدی, احمد اکبری, زفرقندی, منصوره مهدوی, Polystyrene nanofibers containing ZIF-8 and ZnO nanoparticles as an effective fibrous respiratory mask filter for rejection of air pollutions, polymer bulletin, Vol. 1, pp. 1, 2024 08 07, JCR.
3. احمد اکبری, مسعود همدانیان, مجید بوجاران, آرش یونس نیالهی, وحید جباری, The Role of Solution and Coagulation Temperatures in Crystalline Structure, Morphology, Roughness, Pore Diameter Distribution, and Separation Properties of Nanoporous Membranes Fabricated Via Phase Inversion, Separation Science and Technology, Vol. 47, pp. 1866, 2012 02 09, SCOPUS, JCR.
4. احمد اکبری, فرهاد جوکار ششده, وحید جباری, Novel nanofibrous membrane fabricated via electrospinning of wastage fuzzes of mechanized carpet used for dye removal of the carpet dyeing wastewater, Journal

- of Environmental Science and Health, Part A, Vol. 47, pp. 847, 2011 06 24, SCOPUS, JCR.
5. وحید جباری, احمد اکبری, مسعود همدانیان, Electrospun Titanium Dioxide Nanofibers: Fabrication, Properties and Its Application in Photo-Oxidative Degradation of Methyl Orange (MO), *Fibers and Polymers*, Vol. 12, pp. 880, 2011 06 15, SCOPUS, JCR.
 6. وحید جباری, احمد اکبری, مریم همایونفال فینی, Effect of solution chemistry and operating conditions on the nanofiltration of acid dyes by a nanocomposite membrane, *Water Science & Technology*, Vol. 64, pp. 2404, 2011 03 14, SCOPUS, JCR.
 7. مریم همایونفال فینی, احمد اکبری, محمد رضا مهرنیا, Preparation of polysulfone nanofiltration membranes by UV-assisted grafting polymerization for water softening, desalination, Vol. 263, pp. 217, 2010 06 24, JCR.
 8. احمد اکبری, مریم همایونفال فینی, محمد وحید جباری, Synthesis and characterization of composite polysulfone membranes for desalination in nanofiltration technique, *Water Science & Technology*, Vol. 62, pp. 2655, 2010 01 15, SCOPUS, JCR.
 9. احمد اکبری, ساندربین دسکلو, جان کریستوف روش, جان کریستوف ریمیژی, Application of nanofiltration hollow fibre membranes, developed by photografting, to treatment of anionic dye solutions, *Journal of Membrane Science*, Vol. 297, pp. 243, 2007 04 01, JCR.
 10. احمد اکبری, ساندربین دسکلو, جان کریستوف روش, جان کریستوف ریمیژی, Application of nanofiltration hollow fibre membranes, developed by photografting, to treatment of anionic dye solutions, *Journal of Membrane Science*, Vol. 297, pp. 243, 2007 04 01, JCR.
 11. احمد اکبری, ساندربین دسکلو, جان کریستوف روش, فیلیپ اپتل, جان کریستوف ریمیژی, New UV-photografted nanofiltration membranes for the treatment of colored textile dye effluents, *Journal of Membrane Science*, Vol. 286, pp. 342, 2006 10 17, JCR.
 12. تی گوما بیلینگو, احمد اکبری, مایکل جان کلیفتون, جان کریستوف ریمیژی, Numerical simulation of a UV photografting process for hollow-fiber membranes, *Journal of Membrane Science*, Vol. 278, pp. 308, 2005 12 15, JCR.
 13. سی کوسرند, ساندربین رواکس, احمد اکبری, پیپر امار, Improvement of a method for the characterization of ultrafiltration membranes by measurements of tracers retention, *Journal of Membrane Science*, Vol. 238, pp. 177, 2004 04 04, JCR.
 14. احمد اکبری, ساندربین دسکلو, کریستوف ریمیژی, فیلیپ اپتل, Treatment of textile dye effluents using a new nanofiltration membrane, desalination, Vol. 149, pp. 101, 2002 03 11, JCR.
 15. احمد اکبری, ساندربین دسکلو, کریستوف ریمیژی, فیلیپ اپتل, Treatment of textile dye effluents using a new nanofiltration membrane, desalination, Vol. 149, pp. 101, 2002 03 11, JCR.
 16. A. Akbari, M. Hamadani, M. Bojaran, A. YunessniaLehi, and V. Jabbari, The Role of Solution and Coagulation Temperatures in Crystalline Structure, Morphology, Roughness, Pore Diameter Distribution, and Separation Properties of Nanoporous Membranes Fabricated Via Phase Inversion, *Separation Science and Technology*, Vol. 47, pp. 1866–1873, 2012.
 17. Masood Hamadani, Ahmad Akbari, Vahid Jabbari, Electrospun Titanium Dioxide Nanofibers: Fabrication, Properties and Its Application in Photo-Oxidative Degradation of Methyl Orange (MO), *Fibers and Polymers*, Vol. 12, pp. 880-885, 2011.
 18. Masoud Amini, Mokhtar Arami, Niyaz Mohammad Mahmoodi, Ahmad Akbari, Dye removal from colored textile wastewater using acrylic grafted nanomembrane, *Desalination*, Vol. 267, pp. 107–113, 2011.
 19. A. Akbari, M. Homayonfal and V. Jabbari, Synthesis and characterization of composite polysulfone membranes for desalination in nanofiltration technique, *Water Science and Technology (WST)*, Vol. 62, pp. 2655-2663, 2010.
 20. Maryam Homayoonfal, Ahmad Akbari, Mohammad Reza Mehrnia, Preparation of polysulfone nanofiltration membranes by UV-assisted grafting polymerization for water softening, *Desalination*, Vol. 263, pp. 217-225, 2010.
 21. M. Homayoonfal, A. Akbari, Preparation of polysulfone nano-structured membrane for sulphate ions removal from water, *J. Environ. Health. Sci. Eng.*, Vol. 7, pp. 277-282, 2010.
 22. M. Amini, M. Homayoonfal, M. Arami, A. Akbari, Modification and characterization of prepared

- polysulfone ultrafiltration membranes via photografted polymerization: Effect of different additives, *Desalination and Water Treatment*, Vol. 9, pp. 43-48, 2009.
23. A. Akbari, M. Homayoonfal, Fabrication of Nanofiltration Membrane from Polysulfone Ultrafiltration Membrane Via Photo Polymerization, *International Journal of Nanoscience and Nanotechnology (IJNN)*, Vol. 5, pp. 43-51, 2009.
 24. M. Amini, M. Arami, A. Akbari, N. M. Mahmoodi, Preparation of Nanofiltration Membranes via UV Photo-grafting Technique for Separation of Acid Dyes at Different pH Values, *Color.Sci. Tech*, Vol. 2, pp. 237-247, 2008.
 25. A. Akbari, S. Desclaux, J.C. Rouch, J.C. Remigy, Application of nanofiltration hollow fibre membranes, developed by photografting, to treatment of anionic dye solutions, *J. Membr. Sci*, Vol. 297, pp. 243-252, 2007.
 26. A. Akbari, S. Desclaux, J.C. Rouch, J.C. Remigy, P. Aptel, New UV-photografted nanofiltration membranes for the treatment of colored textile dye effluents, *J. Membr. Sci*, Vol. 286, pp. 342-350, 2006.
 27. T. Goma, Bilongo, A. Akbari, M.J. Clifton and J. , C. Remigy, Numerical simulation of a UV photografting process for hollow-fiber membranes, *J. Membr. Sci*, pp. 308-317, 2006.
 28. C. Causserand, S. Rouaix, A. Akbari and P. Aimar, Improvement of a method for the characterization of ultrafiltration membranes by measurements of tracers retention, *J. Membr. Sci*, pp. 177-190, 2004.
 29. A. Akbari, J.C. Remigy, P. Aptel, Treatment of textile dye effluents using a polyamide based nanofiltration membrane, *Chem. Eng. Prog*, pp. 601-609, 2002/08/20.
 30. A. Akbari, S. Desclaux, J.C. Remigy, P. Aptel, Treatment of textile dye effluents using a new photografted nanofiltration membrane, *Desalination*, Vol. 149, pp. 101-107, 2002.