

Curriculum Vitae

Ahmad RAMAZANI S.A., Ph.D., Polymer Engineering, Professor
Department of Chemical & Petroleum Engineering,
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Date and place of birth: 1964, Iran

Nationality: Iranian

Civil Status: Married

Educational background

Ph.D., Chemical Engineering (Thesis subject: Theoretical Modeling and Experimental Investigation of Short Fiber Polymeric Suspension Rheological Behavior), **Laval University, Canada (1999).**

Master, Chemical Engineering (Polymer Engineering) (Thesis subject: Preparation of Epoxy-Novolac resin and Investigation of Physical-Mechanical properties of resin before and after Curing), Amir-Kabir University of Technology, Tehran, Iran (1991)

B.Sc., Chemical Engineering (Polymer Engineering), **Amir-Kabir University of Technology (1988)**

Receiving scholarship for M.Sc. and Ph.D. study from Iranian Ministry of Science, Research and Technology after being among top students in National Exam.

Languages

Native language: Persian (Farsi)

Other Languages: Fluent in **English and French**

Experiments and Positions

Professor in the Department of Chemical and Petroleum Engineering (2011-)

Associate Professor in the Department of Chemical and Petroleum Engineering (2004- 2011)

Assistant Professor in the Department of Chemical and Petroleum Engineering (1999-2004)

Advisor of (Nano Scale division) Tech-Market Services Corridor (2011-)

Member of the specialist Advisory Working Group for Supreme Supervision on Catalyst Obligation (2012-2015) (عضو کارگروه تخصصی مشاور جهت نظارت عالی بر اجرای سند کاتالیست)

Advisor of *Iran's Technology and Entrepreneurship* (Nano Scale division) *Company (Kefa Co.)* (2009-2011)

Advisor of Iranian Petrochemicals Research and Technology Co. (1999-2001)

Editor of Journal of American Journal of Polymer Science

Guest editor of Macromolecular Symposia Journal, Volume 274.
 Head of Biomedical Engineering Group, (2002-2003)
 Head of Polymer Engineering Group, (2003- 2008)
 Researcher at Amir-Kabir University of Technology (1990-1992)
Thesis Director of more than 80 master and Ph.D. students and more than 100 undergraduate students.
 Fonder and head of the center of excellence on polyolefins (2004-).
 Fonder of center of excellence on chemical and polymer process modeling and control (2007)
 Member of research center on nanocomposites in Sharif University of technology (2008-)
 Member of center of excellence on nanocomposites in Amir Kabir University of Technology (2010-)
 Member of Research Center on Biomedical Engineering in Sharif University of technology (2000-)
 Invited Professor in Ecole Polytechnique de Montreal, Canada, Summer, 2009.

Scientific Committee Memberships

Executive Chairman of the 14th Iranian Chemical Engineering Conference (ICHEC14)
 Executive Chairman of the 8th International Seminar on Polymer Science and Engineering, ISPST2007
 Executive Chairman of the 8th International Seminar on Polymer Science and Engineering, IChEC2012
 Member of Organizing and Scientific Committees of the 13th Iranian Conference on Biomedical Engineering
 Member of Organizing Committee of ISPST2005 and ISPST2009
 Member of Scientific Committees of ICHEC11 (2006), ICHE10 (2005) ICHE9 (2005), IChEC2009, IChEC2010, IChEC2011, ISPST2007, ISPST2009, and PPS21
 Permanent Member of Iranian Chemical and Iranian Polymer Engineering Associations
 Invited keynote speaker in several international conferences
 Referee of more than 30 national and international journals

Fields of Research

- 1) Polymer Melt, polymer solutions, and multi-components fluid rheology (Experimental and Modeling Aspects: Transport and Constitutive Equations)
- 2) Polymer Blends and Polymer Nanocomposite (Modeling and Experimental Approaches in Fields of Preparation and Investigation of Properties)
- 3) Applications of Structured fluids in Enhanced Oil Recovery (EOR) and Drag Reduction Modeling, Simulation and Experimental Approaches)
- 4) Polymer Reactions Engineering (Modeling, Simulation and Experimental Approaches)
- 5) Biopolymers, Biotransport and Drug Delivery Control Release (Modeling, Simulation and Experimental Approach)
- 6) Polymer Processing (Modeling, Simulation and Experimental Approaches)

COURSES TAUGHT

1. Rheology of Polymers (Graduate Course, No. 26-583, 3 Credits)
2. Numerical Methods for Chemical Engineering Students (Undergraduate Course, (26-323, 2 Credits)
3. Heat Transfer 1 (Undergraduate Course, 26-925, 3 Credits)
4. Applied Heat Transfer (Undergraduate Course, No. 26-998)
5. Introduction to Polymer Rheology and Processing (Undergraduate Course, 26-997, 3 Credits)
6. Polymer Processing (Graduate Course, No. 26-697, 3 Credits)
7. Principal of Polymer Science and Engineering (Graduate Course, No. 26-997, 3 Credits, for Biomedical Students)
8. Mechanical Properties of Polymers (Graduate Course, No. 26-273, 3 Credits)
9. Polymer Reaction Engineering (Graduate Course, No. 26-715, 3 Credits)
10. Multi-component Polymer systems (Undergraduate Course, No. 26-670, 3 Credits)
11. Polymer Engineering Laboratory (Undergraduate Course, No. 26-701, 2 Credits)
12. Introduction to polymer Science and Engineering (Under Graduate; No. 26-705)
13. Advanced Numerical Mathematics, (Graduate Course, No. 26-267, 3 Credits)
14. Adhesion in Biological Systems.
15. Nano Technology II (Nano Composite Part)
16. English for Petroleum Engineering Students

Publication List of Professor Ahmad Ramazani S.A.

- 1) Rheological modelling of short fiber thermoplastic composites, **A. Ramazani**, A. Ait-Kadi and M. Grmela, J. Non-Newtonian Fluid Mech., 73(1997) 241-260.
- 2) "Volume Preserving" rheological models for polymer and solutions using the GENERIC Formalism. A. Ait-Kadi, **A. Ramazani**, M. Grmela and C. Zhou, j. Rheol., 42 (1999) 51-72.
- 3) Rheology of fiber suspensions in viscoelastic media: Experiments and model Predictions. **A. Ramazai**, A. Ait-Kadi and M. Grmela, Journal of Rheology, Volume 45, No. 4, July-August 2001.
- 4) "Predictions of some Internal Microstructure Model with different Mobility Tensors", Polymer Processing Society 13th Annual Meeting (PPS13), **A. Ramazai**, A. Ait-Kadi and M. Grmela, New York, June 10-13, 1997.
- 5) "Rheological Modelling of Short Fiber Thermoplastic Composites, **A. Ramazani**, A. Ait-Kadi and M. Grmela, XIIth international congress on rheology, August 18-23, 1996, Quebec, Canada.
- 6) "An Anisotropic Internal Strain Rheological Model for Polymer Melts and Concentrated Solutions", A. Ait-Kadi, C. Zhou , **A. Ramazani**, and M. Grmela., SES'95 (Society of Engineering Science 32nd Annual Technical Meeting). October 29-November 2, 1995, New Orleans, LA

- 7) "Rheological Behavior of Fiber Suspensions in Viscoelastic Matrices: Experiments and Model Predictions". A. Ait-Kadi , P. Marchal, **A. Ramazani**, A. Mongrue, L. Choplin and M. Grmela . First European Congress on Chemical Engineering, May 4-7, 1997
- 8) "Étude théorique et expérimentale de suspensions de fibres dans les fluides viscoélastiques modèles", **A. Ramazani**, A. Ait-Kadi and M. Grmela 66th Congress of Acfas, Laval University may 11-15, 1998.
- 9) "Experimental Study and Model Predications of Rheological Behavior of Short Fiber Thermoplastic Composites", **A. Ramazani**, A. Ait-Kadi and M. Grmela, The 57th Annual Technical Conference of the Society of Plastics Engineers (ANTEC), May 2-May 6, 1999, New York, USA
- 10) Experimental Study and Model Predictions of Rheological Behavior of Fiber Suspensions in Viscoelastic Media, A. Ramazani S.A., A. Ait-Kadi, M. Grmela. 50th Canadian Chemical Engineering Conference. Montreal, Canada, October, 15-18, 2000.
- 11) A Theoretical Model for Predictions of Mechanical Behavior of Particulate Composites, **A. Ramazani**, M. Forounchi, M. Ebrahimi, and R. Khosrokhavar. Iranian Seminar on Polymer Science and Technology (Fifth), Tehran, Iran, September, 12-14, 2000.
- 12) A theoretical Model for Prediction of Mechanical Behavior of Particulate Composites and Its Evaluation with Experimental Data, 17th Annual Meeting of Polymer Processing Society, **A. Ramazani**, M. Ebrahimi, May 21-23, 2001, Canada.
- 13) Development of Volume Preserving Rheological Models for Miscible polymer Blends Using Poisson Bracket Formalism, **A. Ramazani**, H. Eslami, A. Ait-kadi, H.A. Khonakdar, and M. Grmela, 18th Annual Meeting of Polymer Processing Society, Guimaraes, Portugal, June 16-20, 2002.
- 14) Effects of Palsticizer and Doping Conditions on Polyethylene oxide Electrolyte Conductivity, **A. RAMAZANI S.A.**, V. Kossravi, 19th Annual Meeting of Polymer Processing Society, Melbourne, Australia. July, 7-10, 2003.
- 15) Manufacturing and Study of Polymeric Membranes for O2/ N2 Separation, **A. RAMAZANI S.A.**, A. Mousavi, R. Rosta-Azad, Melbourne, 19th Annual Meeting of Polymer Processing Society, Melbourne, Australia. July, 7-10, 2003
- 16) Rheological Modeling of Short Fiber Filled Viscoelastic Fluids, **A Ramazani Saadat Abadi**, A., 6th Iranian Seminar on Polymer Science and Technology, May 12-15, 2003, Tehran, Iran.
- 17) Diffusional Release of a Solute from a Cylindrical Polymer Reservoir into a Finite External Volume with a Boundary Layer Resistance, Nematollahzadeh, **A, Ramazani-Saadat Abadi**, A., 6th Iranian Seminar on Polymer Science and Technology, May 12-15, 2003, Tehran, Iran.

- 18) Comparison of the Elastic Modulus of a Filled Epoxy Resin with Theoretical Predictions, **Ramazani-Saadat Abadi, A.**, Esmaili, H. 6th Iranian Seminar on Polymer Science and Technology, May 12-15, 2003, Tehran, Iran.
- 19) Radical Chlorination of HDPE/LDPE in Atmospheric Pressure, Moradi, **A.**, **Ramazani-Saadat Abadi**, Shahrokhi, M., 6th Iranian Seminar on Polymer Science and Technology, May 12-15, 2003, Tehran, Iran.
- 20) Preparation of Rubber Toughened Nylons and Study of Their Properties, **Ramazani-Saadat Abadi, A.**, Bordbar, H., Yousefi, A.A, 6th Iranian Seminar on Polymer Science and Technology, May 12-15, 2003, Tehran, Iran.
- 21) Rheological Behavior of LDPE/EVA Blend: Experimentals and Model Predictions, Eslami, H., **Ramazani-Saadat Abadi, A.**, Khonakdar, H.A., 6th Iranian Seminar on Polymer Science and Technology, May 12-15, 2003, Tehran, Iran.
- 22) The Investigation of Sensitivity of a Volume Preserving Rheological Model for Polymer Blends to Its Parameters, **Ramazani-Saadat Abadi, A.**, Eslami, H., Khonakdar, H.A., 6th Iranian Seminar on Polymer Science and Technology, 2003, May 12-15, Tehran, Iran.
- 23) Design and Manufacturing of a Transtibial Lower Limb Prosthesis by The Polymer Fiber Composite Materials, **Ramazani-Saadat Abadi, A.**, Khashefi, S.M.R., Abdekhodai, M.J., Aghajan, H., 6th Iranian Seminar on Polymer Science and Technology, May 12-15, 2003, Tehran, Iran.
- 24) “Volume-Preserving” Conformational Rheological Models for Multi-Component Miscible Polymer Blends Using the GENERIC Formalism, Hassan Eslami, **Ahmad Ramazani**, Hossein Ali Khonakdar, *Macromolecule: Theory and Simulation*, 2003, 12, 524–530
- 25) Effects of Measurement Conditions and Film Thickness on Gas Permeability and Diffusion Coefficient of Low-Density Polyethylene Films, **A. Ramazani***, M. Gholizadeh, A.A. Safekordi, 14th Iranian Chemistry & Chemical Engineering Congress, P. 786, 17-19 February 2004, Tehran, Iran
- 26) Diffusional Release of a drug from a Cylindrical Polymer Reservoir into a Finite External Volume with a Boundary Layer Resistance, Nematollahzadeh, **A.**, **Ramazani-Saadat Abadi, A.**, 1st Iranian National Conference on Novel Drug Deelivery Systems, February, 26-27, 2003, Tehran, Iran.
- 27) O₂/N₂ Transport Through EVA Membranes (Effect of Temperature), **A. Ramazani S.A.**, A. Amini, M.M. Ghasemian, S.A. Mousavi S., 14th Iranian Chemistry & Chemical Engineering Congress, 17-19 February 2004, Tehran, Iran, P.372.
- 28) Effects of Vacuum Annealing Conditions on Physical Mechanical Properties of Thermoplastic Polymer Parts, **A. Ramazani S.A.**, S.A. Mousavi S., 40th International Symposium on Macromolecules (*MACRO2004*), July, 4-9, 2004, Paris-France.

- 29) Study of Chlorination Reaction of Polyethylene Using Instrumental Analyzing Techniques, A. Moradi, **A. Ramazani S.A.**, M Shahrokhi, 40th International Symposium on Macromolecules (MACRO2004), July, 4-9, 2004, Paris-France.
- 30) *Preparation of EVA Copolymer Membrane for Air Separation*, Seyyed Abbas Mousavi, Reza Roostaazad, **Ahmad Ramazani**, 40th International Symposium on Macromolecules (MACRO2004), July, 4-9, 2004, Paris-France.
- 31) EVA Copolymer Membrane for Air Separation, **A. Ramazani**, S.A. Mousavi S., Reza Roostaazad, 20th Annual Meeting of Polymer Processing Society (PPS20), June20-24, 2004, Akron, USA.
- 32) Effect of Nd:YAG Laser Radiation on the Surface Properties of Polycarbonate Films, **A. Ramazani S.A.**, Mousavi S., R. Motafaregheh T., M. Ebne-Alian, 20th Annual Meeting of Polymer Processing Society (PPS20), June 20-24, 2004, Akron, USA.
- 33) Comparison between FENE-P and Volume Preserving Conformational Rheological Models, H. Eslamia, **A. Ramazani** and H. A. Khonakdar, 40th International Symposium on Macromolecules (MACRO2004), July, 4-9, 2004, Paris-France.
- 34) Predictions of Some Internal Microstructural Models for Polymer Melts and Solutions in Shear and Elongational Flows, H. Eslamia, A. Ramazani and H. A. Khonakdar, *Macromolecule: Theory Simulation*, 2004, 13, 655–664.
- 35) The Effect of Laser Radiation on the Surface Properties of Polycarbonate Films, A. Ramazani S.A., S.A. Mousavi S., A. A. Poorfatollaha, S. Sareh, F. Soltaanmoradi, K. Silaakhoory, 10th Congress of Asian Pacific Confederation of Chemical Engineering (APCChE), Kitakyushu, Japan , 17 - 21 October 2004,.
- 36) Photo chlorination of Polyethylene in Atmospheric Pressure, A. Ramazani, M Shahrokhi, A Moradi, 10th Congress of Asian Pacific Confederation of Chemical Engineering (APCChE), Kitakyushu, Japan , 17 - 21 October 2004,
- 37) O₂/N₂ Transport Through EVA Membranes (Effect of Temperature), Ahmad Ramazani S.A., Amir Amini, Mohamad M. Ghasemian, and Syeed Abbas Mousavi S. 10th Congress of Asian Pacific Confederation of Chemical Engineering (APCChE), Kitakyushu, Japan , 17 - 21 October 2004.
- 38) Effects of Measurement Conditions and Film Thickness on Permeation Properties of Low Density Polyethylene Films, A. RAMAZANI S.A.*, and GOLYZADEH M., 10th Congress of Asian Pacific Confederation of Chemical Engineering (APCChE), Kitakyushu, Japan , 17 - 21 October 2004.
- 39) Investigation of vacuum annealing effects on physical-mechanical properties of thermoplastic parts, A. Ramazani, S.A. and S. A. Mousavi S, *J. Materials & Design*, Volume 26, Issue 1, February 2005, Pages 89-93
- 40) VLE Study for Pure Associating and Non-associating Compounds Using a New Simplified SAFT EOS, Assadi-Malekshah V., Taghikhani V., Ramazani

S.A., 54th Canadian Chemical Engineering Conference, Calgary, Alberta, Canada, October 3 - 6, 2004.

- 41) Application of A New Siplified SAFT to VLE Study of Associating and Non-Associating Fluids, Assadi-Malekshah V., Taghikhani V., **A. Ramazani S.A.**, Fluid Phase Equilibria, 233 (2005)110-121.
- 42) Study of phase behavior for pure polymer melts and binary polymer solutions using the GV-SSAFT equation of sate, Assadi-Malekshah V., Taghikhani V., **A. Ramazani S.A.**, 7th World Congress of Chemical Engineering, July, 10-14, 2005. Glasgow.
- 43) Preparation of Rubber Toughened Nylons with EPDM-g-M and SEBS-g-M and investigation of Their Properties, **Ahmad Ramazani S.A**, Hossein Bordbar, Ali-Akbr Yousefi, 21th Annual Meeting of Polymer Processing Society (PPS21), June, 19-23, 2005, Leipzig, Germany
- 44) Simultaneous Optimization of Cost and Properties for a Conveyer Compound Using Taguchi Method with OEC Method, **Ahmad RAMAZANI S.A.**, 21th Annual Meeting of Polymer Processing Society (PPS21), June, 19-23, 2005. Leipzig, Germany
- 45) Production of Rubbery Materials from Recycled Thermoplastic by Chemical Modifications as a New Method for Thermoplastic Recycling, Ali Moradi, **Ahmad Ramazani S.A**, and Mohamad Shahrokhi , 21th Annual Meeting of Polymer Processing Society (PPS21), June, 19-23, 2005. Leipzig, Germany
- 46) Effects of Clay treatment on Physical-Mechanical properties of PP/Clay Nanocomposites and Ehsan Barjasteh, **Ahmad Ramazani S.A**, Massoud Frounchi, 21th Annual Meeting of Polymer Processing Society (PPS21), June, 19-23, 2005. Leipzig, Germany.
- 47) Chlorination of Polyethylene and Molecular Structure Characterization of Reaction Products, Ali Moradi, Ahmad Ramazani S.A, and Mohamad Shahrokhi, Polymer Journal, Vol. 37, No. 9, pp 1-8 (2005).
- 48) Manufacturing and Investigation of Mechanical Properties of Thermoplastic Elastomer Nanocomposites of PP Copolymer with MAg-SEBS/nanoclay, E. Barjasteh, **Ahmad Ramazani S.A**, R. Dermanaki Farahani, European Polymer Congress, June 27 -July 1, 2005, Moscow
- 49) Preparation and Investigation of Physical and Mechanical Properties Of The Rubber Toughened Polyamid 6,6/Nanoclay, R. Dermanaki Farahani, **Ahmad Ramazani S.A**, E. Barjasteh, European Polymer Congress, June 27 -July 1, 2005, Moscow
- 50) “Particle Growth and Morphology Modeling in Homo and Copolymerization Of Polypropylene and Ethylene Using Heterogeneous Catalysts” **Ahmad Ramazani S.A**, Ali Dashti, European Polymer Congress, June 27 -July 1, 2005, Moscow
- 51) Development of a Mathematical Model for Predicting Particle Size Distribution And Optimizing Performance of a Fluidized Bed Polypropylene

Reactor, **Ahmad Ramazani S.A.**, Mehdi Keshtkar, Seyyed Mohamad Tauseef, European Polymer Congress, June 27 -July 1, 2005, Moscow

- 52) Impact strength of denture polymethylmethacrylate reinforced with a modified continuous glass fiber, *Ali Nematollahzadeh a, Ahmad Ramazani S.A., Sima Shahabi*, 21th Annual Meeting of Polymer Processing Society (PPS21), June, 19-23, 2005. Leipzig, Germany.
- 53) The Effect of Nd:YAG Laser Irradiation on the Adhesion Property of Dental Polymethylmetacrylate to Carbon Fiber, *A. Nematollahzadeh (a), S. A. Mousavi S., R. M. Tilaki, A. Ramazani S.A.*, 21th Annual Meeting of Polymer Processing Society (PPS21), June, 19-23, 2005. Leipzig, Germany.
- 54) Preparation of EVA Nano filtration membrane by thermal-wet phase inversion process, *M. Sadeghi, S. A. Mousavi, M.Y. Motamed Hashemi, A. Ramazani S.A.*, 21th Annual Meeting of Polymer Processing Society (PPS21), June, 19-23, 2005. Leipzig, Germany
- 55) Effect of Chemical Permeation Enhancer on the Mechanical Properties of Pressure Sensitive Adhesives Used in Transdermal Drug in Adhesive Systems, *H. Savoji, A. Ramazani S.A.*, A. Mehdizadeh, 4th International Seminar on Polymer Science and Technology (ISPST2005), Tehran/Iran, September 27-29, 2005.
- 56) Studying the Effects of Chlorine and Sulfur Contents on the Properties of Chlorosulfonated Polyethylene Rubber, *Ali Moradi, Ahmad Ramazani S.A, and Mohamad Shahrokhi*, 4th International Seminar on Polymer Science and Technology (ISPST2005), Tehran/Iran, September 27-29, 2005.
- 57) Effects of Diisocyanate and triol Quantity on Mechanical Properties of Polyurethane Composites, *H. Rahmanpour , A. Ramazani S.A., Gh. Alizadeh* , 4th International Seminar on Polymer Science and Technology (ISPST2005), Tehran/Iran, September 27-29, 2005.
- 58) Mathematical Modeling of Styrene Emulsion Polymerization, *S.N. Ashrafizadeh, A. Ramazani S.A., H. Farshidi*, 4th International Seminar on Polymer Science and Technology (ISPST2005), Tehran/Iran, September 27-29, 2005.
- 59) Manufacturing and Investigation of Polyvinyl Chloride Compounds for Medical Applications, *S. Minapour, A. Ramazani S.A, M.J. Abdekhodai* , 4th International Seminar on Polymer Science and Technology (ISPST2005), Tehran/Iran, September 27-29, 2005.
- 60) Melt Preparation of Rubber Toughened Nylon and Rubber Toughened Nylon Nano-Composite, *A. Ramazani S.A, R. Dermanaki Farahani, E. Barjasteh*, 4th International Seminar on Polymer Science and Technology (ISPST2005), Tehran/Iran, September 27-29, 2005
- 61) Particle Growth Modeling in Polymerization of Olefin Monomers Using Ziegler-Natta Catalysts, *A. RAMAZANI S.A.*, A. DASHTI, 4th International Seminar on Polymer Science and Technology (ISPST2005), Tehran/Iran, September 27-29, 2005.

- 62) Modeling of Suspension Polymerization of Vinyl Chloride Monomer, **A. RAMAZANI S.A.**, A. DASHTI, and M. AMJADI. Innovations in Chemical Reaction Engineering X (CRE X), August 28 to September 2, 2005, Zacatecas City, Zacatecas, Mexico.
- 63) Particle Growth Modeling in Polymerization of Olefin Monomers Using Ziegler-Natta Catalysts, **A. RAMAZANI S.A.**, A.; DASHTI A., Innovations in Chemical Reaction Engineering X (CRE X), August 28 to September 2, 2005, Zacatecas City, Zacatecas, Mexico.
- 64) Effects of pressure sensitive adhesives and chemical permeation enhancers on rat skin permeation of nitroglycerin, Houman Savoji, **A. Ramazani S.A.**, A. Mehdizadeh, 10th Iranian chemical engineering congress 2005, 16-18 Nov., 2005, Sistan & Baluchestan University, Iran.
- 65) Design and in-vitro evaluation of drug in adhesive nitroglycerin transdermal patches, Houman Savoji, **A. Ramazani S.A.**, A. Mehdizadeh, 12th. Iranian Conference on Biomedical Engineering, Sahand University of Technology, 16-18 Nov., 2005, Sahand University of Technology, Tabriz, Iran.
- 66) Design and In-Vitro Evaluation of New Iranian Drug-In-Adhesive Formulations Of Nitroglycerin Transdermal Patches, Houman Savoji, **A. Ramazani S.A.**, A. Mehdizadeh, 11th APCCHE Congress, 27-30 August 2006, Kuala Lumpur, Malaysia.
- 67) Comparison Between Two Versions of the SAFT EOS in the Study of the VLE Phase Behavior of Pure Polymer Melts and Binary Polymer Solutions, Assadi-Malekshah V., Taghikhani V., Ramazani S.A., Iranian Journal of Chemical Engineering (IjCHE), Volume 3, Number 2 (Spring), 2006
- 68) Application of a new simplified SAFT to VLE study of associating and non-associating fluids, Malekshah, V.A., Taghikhani, V., **Ramazani, A.S.A.**, Ghotbi, C., Fluid Phase Equilibria 233 (1), pp. 110-121
- 69) Correlation of Nitrogen Enriching Polymeric Membranes Performance Developed Through Various Methods With Their Morphological Structure Revealed Via SEM, S. A. Mousavi, R. Roosta Azad, **A. Ramazani S.A.**, M. Ahmadi Roshan, Iranian Polymer Journal, 15(4), 2006, pp. 291-298.
- 70) Morphological and Mechanical Investigation of Thermoplastic Elastomers of Nylon 6,6/SEBS-Mg, Roohollah Dermanaki Farahani, **Ahmad Ramazani S.A.**, 22th Annual Meeting of Polymer Processing Society (PPS-22), Yamagata, Japan, July, 2-6, 2006.
- 71) Investigation of Physical-Mechanical properties and Morphology of Thermoplastic-Elastomer of SEBS-Mg/Nylon6,6 Nanocomposites, Roohollah Dermanaki Farahani, **Ahmad Ramazani S.A.**, 22th Annual Meeting of Polymer Processing Society (PPS-22), Yamagata, Japan, July, 2-6, 2006.
- 72) Investigation of Rheological behavior and Morphology of PP/HDPE Blends, **Ahmad Ramazani S.A.**, Mehrzad Abdi Valami, 22th Annual Meeting of Polymer Processing Society (PPS-22), Yamagata, Japan, July, 2-6, 2006.

- 73) Application of the GV-SSAFT EOS study the VLE phase behaviour of pure polymer melts and binary polymer solutions. Taghikhani V., Asadi Malekshah V.1, **A. Ramazani S.A.**, 17th International Congress of Chemical and Process Engineering, 27-31 August 2006, Prague - Czech Republic.
- 74) Melt Preparation and Investigation of Properties of Toughened Polyamide66 with SEBS-g-MA and Their Nanocomposites, R. Dermanaki, **A. Ramazani S.A.**, Farahani, Journal of Materials and Design, 2008, 29, 1, P. 105-111.
- 75) Investigation of Flame Retardency and Physical-Mechanical Properties of Zinc Borate and Aluminum Hydroxide Propylene Composites, **A. Ramazani S.A.**, Arash Rahimi, Massoud Frounchi, Saeed Radman, Materials and Design 29 (5), pp. 1051-1056.
- 76) Synthesis and Characterization of Chemically Modified Chitosan Films, F. Ganji, M.J. Abdekhodaie, **A. Ramazani S.A.**, INTERNATIONAL SYMPOSIUM ON BIOPLASTICS AND NATURAL FIBER COMPOSITES (BioPlastics 2006) Montréal, Canada, September 27-29, 2006.
- 77) Gelation Time and Degradation Rate of Chitosan-Based Injectable Hydrogel, F. Ganji, M.J. Abdekhodahi, and **A. RAMAZANI S.A.**, Journal of Sol-Gel Science and Technology, v 42, n 1, April, 2007, p 47-53
- 78) Study of Morphological, rheological and mechanical properties of PP/HDPE blend compatibilized with poly (propylene-g-maleic anhydride), M. Abdi Valami, **A. Ramzani S.A.**, PP. 1-8, The 11th Iranian Chemical Engineering Congress (ICHEC11) November 28-30, 2006, Tehran, Iran
- 79) Transdermal Nitroglycerin Delivery using Acrylic Matrices: Design, Formulation, and In-Vitro Characterization, Houman Savoji, **A. Ramazani S.A.**, and A. Mehdizadeh, PP. 1-12, The 11th Iranian Chemical Engineering Congress (ICHEC11) November 28-30, 2006, Tehran, Iran.
- 80) Solution Preparation of Polyethylene-Vinyl Acetate/Organoclay Nanocomposites and Investigation of Their Barrier Properties, **Ramazani S.A.**, A. Ahmadian, A., and M. Shafiee, The Polymer Processing Society 23rd Annual Meeting, Salvador, Brazil - May 27 - 31, 2007
- 81) Melt preparation and investigation of properties of toughened polyamide with SEBS-g-MA and their nano-composites, **Ramazani S.A.** and R. Farahani, Materials & Design, Volume 29, Issue 1, 2008, Pages 105-111.
- 82) Preparation of Highly Rubber-toughened Nylons, Hossein Bordbar, Ali Akbar Yousefi, and **Ahmad Ramazani Saadatabadi**, Iranian Polymer Journal, 16 (7), 2007, 459-468
- 83) Gelation Time and Degradation Rate of Chitosan-Based Injectable Hydrogel, F. Ganji, M.J. Abdekhodaie, **A. Ramazani S.A.**, Journal of Sol-Gel Science and Technology, (2007) 42:47–53.

- 84) Modeling and simulation of olefin monomers polymerization at microstructure level, A. Dashti, and **A. Ramazani S.A.**, Iranian Journal of Chemistry and Chemical Engineering 27 (2), 2008, pp. 13-22
- 85) In-situ Preparation and characterization of polyolefin/clay nanocomposite, **A. Ramazani S.A.**, F. Tavakolzadeh, EPF - Slovenia-July-4-2007
- 86) Investigation of polypropylene molecular weight distribution: Effects of cocatalyst types", Oral presentation, A.Dashti, **A. Ramazani S.A.**, S. Resvantalab, F. Sadeghvandi The Eight International Seminar on Polymer Science and Technology (ISPST 2007), October,23-25, Sharif University of Technology, Tehran, Iran.
- 87) Experimental investigation on particle growth in slurry phase polymerization of propylene", Poster presentation, A.Dashti, **A. Ramazani S.A.**, The Eight International Seminar on Polymer Science and Technology (ISPST 2007), October,23-25, Sharif University of Technology, Tehran, Iran.
- 88) Characterization of Polyethylene/Montmorillonite nanocomposites prepared by In-situ Ziegler-Natta catalyst, Oral Presentation, **A. Ramazani S.A.**, H. Baniasadi and F. Tavakolzade, The Eight International Seminar on Polymer Science and Technology (ISPST 2007), October,23-25, Sharif University of Technology, Tehran, Iran.
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