



Hemayat Shekaari

Professor

College: Chemistry

Papers in Conferences

1. Abbas Mehrdad, Hemayat Shekaari , Parisa Parishanzolf ,Kinetic study of ultrasonic degradation of Methylene Blue in the presence H₂O₂ and ZnO nano particles ,9th Nanoscience and Nanotechnology Conference ,28 06 2013, ارزوئیه - ترکیه.
2. sabah karimi, hemayat shekari ,Viscosity and transfer volume of fructose in aqueous solutions of deep eutectic solvent based on choline chloride ,The16th Iranian National Congress of Chemical Engineering ,24 02 2019, تهران.
3. sabah karimi, hemayat shekari ,Thermodynamics properties of fructose in aqueous solutions of deep eutectic solvent based on choline chloride at different temperature ,The16th Iranian National Congress of Chemical Engineering ,19 02 2019, تهران.
4. Fariba Ghaffari Hashjin, Mohammed Taghi Zafarani ,& Moattar, Hemayat Shekaari ,Thermodynamic studies on the phase equilibria of ternary {choline chloride + sucrose + water} system at 298.15 K ,The16th Iranian National Congress of Chemical Engineering ,24 01 2019, تهران.
5. Fariba Ghaffari Hashjin, Mohammed Taghi Zafarani ,& Moattar, Hemayat Shekaari ,Vapor-liquid and liquid-liquid equilibrium for aqueous solutions containing of choline-based deep eutectic solvent and PPG400 at 298.15 K ,The16th Iranian National Congress of Chemical Engineering ,23 01 2019, تهران.
6. M. Mokhtarpour, H.Shekaari, M. T. Zafarani ,& Moattar, ,M. Mokhtarpour, H.Shekaari, M. T. Zafarani-Moattar ,21st ICS Conference of Physical Chemistry ,2018 09 08.
7. M. Mokhtarpour, H.Shekaari, M. T. Zafarani ,& Moattar ,Evaluation of UNIFAC model in predicting of naproxen solubility in some aqueous solutions of choline chloride based deep eutectic solvent ,21st ICS Conference of Physical Chemistry ,08 09 2018, تبریز.
8. Saeid Faraji, Hemayat Shekaari, Mohammed Taghi Zafarani ,& Moattar ,Measurements of density and speed of sound for nonaqueous solutions of ionic liquid, 1-ethyl-3-methylimidazolium ethyl sulfate in dilute region at various temperatures ,21st ICS Conference of Physical Chemistry ,08 09 2018, تبریز.
9. Saeid Faraji, Hemayat Shekaari, Mohammed Taghi Zafarani ,& Moattar ,Vapor-liquid equilibrium (VLE) for binary mixtures of 1-Propanol + Poly (Propylene Glycol) 400, 725 and 1025 ,21st ICS Conference of Physical Chemistry ,08 09 2018, تبریز.
10. Behrang Golmohammadia, Hemayat Shekaarib, Mohammed Taghi Zafarani ,& Moattar ,EFFECT OF LITHIUM BROMIDE SALT ON THERMODYNAMIC PROPERTIES OF AQUEOUS AND NONAQUEOUS SOLUTIONS OF 1 BUTYL-3 METHYLMIDAZOLIUM THIOCYNATE ,21st ICS Conference of Physical Chemistry ,08 09 2018, تهران.
11. Behrang Golmohammadia, Hemayat Shekaarib, Mohammed Taghi Zafarani ,& Moattar ,Iranian Physical Chemistry Conference University Of Mazandaran ,21 st ICS Conference of Physical Chemistry ,08 09 2018, تبریز.

12. Abbas Mehrdad, Hemayat Shekaari, Narmin Noorani ,Thermodynamic and transport properties of Lactic acid in the aqueous solutions of poly(ethylene glycol) ,20th Iranian Physical Chemistry Conference ,22 08 2017, اراک.
13. M. Mokhtarpour, H.Shekaari, M. T. Zafarani ,& Moattar, Volumetric studies of acetaminophen in aqueous solution of ChCl / malonic acid deep eutectic solvent at $T= (293.15\text{to } 318.15)$ K ,20th Iranian Physical Chemistry Conference ,22 08 2017, اراک.
14. M. Mokhtarpour, H.Shekaari, M. T. Zafarani ,& Moattar, Effect of choline chloride / malonic acid deep eutectic solvent on the acetaminophen Solubility at $T = (288.15 \text{ to } 318.15)$ K ,20th Iranian Physical Chemistry Conference ,22 08 2017, اراک.
15. S. Faraji, H. Shekaari, M. T. Zafarani ,& Moattar ,The solvent activity of binary mixtures 1-propanol +poly (ethylene glycol) dimethyl ether 250 and 500 at $T = 298.15$ K ,20th Iranian Physical Chemistry Conference ,22 08 2017, اراک.
16. S. Faraji, H. Shekaari, M. T. Zafarani ,& Moattar ,Density and speed of sound of poly (ethylene glycol) dimethyl ether 250 and 500 in 1-propanol mixtures at different temperatures ,20th Iranian Physical Chemistry Conference ,22 08 2017, اراک.
17. Abbas Mehrdad, Hemayat Shekaari, Narmin Noorani ,Cnductivity and dissociation behaviour of Lactic acid in the aqueous solutions of poly(ethylene glycol) at different temperatures ,20th Iranian Physical Chemistry Conference ,2017 08 22.
18. Abbas Mehrdad, Hemayat Shekaari, Narmin Noorani ,Conductometric study of Lactic acid in the aqueous solutions of poly(ethylene glycol) + ionic liquid ,20th Iranian Physical Chemistry Conference ,2017 08 12.
- ایرج احذزاده، فاطمه جعفری، حمایت شکاری، ساخت ابرخازن های نانوساختارکربن فعال اکسیدهای مس با مایع یونی - 1 آکتیل - 3 متیل ایمیدازولیوم کلرید به عنوان الکترولیت، ششمین کنفرانس بین المللی رویکردهای نوین در نگهداشت انرژی، تهران، 25 03 2016.
19. Mehrdad Niknam, Hemayat Shekaari, Mohammed Taghi Zafarani ,& Moattar ,Effect of the Cation Alkyl Chain Length on the Extraction Ability of Imidazolium Based Ionic Liquid to Elimination of Aromatic Sulfur Pollutants from Model Fuel Oil ,17th Physical Chemistry Conference ,23 10 2014, تهران.
20. S. N. Mirheydari, H. Shekaari, M. T. Zafarani ,& Moattar ,Solvation Properties of ASA at the Presences of the Ionic Liquid 1-Alkyl-3- methylimidazolium Bromide in Non-aqueous Solutions ,17th Physical Chemistry Conference ,23 10 2014, تهران.
21. S. N. Mirheydari, H. Shekaari, M. T. Zafarani ,& Moattar ,Molecular Interactions between ASA and the Ionic Liquid 1-Alkyl-3- methylimidazolium Bromide in Acetonitrile Solutions at Different Temperatures ,17 th Physical Chemistry Conference ,23 10 2014, تهران.
22. Mehrdad Niknam, Hemayat Shekaari, Mohammed Taghi Zafarani ,& Moattar ,Thermodynamic and transport properties of Lactic acid in the aqueous solutions of poly(ethylene glycol) ,20th Iranian Physical Chemistry Conference ,23 10 2014, تهران.
23. Mehrdad Niknam, Hemayat Shekaari, Mohammed Taghi Zafarani ,& Moattar ,Theoretical Investigation to Anion Structure Effect of Three Imidazolium Based Ionic Liquids on Their Capability for Extraction of Dibenzothiophene from Fuel Oils ,Iranian Physical Chemistry Conference University Of Mazandaran ,31 10 2013, بابلسر.
24. Nasrin Jabbarvand, Mehrdad Niknam, H.Shekaari, M. T. Zafarani ,& Moattar ,Characteristics of Volume Measurements for Hydrocarbon Systems Containing Thiophene in the Presence of [BMIM][PF₆] Ionic Liquid ,6th Iranian National Seminar of Chemistry and the Environment ,10 2013, تبریز 30.
25. Nasrin Jabbarvand, Mehrdad Niknam, H.Shekaari, M. T. Zafarani ,& Moattar ,The Effect of Ionic Liquids on the Volumetric Properties of Thiophene + Cyclohexane Solutions as a desulfurization model fuel oil ,6th Iranian National Seminar of Chemistry and the Environment ,30 10 2013, تبریز.
26. Nasrin Jabbarvand, Mehrdad Niknam, H.Shekaari, M. T. Zafarani ,& Moattar ,Influence of Model fuel nature on desulfurization of Hydrocarbons Using 1-Ethyl-3 methylimidazolium Ethylsulfate Ionic Liquid as an Extraction Solvent ,6th Iranian National Seminar of Chemistry and the Environment ,2013 10 30.

28. Mehrdad Niknam, Hemayat Shekaari, Mohammed Taghi Zafarani ,& Moattar ,Effect of Ionic Liquid ([1-Ethyl-3-methylimidazolium][ethylsulfate]) on the Volumetric Properties of Thiophene + n-Hexane System as a Model Fuel Mixture ,6th Iranian National Seminar of Chemistry and the Environment تبریز, 30 10 2013.,
29. Mehrdad Niknam, Morteza Vatanparast, Hemayat Shekaari ,Theoretical Study on Dibenzothiophene and 1-Methyl-3-alkylimidazolium Tetrafluoroborate Interactions with Different Alkyl Chain Length (C₂, C₄, C₆ and C₈) ,16th Iranian Physical Chemistry ,28 06 2013, بابلسر.
30. Hemayat Shekaari , Abbas Mehrdad , Parisa Parishanzolf ,Kinetic study of ultrasonic degradation of Methylene Blue in the presence H₂O₂ and ZnO nano particles ,9th Nanoscience and Nanotechnology Conference ,28 06 2013, ترکیه - ارزوئیه - ارزوئیه.

Papers in Journals

-
1. Hemayat Shekaari , Hamid Modarress , Naser Hadipour , Nia M Mohsen. SELF-ASSOCIATION STUDY OF METHANOL IN CC₁F BY FT-NMR SPECTROSCOPY.IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION B-ENGINEERING. ۱۱۰۰۴ ۱۱.
2. Akbarzadeh Gondoghdi, P. , Khorsandi, M. , Mokhtarpour, M. , Shekaari, H. , Hamishehkar, H. Effect of 2-hydroxyethylammonium carboxylate protic ionic liquids on the solubility and cytotoxicity of indomethacin,BMC Chemistry,2024 06 02.
3. Ghaffari, F. , Zafarani ,& Moattar, M.T. , Shekaari, H.,Harnessing the power of natural deep eutectic solvents (choline chloride/sucrose) and polypropylene glycol in the formation of aqueous biphasic systems and the application of these systems in drug extraction,RSC Advances,2024 05 23.
4. Bagheri, M. , Shekaari, H. , Mokhtarpour, M. , ... Sillanpää, M. , Nguyen, K.,Effect of novel surfactant protic ethanolamine based ionic liquids on the aqueous solubility and thermodynamic properties of acetaminophen,Journal of Molecular Liquids,2024 05 19.
5. Mokhtarpour, M. , Rostami, A. , Shekaari, H. , Zarghami, A. , Faraji, S.,Thermal properties of novel phase change materials based on protic ionic liquids containing ethanolamines and stearic acid for efficient thermal energy storage,Physical Chemistry Chemical Physics,2024 04 15.
6. Faraji, M. , Farzi, A. , Shekaari, H. , Rostami, A.,Performance analysis of phase change composites improved with graphene oxide nanoparticle for thermal energy storage,Journal of Energy Storage,2024 04 05.
7. Mirzaei ,& Saatlo, M. , Faraji, S. , Fakhraei, M. , ... Asghari, E. , Shekaari, H.,Phase change ionogel based choline formate as a green solid-state electrolyte with novel poly (aniline-co-4-nitroaniline) electrode material for flexible supercapacitors,Journal of Energy Storage,2024 03 03.
8. Bagheri, M. , Shekaari, H. , Ghaffari, F. , Mousavi, F.,Solute- solvent interactions between ethanolamine-based protic ionic liquids and lithium bromide in aqueous media using volumetric, acoustic and transport properties,Journal of Molecular Liquids,2024 03 01.
9. Bagheri, M. , Shekaari, H. , Mokhtarpour, M. , ... Faraji, S. , Golmohammadi, B.,Hydration behavior of gabapentin in the presence of surfactant ionic liquids, mono, di, and tri ethanolamine octanoate at different temperatures,Journal of Molecular Liquids,2024 03 01.
10. Bagheri, M. , Shekaari, H. , Mokhtarpour, M. , ... Faraji, S. , Golmohammadi, B.,Density and Speed of Sound for Dilute Binary and Ternary Mixtures of Gabapentin with Surfactant Ionic Liquids Based on Ethanolamine Laurate in Aqueous Solutions at Different Temperatures,Journal of Chemical and Engineering Data,2024 01 11.
11. Mirzaei ,& Saatlo, M. , Asghari, E. , Shekaari, H. , Pollet, B.G. , Vinodh, R,Performance of ethanolamine-based ionic liquids as novel green electrolytes for the electrochemical energy storage applications,Electrochimica Acta,2024 01 10.
12. Karimi, S. , Binglin, C. , Shekaari, H.,Optimizing 5-hydroxymethylfurfural production from biomass carbohydrates: ionic liquid-catalyzed pathways in deep eutectic solvents under sonication and thermal conditions,Reaction Chemistry and Engineering,2024 01 04.

13. Shekaari, H. , Ghaffari, F. , Mokhtarpour, M.,Volumetric and ultrasonic properties of thiamine hydrochloride drug in aqueous solutions of choline-based deep eutectic solvents at different temperatures,Chinese Journal of Chemical Engineering,2023 10-02.
14. Mousavi, F. , Shekaari, H. , Ghaffari, F. , Golmohammadi, B.,Effect of Lactate-Based Protic Ionic Liquids on the Thermodynamic and Transport Properties of Aqueous Lithium Bromide Solutions at Different Temperatures,Journal of Chemical and Engineering Data,2023 12 14.
15. Gharehzadeh Shirazi, S. , Shahabadi, S. , Shekaari, H. , Golmohammadi, B.,Thermodynamic Properties of Binary Mixtures Containing Ionic Liquid 1-Butyl-3-methylimidazolium Thiocyanate and Ethanolamines at Different Temperatures: Measurement and PC-SAFT Modeling,Journal of Chemical and Engineering Data,2023 12 14.
16. Mokhtarpour, M. , Rostami, A. , Shekaari, H. , Zarghami, A. , Faraji, S.,Novel protic ionic liquids-based phase change materials for high performance thermal energy storage systems,Scientific Reports,2023 12 10.
17. Zafarani ,& Moattar, M.T. , Shekaari, H. , Asadollahi, S.,Thermodynamic studies of solute–solute and solute–solvent interactions in ternary aqueous systems containing {betaine + PEGDME250} and {betaine + K₃PO₄ or K₂HPO₄} at 298.15 K,Scientific Reports,2023 12 07.
18. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mokhtarpour, M. , Faraji, S.,Solubility of hesperidin drug in aqueous biodegradable acidic choline chloride-based deep eutectic solvents,Scientific Reports,2023 12 04.
19. Akbarzadeh Gondoghdi, P. , Khorsandi, M. , Shekaari, H. , Mokhtarpour, M.,Solubility improvement of indomethacin by novel biodegradable eutectic solvents based on protic ionic liquid monoethanolamine carboxylate/ethylene glycol,Journal of Drug Delivery Science and Technology,2023 09 03.
20. Faraji, S. , Shekaari, H. , Zafarani ,& Moattar, M.T. , Mokhtarpour, M. , Asghari, E.,Thermal properties of phase change materials ionic liquid/fatty acids for thermal energy storage applications,Journal of Energy Storage,2023 09 01.
21. Taherinia, R. , Ghaffari, F. , Shekaari, H. , Mokhtarpour, M.,Thermophysical Properties of Acetaminophen in Aqueous Solutions of Protic Ionic Liquids Based on Ethanolamine at T = 288.15-318.15 K,Journal of Chemical and Engineering Data,2023 07 23.
22. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mokhtarpour, M. , Faraji, S.,Osmotic Coefficients of Gabapentin Drug in Aqueous Solutions of Deep Eutectic Solvents: Experimental Measurements and Thermodynamic Modeling,Journal of Chemical and Engineering Data,2023 07 13.
23. Niakan, M. , Masteri ,& Farahani, M. , Seidi, F. , Karimi, S. , Shekaari, H.,A multi-walled carbon nanotube-supported acidic ionic liquid catalyst for the conversion of biomass-derived saccharides to 5-hydroxymethylfurfural,Reaction Chemistry and Engineering,2023 07 02.
24. Behboudi, M.R. , Golmohammadi, B. , Shekaari, H. , Mokhtarpour, M.,Thermodynamic and spectroscopic studies of biotin supplement in aqueous solution of biocompatible choline amino acid ionic liquids,Journal of the Iranian Chemical Society,2023 06 23.
25. Abedi, R. , Shekaari, H. , Mokhtarpour, M. , Faraji, S.,Determination of osmotic coefficients and activity coefficients of calcium D-pantothenate, cefazolin sodium, and ceftriaxone sodium drugs in aqueous solutions of amino acids by using vapor pressure osmometry at 310.15 K,Journal of Chemical Thermodynamics,2023 05 20.
26. Abedi, R. , Shekaari, H. , Mokhtarpour, M. , Faraji, S.,Thermodynamic study of calcium D-pantothenate drug in the presence of aqueous solutions including some amino acids: Volumetric and compressibility properties,Journal of Chemical Thermodynamics,2023 04 23.
27. Karimi, S. , Niakan, M. , Shekaari, H.,Designing neoteric acidic deep eutectic solvents: an innovative, low-cost and environment-friendly strategy in the fast and facile production of 5-hydroxymethylfurfural,Reaction Chemistry and Engineering,2023 03 24.
28. Taherinia, R. , Shekaari, H. , Mokhtarpour, M.,Effect of mono, di, tri ethanolamine lactate ionic liquids on the solubility of acetaminophen: Experimental measurement and correlation,Journal of

Molecular Liquids,2023 03 03.

29. Khorsandi, M. , Nemati ,& Kande, E. , Hosseini, F. , ... Shekaari, H. , Mokhtarpour, M.,Effect of choline chloride based deep eutectic solvents on the aqueous solubility of 4-hydroxycoumarin drug: Measurement and correlation,Journal of Molecular Liquids,2022 12 15.
30. Shahabadi, A. , Golmohammadi, B. , Shekaari, H.,Hollow and porous TiO₂ in PVA matrix nanocomposite green synthesis using ionic liquid micelle for Congo red removal from contaminated water,Scientific Reports,2022 12 07.
31. Nourizadeh, F. , Mokhtarpour, M. , Valizadeh Ziae, Z. , ... Sadrmostavi, A. , Shekaari, H.,Solubility enhancement and intermolecular interactions of salicylic acid in aqueous solutions of choline chloride based deep eutectic solvents,Journal of Molecular Liquids,2022 12 03.
32. Ghaffari, F. , Khorsandi, M. , Shekaari, H. , Zafarani ,& Moattar, M.T.,Liquid–liquid equilibrium measurements and computational study of salt–polymer aqueous two phase system for extraction of analgesic drugs,Scientific Reports,2022 12 02.
33. Momeni, P. , Shekaari, H.,Effect of choline lactate ionic liquid as entrainer on the thermodynamic properties of alcohols + water azeotropic mixtures,Journal of Molecular Liquids,2022 09 22.
34. Shekaari, H. , Basteholia, N. , Mokhtarpour, M. , Zafarani ,& Moattar, M.T.,Influence of Choline-Based Ionic Liquids as Neoteric Green Solvents on Aqueous Solubility of Lamotrigine and Piroxicam Drugs,Pharmaceutical Sciences,2022 07 29.
35. Faraji, S. , Shekaari, H. , Zafarani ,& Moattar, M.T. , Mokhtarpour, M.,Experimental studies on thermophysical properties of protic ionic liquids for thermal energy storage systems,Journal of Energy Storage,2022 05 25.
36. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mokhtarpour, M.,Effective ultrasonic-assisted extraction and solubilization of curcuminoids from turmeric by using natural deep eutectic solvents and imidazolium-based ionic liquids,Journal of Molecular Liquids,2022 03 25.
37. Zafarani ,& Moattar, M.T. , Shekaari, H. , Fattah, S.G. , Mokhtarpour, M.,Novel aqueous two-phase systems containing polymer-based deep eutectic solvent and citrate salts for high-performance extraction of dyes,Journal of Molecular Liquids,2022 03 15.
38. Karimi, S. , Shekaari, H.,Application of acidic deep eutectic solvents in green extraction of 5-hydroxymethylfurfural,Scientific reports,,2022 02 25.
39. Ghaffari, F. , Zafarani ,& Moattar, M.T. , Shekaari, H.,Aqueous biphasic systems created with choline chloride-fructose natural deep eutectic solvents and polypropylene glycol 400 and usage of these systems for extraction of some commonly used drugs,Fluid Phase Equilibria,2022 02 10.
40. Mohammadi, B. , Shekaari, H. , Zafarani ,& Moattar, M.T.,Study of the nano-encapsulated vitamin D3 in the bio-based phase change material: Synthesis and characteristics,Journal of Molecular Liquids,2022 02 07.
41. Zafarani , Moattar, M.T. , Shekaari, H. , Sadrmostavi , Dizaj, A.,Some thermodynamic properties and computational study of DESs (choline chloride/ethylene glycol and choline chloride/malonic acid) in lithium nitrate + propylene carbonate solutions at T = 298.15 K,Journal of Chemical Thermodynamics,2022 02 05.
42. Shekaari, H. , Taghi Zafarani ,& Moattar, M. , Mokhtarpour, M. , Faraji, S.,Effect of some choline based deep eutectic solvents on volumetric and ultrasonic properties of gabapentin drug in water at T = (288.15 to 318.15) K,Journal of Molecular Liquids,2022 01 15.
43. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mokhtarpour, M.,Understanding Solvation Behavior of Cefazolin Sodium in the Aqueous Choline Chloride/Ethylene Glycol or Urea Solutions through Vapor Pressure Osmometry and Volumetric and Acoustic Measurements,Journal of Chemical and Engineering Data,2022 01 13.
44. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mokhtarpour, M.,Therapeutic deep eutectic solvent-based ion-gel as a neoteric drug delivery carrier for 5-fluorouracil,Journal of the Iranian Chemical Society,2022 01 08.
45. Zafarani , Moattar, M.T. , Shekaari, H. , Ardi , Samberan, P.,Thermodynamic Studies of I-Tryptophan

- and L-Threonine Partitioning in Aqueous Two-phase Systems Containing Deep Eutectic Solvents (Choline Chloride/PEG) and Potassium Salts, *Journal of Chemical and Engineering Data*, 2022 01 07.
46. Niakan, M. , Masteri ,& Farahani, M. , Karimi, S. , Shekaari, H.,Sulfonic acid functionalized dendrimer-grafted cellulose as a solid acid catalyst for the high-yield and green production of 5-hydroxymethylfurfural,*Sustainable Energy and Fuels*,2022 01 06.
47. Khorsandi, M. , Shekaari, H. , Mokhtarpour, M. , Hamishehkar, H.,Cytotoxicity of some choline-based deep eutectic solvents and their effect on solubility of coumarin drug,*European Journal of Pharmaceutical Sciences*,2021 12 25.
48. Karimi, S. , Seidi, F. , Niakan, M. , Shekaari, H. , Masteri ,& Farahani, M.,Catalytic dehydration of fructose into 5-hydroxymethylfurfural by propyl sulfonic acid functionalized magnetic graphene oxide nanocomposite,*Renewable Energy*,2021 12 05.
49. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mokhtarpour, M. , Faraji, S.,Deep eutectic solvents for antiepileptic drug phenytoin solubilization: thermodynamic study,*Scientific Reports*,2021 11 26.
50. Zafarani ,& Moattar, M.T. , Shekaari, H. , Dizaj, A.S. , Asghari, E,Effect of choline chloride based deep eutectic solvents on lithium perchlorate + propylene carbonate solutions: Thermodynamic, transport, electrochemical and computational study,*Journal of the Taiwan Institute of Chemical Engineers*,2021 11 21.
51. Behboudi, E. , Shekaari, H. , Zafarani ,& Moattar, M.T.,Salting- in effect of deep eutectic solvents on the aqueous solutions of D-glucose by using isopiestic method,*Journal of Chemical Thermodynamics*,2021 11 07.
52. Mohammadi, B. , Shekaari, H. , Zafarani ,& Moattar, M.T.,Study of deep eutectic solvents (DESS) performance on aromatics (benzene and thiophene) extraction: thermophysical study,*Journal of Thermal Analysis and Calorimetry*,2021 11 01.
53. Golmohammadi, B. , Shekaari, H. , Zafarani ,& Moattar, M.T.,Thermodynamic Properties of Ternary Systems Containing (LiCl and LiBr) + Propylene Carbonate + Ionic Liquid (1-Alkyl-3-methylimidazolium Thiocyanate),*ACS Omega*,2021 10 26.
54. Ezazi, M. , Ghaffari, F. , Karimi, S. , Shekaari, H.,Thermophysical and taste behavior of sucrose in aqueous solution of some deep eutectic solvents at T= (288.15 to 318.15) K,*Journal of Molecular Liquids*,2021 09 15.
55. Mohammadi, B. , Shekaari, H. , Zafarani ,& Moattar, M.T.,Separation and encapsulation of Persian red rose oil by eutectic compounds,*Microchemical Journal*,2021 09 06.
56. Behboudi, M.R. , Zafarani ,& Moattar, M.T. , Shekaari, H. , Ghaffari, F.,Effect of choline-based ionic liquids on thermodynamic and transport properties of aqueous diphenhydramine hydrochloric acid solutions,*Journal of Molecular Liquids*,2021 09 01.
57. Behboudi, E. , Shekaari, H. , Zafarani ,& Moattar, M.T.,Measurement and PC-SAFT modeling of the water activity for aqueous solutions of D-mannose in some deep eutectic solvents,*Journal of the Taiwan Institute of Chemical Engineers*,2021 08 02.
58. Niakan, M. , Karimi, S. , Masteri ,& Farahani, M. , Shekaari, H.,An efficient, cost-effective, and magnetically recoverable copper catalyst for O-arylation of phenols with aryl halides in choline chloride-based deep eutectic solvents,*Colloids and Surfaces A: Physicochemical and Engineering Aspects*,2021 07 15.
59. Mokhtarpour, M. , Samberan, P.A. , Golmohammadi, B. , ... Shekaari, H. , Taghi Zafarani ,& Moattar, M.,Paracetamol in aqueous solutions of polymeric-based deep eutectic solvents; solubility, partitioning, volumetric and compressibility studies,*Journal of Chemical Thermodynamics*,2021 07 10.
60. Shekaari, H. , Golmohammadi, B.,Ultrasound-assisted of alkali chloride separation using bulk ionic liquid membrane,*Ultrasonics Sonochemistry*,2021 06 06.
61. Homayoon , far, S. , Mokhtarpour, M. , Shekaari, H. , Zafarani , Moattar, M.T.,Article Investigation on stability, density and viscosity of ZnO/PEG nanofluids in the presence of 1-butyl 3-methylimidazolium chloride and 1-butyl 3-methylimidazolium bromide ionic liquids,*Journal of the Iranian Chemical Society*,2021 06 01.

62. Mohammadi, B. , Shekaari, H. , Zafarani ,& Moattar, M.T.,Selective separation of α -tocopherol using eco-friendly choline chloride – Based deep eutectic solvents (DESSs) via liquid-liquid extraction,Colloids and Surfaces A: Physicochemical and Engineering Aspects,2021 05 20.
63. Shekaari, H. , Zafarani ,& Moattar, M.T. , Faraji, S.,Thermophysical Properties of Protic Ionic Liquids Monoethanolamine, Diethanolamine, and Triethanolamine Lactate in Water,Journal of Chemical and Engineering Data,2021 04 13.
64. Shekaari, H. , Mokhtarpour, M. , Nesari, P. , ... Behboudi, M.R. , Golmohammadi, B.,Measurement and Thermodynamic Modeling of Lamotrigine Solubility in the Presence of Some Choline-Based Ionic Liquids,Journal of Chemical and Engineering Data,2021 04 13.
65. Shekaari, H. , Golmohammadi, B. , Faraji, S. , ... Gharouni Fattah, S. , Taghi Zafarani ,& Moattar, M.,Thermodynamic and computational study of paracetamol in aqueous solutions of some sustainable amino acid-based ionic liquids,Journal of Chemical Thermodynamics,2021 04 01.
66. Shekaari, H. , Mokhtarpour, M. , Faraji, S. , Zafarani ,& Moattar, M.T.,Enhancement of curcumin solubility by some choline chloride-based deep eutectic solvents at different temperatures,Fluid Phase Equilibria,2021 03 15.
67. Golgoun, S. , Mokhtarpour, M. , Shekaari, H.,Solubility enhancement of betamethasone, meloxicam and piroxicam by use of choline-based deep eutectic solvents,Pharmaceutical Sciences,2021 03 10.
68. Niakan, M. , Masteri ,& Farahani, M. , Karimi, S. , Shekaari, H.,Hydrophilic role of deep eutectic solvents for clean synthesis of biphenyls over a magnetically separable Pd-catalyzed Suzuki-Miyaura coupling reaction,Journal of Molecular Liquids,2021 02 15.
69. Behboudi, E. , Shekaari, H. , Zafarani ,& Moattar, M.T.,Water Activity in Aqueous Solution of Sucrose in the Presence of Some Deep Eutectic Solvents,Journal of Chemical and Engineering Data,2021 02 11.
70. Zafarani ,& Moattar, M.T. , Shekaari, H. , Jafari, P.,Thermodynamics of acetaminophen and bovine serum albumin partitioning in ternary aqueous solutions comprising polyethylene glycol dimethyl ether 250 and choline bitartrate: Liquid-liquid equilibria, volumetric and acoustic investigations,Journal of Molecular Liquids,2021 02 01.
71. Karimi, S. , Shekaari, H. , Halimehjani, A.Z. , Niakan, M.,Solvent-Free Production of 5-Hydroxymethylfurfural from Deep Eutectic Substrate Reaction Mixtures over a Magnetically Recoverable Solid Acid Catalyst,ACS Sustainable Chemistry and Engineering,2021 01 11.
72. Zonouz, A.M. , Abri, A. , Babajani, N. , Shekaari, H.,Novel acidic ChCl/TFA DES as reaction medium and catalyst for Biginelli and Hantzsch reactions,Iranian Journal of Catalysis,2021 01 02.
73. Niakan, M. , Masteri ,& Farahani, M. , Shekaari, H. , Karimi, S.,Pd supported on clicked cellulose-modified magnetite-graphene oxide nanocomposite for C-C coupling reactions in deep eutectic solvent,Carbohydrate Polymers,2021 01 01.
74. Karimi, S. , Shekaari, H. , Ahadzadeh, I.,Effect of some deep eutectic solvents based on choline chloride on thermodynamic properties of 5-hydroxymethylfurfural at $T = (288.15 \text{ to } 318.15) \text{ K}$,Journal of the Taiwan Institute of Chemical Engineers,2020 12 22.
75. Zardari, P. , Rostami, A. , Shekaari, H.,p-Phenylenediaminium iodide capping agent enabled self-healing perovskite solar cell,Scientific Reports,2020 12 20.
76. Mohammadi, B. , Shekaari, H. , Zafarani ,& Moattar, M.T.,Synthesis of nanoencapsulated vitamin E in phase change material (PCM) shell as thermo-sensitive drug delivery purpose,Journal of Molecular Liquids,2020 12 15.
77. Mokhtarpour, M. , Shekaari, H.,Application of Prigogine–Flory–Patterson theory to correlate the thermodynamic properties of aqueous mixtures of some three-component deep eutectic solvents based on choline chloride and carboxylic acids at $T = (288.15 \text{ to } 318.15) \text{ K}$,Journal of Molecular Liquids,2020 12 15.
78. Shekaari, H. , Mokhtarpour, M. , Mokhtarpour, F. , ... Martinez, F. , Zafarani ,& Moattar, M.T.,Significant increase in the solubility of celecoxib in presence of some deep eutectic solvents as novel sustainable solvents and the thermodynamic analysis of these systems,Pharmaceutical Sciences,2020 12 10.

79. Zafarani ,& Moattar, M.T. , Shekaari, H. , Sadrmosavi Dizaj, A.,Investigation of solute-solvent interactions in binary and quaternary solutions containing lithium perchlorate, propylene carbonate, and the deep eutectic solvent (choline chloride/ethylene glycol) at T=(288.15 to 318.15) K,Journal of Molecular Liquids,2020 12 01.
80. Khorsandi, M. , Shekaari, H. , Mokhtarpour, M.,Measurement and correlation of coumarin solubility in aqueous solution of acidic deep eutectic solvents based on choline chloride,Fluid Phase Equilibria,2020 12 01.
81. Mokhtarpour, M. , Homayoon , Far, S. , Shekaari, H. , Zafarani , Moattar, M.T.,Effect of Some Imidazolium-Based Ionic Liquids on the Stability, Volumetric, and Transport Properties of ZnO Nanofluids,Journal of Chemical and Engineering Data,2020 11 12.
82. Behboudi, E. , Shekaari, H. , Zafarani ,& Moattar, M.T.,Effect of deep eutectic solvents based on choline chloride on the thermodynamic and transport properties of D-fructose in aqueous solution,Fluid Phase Equilibria,2020 11 01.
83. Shahrezaei, F. , Shamsipur, M. , Gholivand, M.B. , ... Zonouz, A.M. , Shekaari, H.,A highly selective green supported liquid membrane by using a hydrophobic deep eutectic solvent for carrier-less transport of silver ions,Analytical Methods,2020 10 03.
84. Karimi, S. , Shekaari, H. , Ahadzadeh, I.,The sweetness response and thermophysical properties of glucose and fructose in the aqueous solution of some deep eutectic solvents at T= (288.15–318.15) K,Carbohydrate Research,2020 09 05.
85. Zafarani ,& Moattar, M.T. , Shekaari, H. , Ghaffari, F.,The study of extent of interactions between components of natural deep eutectic solvents in the presence of water through isopiestic investigations,Journal of Molecular Liquids,2020 08 01.
86. Faraji, S. , Mokhtarpour, M. , Behboudi, E. , ... Shekaari, H. , Zafarani ,& Moattar, M.T.,Vapor-Liquid Equilibria and Computational Study for Aqueous Solutions of Novel Deep Eutectic Solvents (Amino Acid/Lactic Acid) at 298.15 K,Journal of Chemical and Engineering Data,2020 07 09.
87. , Mirheydari, S.N. , Barzegar ,& Jalali , Shekaari, H. Faraji, S. , ... Martinez, F. , Jouyban, A.,Volumetric and acoustic properties of ionic liquid, 1-hexyl-3-methylimidazolium bromide in 1-hexanol, 1-heptanol and 1-octanol at T = (298.15–328.15) K,Physics and Chemistry of Liquids,2020 07 03.
88. Zafarani ,& Moattar, M.T. , Shekaari, H. , Pourbagherian, E.,Study of the liquid-liquid equilibrium for aqueous ternary systems containing choline bitartrate and 1-propanol or 2-propanol at different temperatures and their performances in acetaminophen separation and alcohols recovery,Fluid Phase Equilibria,2020 06 15.
89. Mokhtarpour, M. , Basteholia, N. , Shekaari, H. , Zafarani ,& Moattar, M.T.,Effect of choline-based ionic liquids as novel green solvents on the aqueous solubility enhancement and thermodynamic properties of acetaminophen,Journal of Molecular Liquids,2020 05 15.
90. Barzegar Jalali, M. , Jouyban, A. , Shekaari, H. , Mirheydari, S.N.,Density and speed of sound of diethylene glycol monoethyl ether + propylene glycol at t = (288.15–318.15) k,Iranian Journal of Chemistry and Chemical Engineering,2020 05 06.
91. Jouyban, A. , Mirheydari, S.N. , Barzegar ,& Jalali, M. , Shekaari, H. , Acree, W.E.,Comprehensive models for density prediction of ionic liquid + molecular solvent mixtures at different temperatures,Physics and Chemistry of Liquids,2020 05 03.
92. Mokhtarpour, M. , Shekaari, H.,Measurement and correlation of thermophysical properties in aqueous solutions of some novel bio-based deep eutectic solvents (lactic acid/amino acids) at T = (298.15 to 313.15) K,Journal of Chemical Thermodynamics,2020 05 01.
93. Mokhtarpour, M. , Shekaari, H. , Shayanfar, A.,Design and characterization of ascorbic acid based therapeutic deep eutectic solvent as a new ion-gel for delivery of sunitinib malate,Journal of Drug Delivery Science and Technology,2020 04 05.
94. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mohammadi, B.,Liquid-liquid equilibria and thermophysical properties of ternary mixtures {(benzene / thiophene) + hexane + deep eutectic solvents},Fluid Phase Equilibria,2020 04 01.

95. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mokhtarpour, M. , Faraji, S.,Correction to "Volumetric and compressibility properties for aqueous solutions of choline chloride based deep eutectic solvents and Prigogine–Flory–Patterson theory to correlate of excess molar volumes at T = (293.15 to 308.15) K" (Journal of Molecular Li,Journal of Molecular Liquids,2020 04 01.
96. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mohammadi, B.,Thermophysical properties of choline chloride/urea deep eutectic solvent in aqueous solution at infinite dilution at T = 293.15–323.15 K,Journal of Thermal Analysis and Calorimetry,2020 03 01.
97. Zafarani ,& Moattar, M.T. , Shekaari, H. , Jafari, P.,Structural effects of choline amino acid ionic liquids on the extraction of bovine serum albumin by green and biocompatible aqueous biphasic systems composed of polypropylene glycol400 and choline amino acid ionic liquids,Journal of Molecular Liquids,2020 03 01.
98. Shekaari, H. , Zafarani ,& Moattar, M.T. , Faraji, S. , Mokhtarpour, M.,Prediction of vapor pressure and density for nonaqueous solutions of the ionic liquid 1-ethyl-3-methylimidazolium ethyl sulfate using PC-SAFT equation of state,Fluid Phase Equilibria,2020 02 15.
99. Zafarani ,& Moattar, M.T. , Shekaari, H. , Jafari, P.,Thermodynamic and transport investigation of aqueous solutions containing choline L-histidinate and some water soluble polymers such as polyethylene glycol di methyl ether, polyethylene glycol and polypropylene glycol: Evaluation of solute-solvent interac,Journal of Molecular Liquids,2020 02 15.
100. Shekaari, H. , Taghi Zafarani ,& Moattar, M. , Mokhtarpour, M. , Faraji, S.,Compatibility of sustainable solvents ionic liquid, 1-ethyl-3-methylimidazolium ethyl sulfate in some choline chloride based deep eutectic solvents: thermodynamics study,Journal of Chemical Thermodynamics,2020 02 06.
101. Shekaari, H. , Taghi Zafarani ,& Moattar, M. , Golmohammadi, B.,Thermodynamic and transport properties of ionic liquids, 1-alkyl-3-methylimidazolium thiocyanate in the aqueous lithium halides solutions,Journal of Chemical Thermodynamics,2020 02 04.
102. Zafarani ,& Moattar, M.T. , Shekaari, H. , Jafari, P.,The role of ionic association of choline amino acid ionic liquids on the two-phase formation and extraction of bovine serum albumin in ATPSs containing PEGDME250 and choline histidine or choline arginine at different temperatures,Fluid Phase Equilibria,2020 02 01.
103. Zafarani ,& Moattar, M.T. , Shekaari, H. , Ghaffari, F.,Evaluation of solute-solvent interaction and phase separation for aqueous polymers solutions containing choline chloride/D-sucrose natural deep eutectic solvent through vapor-liquid equilibria, volumetric and acoustic studies,Journal of Chemical Thermodynamics,2020 01 10.
104. Taghi Zafarani ,& Moattar, M. , Shekaari, H. , Jafari, P.,Volumetric, acoustic and viscometric investigation of some choline amino acid ionic liquids in aqueous solutions of polypropylene glycol 400 and polyethylene glycol 400,Journal of Chemical Thermodynamics,2020 01 10.
105. Barzegar ,& Jalali, M. , Jouyban, A. , Martinez, F. , Shekaari, H. , Mirheydari, S.N.,Solubility and thermodynamics of lamotrigine in ternary mixtures of ionic liquids ($[OMIm][Br] + [HMIm][Br] +$ water) at different temperatures,Chinese Journal of Chemical Engineering,2020 01 04.
106. Mokhtarpour, M. , Shekaari, H. , Zafarani ,& Moattar, M.T. , Golgoun, S.,Solubility and solvation behavior of some drugs in choline based deep eutectic solvents at different temperatures,Journal of Molecular Liquids,2020 01 01.
107. Zafarani ,& Moattar, M.T. , Shekaari, H. , Ghaffari, F.,Vapor-Liquid Equilibria Study of the Aqueous Systems Containing {Choline Chloride + Glucose or Urea} and Their Deep Eutectic Solvents at 298.15 K and 85 kPa,Journal of Chemical and Engineering Data,2019 11 11.
108. Zafarani ,& Moattar, M.T. , Shekaari, H. , Mazaher Haji Agha, E,Effect of ionic liquids 1-octyl-3-methyl imidazolium bromide or 1-octyl-3-methyl imidazolium chloride on thermophysical properties and taste behavior of sucrose in aqueous media at different temperatures: Volumetric, compressibility and viscometric proper,Food Chemistry,2019 10 15.
109. Zafarani ,& Moattar, M.T. , Shekaari, H. , Mazaher Haji Agha, E.,Phase Equilibrium Study in

- Aqueous Solutions Containing Ionic Liquid 1-Butyl-3-methyl Imidazolium Chloride and Poly(propylene glycol) 400 or Poly(ethylene glycol) Dimethyl Ether 250 via a Vapor-Liquid Equilibrium Study at $T = 298.15\text{ K}$,Journal of Chemical and Engineering Data,2019 10 10.
110. Mirheydari, S.N. , Barzegar ,& Jalali, M. , Acree, W.E. , ... Shayanfar, A. , Jouyban, A.,Comparison of the Models for Correlation of Drug Solubility in Ethanol + Water Binary Mixtures,Journal of Solution Chemistry,2019 09 31.
111. Shekaari, H. , Ahadzadeh, I. , Karimi, S.,Understanding solvation behavior of glucose in aqueous solutions of some deep eutectic solvents by thermodynamic approach,Journal of Molecular Liquids,2019 09 25.
112. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mirheydari, S.N. , Agha, E.M.H.,The effect of pharmaceutically active ionic liquids, 1-methyl-(3-hexyl or octyl) imidazolium ibuprofenate on the thermodynamic and transport properties of aqueous solutions of glycine at $T=298.2\text{ K}$ and $p=0.087\text{ MPa}$,Journal of Molecular Liquids,2019 09 15.
113. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mohammadi, B.,Liquid-Liquid Equilibria for Benzene/Thiophene + Cyclohexane/Hexadecane + Deep Eutectic Solvents: Data and Correlation,Journal of Chemical and Engineering Data,2019 09 12.
114. Barzegar ,& Jalali, M. , Mirheydari, S.N. , Rahimpour, E. , ... Martinez, F. , Jouyban, A.,Experimental determination and correlation of bosentan solubility in (PEG 200 + water) mixtures at $T= (293.15\text{--}313.15)\text{ K}$,Physics and Chemistry of Liquids,2019 09 04.
115. Barzegar ,& Jalali, M. , Mirheydari, S.N. , Shekaari, H. , Martinez, F. , Jouyban, A.,The solubility of bosentan in aqueous-2-propanol mixtures at several temperatures, measurement and data correlation,Physics and Chemistry of Liquids,2019 09 03.
116. Barzegar ,& Jalali, M. , Mirheydari, S.N. , Rahimpour, E. , ... Martinez, F. , Jouyban, A.,Measurement and modelling of solubility data for bosentan in 1-propanol + water mixtures at various temperatures,Physics and Chemistry of Liquids,2019 09 03.
117. Mirheydari, S.N. , Barzegar ,& Jalali, M. , Shekaari, H. , Martinez, F. , Jouyban, A.,Experimental determination and correlation of lamotrigine solubility in aqueous mixtures of 1-octyl-3-methylimidazolium bromide ionic liquid at various temperatures,Journal of Chemical Thermodynamics,2019 09 025.
118. Mokhtarpour, M. , Shekaari, H. , Martinez, F. , Zafarani ,& Moattar, M.T.,Effect of Tetrabutylammonium Bromide-Based Deep Eutectic Solvents on the Aqueous Solubility of Indomethacin at Various Temperatures: Measurement, Modeling, and Prediction with Three-Dimensional Hansen Solubility Parameters,AAPS PharmSciTech,2019 09 01.
119. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mokhtarpour, M. , Faraji, S.,Volumetric and compressibility properties for aqueous solutions of choline chloride based deep eutectic solvents and Prigogine–Flory–Patterson theory to correlate of excess molar volumes at $T=(293.15\text{ to }308.15)\text{ K}$,Journal of Molecular Liquids,2019 09 01.
120. Abri, A. , Babajani, N. , Zonouz, A.M. , Shekaari, H.,Spectral and thermophysical properties of some novel deep eutectic solvent based on l-menthol and their mixtures with ethanol,Journal of Molecular Liquids,2019 08 21.
121. Mokhtarpour, M. , Shekaari, H. , Martinez, F. , Zafarani ,& Moattar, M.T.,Study of naproxen in some aqueous solutions of choline-based deep eutectic solvents: Solubility measurements, volumetric and compressibility properties,International Journal of Pharmaceutics,2019 07 13.
122. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mokhtarpour, M. , Faraji, S.,Exploring cytotoxicity of some choline-based deep eutectic solvents and their effect on the solubility of lamotrigine in aqueous media,Journal of Molecular Liquids,2019 07 03.
123. Barzegar ,& Jalali, M. , Jouyban, A. , Shekaari, H. , Martinez, F. , Mirheydari, S.N.,The effect of 1-hexyl-3-methylimidazolium bromide ionic liquid as a co-solvent on the aqueous solubility of lamotrigine at $T=(293.2\text{--}313.2)\text{ K}$,Journal of Chemical Thermodynamics,2019 06 10.
124. Taghi Zafarani ,& Moattar, M. , Shekaari, H. , Mostafavi, H. , Jafari, P.,Thermodynamic and

transport properties of aqueous solutions containing cholinium L-alaninate and polyethylene glycol dimethyl ether 250: Evaluation of solute-solvent interactions and phase separation,Journal of Chemical Thermodynamics,2019 05 20.

125. Zafarani ,& Moattar, M.T. , Shekaari, H. , Agha, E.M.H.,Measurement and modeling of solubility of galactose in aqueous ionic liquids, 1-butyl-3-methyl imidazolium bromide, 1-hexyl-3-methyl imidazolium bromide and 1-butyl-3-methylimidazolium chloride at T = (298.15 and 308.15) K,Pharmaceutical Sciences,2019 04 25.
126. Zafarani ,& Moattar, M.T. , Shekaari, H. , Jafari, P.,The role of water soluble polymers in the phase separation of aqueous cholinium phenylalaninate solution as a green and biocompatible ionic liquid,Fluid Phase Equilibria,2019 04 15.
127. Shekaari, H. , Zafarani ,& Moattar, M.T. , Golmohammadi, B.,Solvation properties of 1-alkyl-3-methylimidazolium thiocyanate ionic liquids in the presence of lithium halide salts in N-methyl-2-pyrrolidone,Journal of Molecular Liquids,2019 04 15.
128. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mohammadi, B.,Effective extraction of benzene and thiophene by novel deep eutectic solvents from hexane / aromatic mixture at different temperatures,Fluid Phase Equilibria,2019 04 14.
129. Zafarani ,& Moattar, M.T. , Shekaari, H. , Mazaher Haji Agha, E.,Investigation of the Thermodynamic Properties in Aqueous Solutions Containing d -Fructose and Some Imidazolium-Based Ionic Liquids at Different Temperatures,Journal of Chemical and Engineering Data,2019 04 11.
130. Zafarani ,& Moattar, M.T. , Shekaari, H. , Jafari, P.,Evaluation of Solute-Solvent Interactions in Aqueous Solutions Containing Cholinium Aminoate Ionic Liquids and Polyethylene Glycol Dimethyl Ether as a Nontoxic Solvent: Thermodynamic and Transport Studies,Journal of Chemical and Engineering Data,2019 04 11.
131. Mirheydari, S.N. , Barzegar ,& Jalali, M. , Golmohamadi, B. , ... Martinez, F. , Jouyban, A.,Density, Speed of Sound, and Viscosity of Diethylene Glycol Monoethyl Ether + N, N-Dimethylformamide (Ethanol, Water) at T = 288.15-318.15 K,Journal of Chemical and Engineering Data,2019 04 11.
132. Mokhtarpour, M. , Shekaari, H. , Martinez, F. , Zafarani ,& Moattar, M.T.,Performance of local composition models to correlate the aqueous solubility of naproxen in some choline based deep eutectic solvents at T = (298.15-313.15) K,Pharmaceutical Sciences,2019 03 28.
133. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mirheydari, S.N. , Haji Agha, E.M.,Effect of 1-octyl-3-methylimidazolium salicylate as an active pharmaceutical ingredient (API-IL) on the thermodynamic behavior of aqueous glycine solutions at T= 298.15 K,Pharmaceutical Sciences,2019 03 20.
134. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mirheydari, S.N.,Study of interactions between L-alanine and 1-octyl-3-methylimidazolium salicylate or 1-octyl-3-methylimidazolium ibuprofenate using the thermophysical properties at T=298.15K,Journal of Molecular Liquids,2019 03 15.
135. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mirheydari, S.N.,Thermodynamic study of L-alanine in aqueous solutions of 1-hexyl-3- methylimidazolium ibuprofenate as an active pharmaceutical ingredient ionic liquid (API-IL),Physical Chemistry Research,2019 02 25.
136. Shekaari, H. , Mirheydari, S.N. , Zafarani ,& Moattar, M.T.,Electrical conductivity studies of 1-butyl-3-methylimidazolium salicylate as an active pharmaceutical ingredient ionic liquid (API-IL) in aqueous amino acids solutions,Physical Chemistry Research,2019 01 28.
137. Zafarani ,& Moattar, M.T. , Shekaari, H. , Jafari, P.,Liquid-liquid equilibria of choline chloride+1-propanol or 2-propanol+water ternary systems at different temperatures: Study of choline chloride ability for recovering of these alcohols from water mixtures,Journal of Molecular Liquids,2019 01 19.
138. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mirheydari, S.N. , Faraji, S.,Thermophysical Properties of 1-Hexyl-3-methylimidazolium Salicylate as an Active Pharmaceutical Ingredient Ionic Liquid (API-IL) in Aqueous Solutions of Glycine and L-Alanine,Journal of Chemical and Engineering Data,2019 01 15.
139. Zafarani ,& Moattar, M.T. , Shekaari, H. , Jafari, P.,Thermodynamic study of aqueous two-phase systems containing biocompatible cholinium aminoate ionic-liquids and polyethylene glycol di-methyl ether 250 and their performances for bovine serum albumin separation,Journal of Chemical

Thermodynamics,2019 01 11.

140. Shekaari, H. , Zafarani ,& Moattar, M.T. , Faraji, S.,Vapor-Liquid Equilibrium, Volumetric, and Compressibility Properties of 1-Propanol + Poly(ethylene glycol) Dimethyl Ether 250 and 500 Binary Mixtures,Journal of Chemical and Engineering Data,2018 12 13.
141. Shekaari, H. , Zafarani ,& Moattar, M.T. , Faraji, S. , Mokhtarpour, M.,Thermophysical properties of ionic liquid, 1-ethyl-3-methylimidazolium ethyl sulfate in organic solvents at dilute region,Journal of Molecular Liquids,2018 11 01.
142. Zafarani ,& Moattar, M.T. , Shekaari, H. , Mazaher Haji Agha, E.,Salting-out Effect of Ionic Liquid, 1-Butyl-3-methyl Imidazolium Chloride on Aqueous d -Fructose or Sucrose Solutions at T = 298.15 K: Vapor-Liquid Equilibrium Study,Journal of Chemical and Engineering Data,2018 09 13.
143. Zafarani ,& Moattar, M.T. , Shekaari, H. , Jafari, P. , Gharekhani, F.,Thermodynamic Studies of the Aqueous Two-Phase System Containing Polyethylene Glycol Dimethyl Ether 2000 and Sodium Nitrite at (298.15, 308.15, and 318.15) K,Journal of Chemical and Engineering Data,2018 08 09.
144. Mirheydari, S.N. , Soleymani, J. , Jouyban ,& Gharamaleki, V. , ... Jouyban, A. , Shekaari, H.,Viscosity prediction of ionic liquid+ molecular solvent mixtures at various temperatures,Journal of Molecular Liquids,2018 08 01.
145. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mokhtarpour, M. , Faraji, S.,Effect of 1-ethyl-3-methylimidazolium ethyl sulfate ionic liquid on the solubility of indomethacin in aqueous solutions at various temperatures,Journal of Molecular Liquids,2018 05 15.
146. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mokhtarpour, M.,Experimental determination and correlation of acetaminophen solubility in aqueous solutions of choline chloride based deep eutectic solvents at various temperatures,Fluid Phase Equilibria,2018 04 25.
147. Mehrdad, A. , Shekaari, H. , Noorani, N.,Density, speed of sound, viscosity, and conductivity of lactic acid in the aqueous solutions of polyethylene glycol at different temperatures,Journal of Molecular Liquids,2018 04 18.
148. Zafarani ,& Moattar, M.T. , Shekaari, H. , Mazaher Haji Agha, E.,Investigation of the solute-solute and solute-solvent interactions in ternary {saccharide + ionic liquid + water} systems,Journal of Molecular Liquids,2018 04 11.
149. Majdan , Cegincara, R. , Zafarani , Moattar, M.T. , Shekaari, H. , Ghaffari, F.,Effect of fruit and milk sugars on solute–solvent interactions of diphenhydramine-hydrochloride drug in aqueous solutions in viewpoint of volumetric and transport properties,Journal of Chemical Thermodynamics,2018 04 09.
150. Zafarani ,& Moattar, M.T. , Shekaari, H. , Jafari, P.,Design of Novel Biocompatible and Green Aqueous two-Phase Systems containing Cholinium L-alaninate ionic liquid and polyethylene glycol dimethyl ether 250 or polypropylene glycol 400 for separation of bovine serum albumin (BSA),Journal of Molecular Liquids,2018 03 20.
151. Zafarani ,& Moattar, M.T. , Shekaari, H. , Hashemzadeh, T.,Effect of temperature and molar mass of polymer on liquid-liquid equilibria of aqueous two-phase system containing poly ethylene glycol dimethyl ether and ammonium sulfate and application of this system in separation of lactic acid,Fluid Phase Equilibria,2018 03 18.
152. Shekaari, H. , Zafarani ,& Moattar, M.T. , Shayanfar, A. , Mokhtarpour, M.,Effect of choline chloride/ethylene glycol or glycerol as deep eutectic solvents on the solubility and thermodynamic properties of acetaminophen,Journal of Molecular Liquids,2018 02 19.
153. Shekaari, H. , Mehrdad, A. , Noorani, N.,Dissociation Behavior of I(+)-Lactic Acid in Aqueous Solutions of (1-Alkyl-4-methylpyridinium bromide + Poly (ethyleneglycol)) at T = (288.15–318.15) K,Journal of Solution Chemistry,2018 02 15.
154. Zafarani ,& Moattar, M.T. , Shekaari, H. , Mazaher Haji Agha, E.,Isopiestic determination of water activity and vapour pressure for ternary (ionic liquid, 1-hexyl-4-methyl pyridinium bromide + D-fructose or sucrose + water) systems and corresponding binary ionic liquid solutions at 298.15 K,Journal of Chemical Thermodynamics,2018 02 07.
155. Shekaari, H. , Zafarani ,& Moattar, M.T. , Ghaffari, F.,Effect of Some Imidazolium-Based Ionic

- Liquids with Different Anions on the Thermodynamic Properties of Acetaminophen in Aqueous Media at T = 293.15 to 308.15 K, Journal of Chemical and Engineering Data, 2017 12 14.
156. Niknam, M. , Vatanparast, M. , Shekaari, H., Theoretical study of interactions between 1-alkyl-3-methyimidazolium tetrafluoroborate and dibenzothiophene: DFT, NBO, and AIM analysis, Journal of Structural Chemistry, 2017 12 01.
157. Shekaari, H. , Mehrdad, A. , Noorani, N., Effect of some imidazolium based ionic liquids on the electrical conductivity of L(+)-lactic acid in aqueous solutions of poly(ethylene glycol), Fluid Phase Equilibria, 2017 11 15.
158. Shekaari, H. , Zafarani ,& Moattar, M.T. , Faraji, S., Measurement and Correlation of Activity, Density, and Speed of Sound for Binary Mixtures of 1-Propanol + Poly(Propylene Glycol) 400, 725, and 1025, Journal of Chemical and Engineering Data, 2017 11 14.
159. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mokhtarpour, M., Solubility, volumetric and compressibility properties of acetaminophen in some aqueous solutions of choline based deep eutectic solvents at T = (288.15 to 318.15) K, European Journal of Pharmaceutical Sciences, 2017 10 28.
160. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mohammadi, B., Thermophysical characterization of aqueous deep eutectic solvent (choline chloride/urea) solutions in full ranges of concentration at T = (293.15–323.15) K, Journal of Molecular Liquids, 2017 09 02.
161. Shekaari, H. , Mehrdad, A. , Noorani, N., Conductivity and dissociation behavior of L(+)-lactic acid in the aqueous solutions of (1-butyl-4-methylpyridinium halide, 1-butyl-3-methyimidazolium halide + polyethylene glycol) at different temperatures, Journal of Molecular Liquids, 2017 07 22.
162. Mehrdad, A. , Shekaari, H. , Noorani, N., Density, Speed of Sound, and Viscosity of Aqueous Solutions Containing 1-Alkyl-4-methylpyridinium Bromide, Lactic Acid, and Polyethylene Glycol, Journal of Chemical and Engineering Data, 2017 06 27.
163. Zafarani ,& Moattar, M.T. , Shekaari, H. , Jafari, P., The effect of pH on the liquid-liquid equilibrium for a system containing polyethylene glycol di-methyl ether and tri-potassium citrate and its application for acetaminophen separation, Physical Chemistry Research, 2017 05 27.
164. Mehrdad, A. , Shekaari, H. , Noorani, N., Influence of 1-alkyl-3-methyimidazolium based ionic liquids on the thermodynamic and transport properties of L(+)-lactic acid in aqueous solutions of polyethylene glycol, Fluid Phase Equilibria, 2017 05 25.
165. Zafarani ,& Moattar, M.T. , Shekaari, H. , Gharekhani, F., Study of phase equilibria of aqueous two phase system containing poly ethylene glycol di-methyl ether 2000 and sodium nitrate at different temperatures and application of this system in separation of iodine, Journal of Chemical Thermodynamics, 2017 04 17.
166. Zafarani ,& Moattar, M.T. , Shekaari, H. , Mazaher Haji Agha, E., Thermodynamic studies on the phase equilibria of ternary {ionic liquid, 1-hexyl-3-methyl imidazolium chloride + D-fructose or sucrose + water} systems at 298.15 K, Fluid Phase Equilibria, 2017 03 25.
167. Zafarani ,& Moattar, M.T. , Shekaari, H. , Mazaher Haji Agha, E., Effect of ionic liquids, 1-butyl-3-methyl imidazolium bromide and 1-hexyl-3-methyl imidazolium bromide on the vapour – Liquid equilibria of the aqueous D-fructose solutions at 298.15 K and atmospheric pressure using isopiestic method, Journal of Chemical Thermodynamics, 2017 02 26.
168. Mehrdad, A. , Shekaari, H. , Noorani, N., Effect of 1-butyl-4-methylpyridinium and 1-butyl-3-methyimidazolium halide ionic liquids on the interactions of lactic acid in the aqueous solutions of polyethylene glycol, Journal of Chemical Thermodynamics, 2017 02 07.
169. Zafarani ,& Moattar, M.T. , Shekaari, H. , Jafari, P., Aqueous two-phase system based on cholinium chloride and polyethylene glycol di-methyl ether 250 and its use for acetaminophen separation, Journal of Chemical Thermodynamics, 2017 02 01.
170. Zafarani ,& Moattar, M.T. , Shekaari, H. , Haji Agha, E.M., Vapor – Liquid equilibria study of the ternary systems containing sucrose in aqueous solutions of ionic liquids, 1-butyl-3-methyl imidazolium bromide and 1-hexyl-3-methyl imidazolium bromide at 298.15 K and atmospheric pressure, Fluid Phase Equilibria, 2016 12 21.

171. Zafarani ,& Moattar, M.T. , Asadzadeh, B. , Shekaari, H.,Phase Equilibrium of Aqueous Glycine + Choline Chloride Ionic Liquid Solutions,Journal of Solution Chemistry,2016 12 01.
172. Shekaari, H. , Taghi Zafarani & Moattar, M. , Mirheydari, S.N.,Volumetric, Ultrasonic and Viscometric Studies of Aspirin in the Presence of 1-Octyl-3-Methylimidazolium Bromide Ionic Liquid in Acetonitrile Solutions at T=(288.15-318.15) K,Zeitschrift fur Physikalische Chemie,2016 12 01.
173. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mirheydari, S.N.,Conductometric analysis of 1-butyl-3-methylimidazolium ibuprofenate as an active pharmaceutical ingredient ionic liquid (API-IL) in the aqueous amino acids solutions,Journal of Chemical Thermodynamics,2016 11 01.
174. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mirheydari, S.N.,Thermodynamic properties of 1-butyl-3-methylimidazolium salicylate as an active pharmaceutical ingredient ionic liquid (API-IL) in aqueous solutions of glycine and L-alanine at T = (288.15-318.15) K,Thermochimica Acta,2016 09 12.
175. Shekaari, H. , Zafarani ,& Moattar, M.T. , Niknam, M.,Thermodynamic evaluation of imidazolium based ionic liquids with thiocyanate anion as effective solvent to thiophene extraction,Journal of Molecular Liquids,2016 08 10.
176. Shekaari, H. , Zafarani ,& Moattar, M.T. , Niknam, M.,Thermodynamic behavior of thiophene with octane, 1-hexyl-3-methylimidazolium bromide, or 1-octyl-3-methylimidazolium bromide in dilute region at T = (288.15 to 303.15) K,Journal of Chemical Thermodynamics,2016 06 11.
177. Shekaari, H. , Zafarani ,& Moattar, M.T. , Mirheydari, S.N.,Effect of 1-Butyl-3-methylimidazolium Ibuprofenate as an Active Pharmaceutical Ingredient Ionic Liquid (API-IL) on the Thermodynamic Properties of Glycine and I-Alanine in Aqueous Solutions at Different Temperatures,Journal of Solution Chemistry,2016 04 01.
178. Zafarani , Moattar, M.T. , Shekaari, H. , Mazaher, E.,Effect of ionic liquid, 1-hexyl-3-methylimidazolium bromide on the volumetric, acoustic and viscometric behavior of aqueous sucrose solutions at different temperatures,Journal of Chemical Thermodynamics,2016 02 01.
179. Shekaari, H. , Zafarani , Moattar, M.T. , Ghaffari, F.,Volumetric, acoustic and conductometric studies of acetaminophen in aqueous ionic liquid, 1-octyl-3-methylimidazolium bromide at T = 293.15-308.15 K,Physical Chemistry Research,2016 01 05.
180. The effect of temperature and molar mass on the (liquid + liquid) equilibria of (poly ethylene glycol dimethyl ether + di-sodium hydrogen citrate + water) systems: Experimental and correlation,Journal of Chemical Thermodynamics,2015 11 01.
181. Zafarani , Moattar, M.T. , Shekaari, H. , Mazaher, E.,The study of solute-solute and solute-solvent interactions in aqueous solutions containing sucrose and ionic liquid, 1-butyl-3-methylimidazolium bromide at different temperatures,Journal of Molecular Liquids,2015 11 01.
182. Zafarani et al.,Stability and rheological properties of nanofluids containing ZnO nanoparticles, poly(propylene glycol) and poly(vinyl pyrrolidone),Fluid Phase Equilibria,2015 10 02.
183. Shekaari, H. , Kazempour, A. , Soltanpour, A.,Molecular interactions of VO(salen) Schiff base complex with an ionic liquid in dimethyl sulfoxide solutions,ionics,2015 09 01.
184. Shekaari, H. , Zafarani , Moattar, M.T. , Jabbarvand Behrooz, N.,Volumetric, acoustic, and refractometric properties of (thiophene + hexane/cyclohexane) solutions in the presence of some imidazolium based ionic liquids at T = 298.15 K,Journal of Chemical Thermodynamics,2015 07 01.
185. Shekaari, H. et al.,Volumetric Properties of Aqueous Ionic-Liquid Solutions at Different Temperatures,Journal of Chemical and Engineering Data,2015 06 11.
186. Shekaari, H. , Zafarani , Moattar, M.T. , Mirheydari, S.N.,Density, Viscosity, Speed of Sound, and Refractive Index of a Ternary Solution of Aspirin, 1-Butyl-3-methylimidazolium Bromide, and Acetonitrile at Different Temperatures T = (288.15 to 318.15) K,Journal of Chemical and Engineering Data,2015 05 11.
187. Shekaari, H. , Zafarani , Moattar, M.T. , Mirheydari, S.N.,Thermodynamic study of aspirin in the presence of ionic liquid, 1-hexyl-3-methylimidazolium bromide in acetonitrile at T = (288.15 to 318.15) K,Journal of Molecular Liquids,2015 05 06.
188. Shekaari, H. , Kazempour, A. , Khoshalhan, M.,Densities and viscosities of ternary N,N'-bis(2-

- pyridylmethylidene)-1,2-diiminoethane Schiff base + imidazolium based ionic liquids + acetonitrile solutions at T = (298.15 to 313.15) K,Journal of Chemical and Engineering Data,2015 04 09.
189. The study of solute-solvent interactions in 1-butyl-1-methylpyrrolidinium trifluoromethanesulfonate + acetonitrile from solvent activity, density, speed of sound, viscosity, electrical conductivity and refractive index measurements,Journal of Molecular Liquids,2015 03 18.
190. Shekaari, H. , Moattar, M.T.Z , Ghaffari, F.,Solvation properties of acetaminophen in aqueous ionic liquid, 1-hexyl-3-methylimidazolium bromide, solutions at different temperatures,Journal of Molecular Liquids,2015 02 25.
191. Shekaari, H. , Kazempour, A. , Khoshalhan, M.,Schiff base ligands and their transition metal complexes in the mixtures of ionic liquid + organic solvent: A thermodynamic study,Physical Chemistry Chemical Physics,2015 02 15.
192. Shekaari, H. , Kazempour, A. , Khoshalhan, M.,Effect of N,N'-bis(2-pyridylmethylidene)-1,2-diiminoethane Schiff base (BPIE) on the thermodynamic properties of the ionic liquid 1-hexyl-3-methylimidazolium chloride in N,N-dimethylacetamide solvent at T = 298.15 K,Journal of Chemical Thermodynamics,2015 02 08.
193. Shekaari, H. , Kazempour, A. , Khoshalhan, M.,Conductometric study of ionic liquids in the presence of N,N'-bis(2-pyridylmethylidene)-1,2-diiminoethane (BPIE) Schiff base in acetonitrile solutions at 298.15 K,Electrochimica Acta,2014 11 20.
194. Aqueous two-phase system of poly ethylene glycol dimethyl ether 2000 and sodium hydroxide at different temperatures: Experiment and correlation,Fluid Phase Equilibria,2014 10 28.
195. Mehrdad, A. , Shekaari, H. , Niknam, Z.,Viscometric studies of interactions between ionic liquid 1-octyl-3-methyl-imidazolium bromide and polyvinyl pyrrolidone in aqueous solutions,Journal of Chemical Thermodynamics,2014 07 24.
196. Nemati , Kande, E. , Shekaari, H.,Salting-out effect of sodium, potassium, carbonate, sulfite, tarrate and thiosulfate ions on aqueous mixtures of acetonitrile or 1-methyl-2-pyrrolidone: A liquid-liquid equilibrium study,Fluid Phase Equilibria,2013 10 25.
197. Mehrdad, A. , Shekaari, H. , Niknam, Z.,Effect of ionic liquid on the intrinsic viscosity of polyvinyl pyrrolidone in aqueous solutions,Fluid Phase Equilibria,2013 09 22.
198. Elhami , Kalvanagh, R. , Shekaari, H. , Bezaatpour, A.,Application of scaled particle theory to the partial molar volumes of some tetradeятate N2O2 type Schiff bases in ionic liquid+DMF solutions,Fluid Phase Equilibria,2013 08 19.
199. Elhami , Kalvanagh, R. , Shekaari, H. , Kazempour, A.,Effect of solvent on the volumetric behavior of N,N'-salicylidenephenyl diamine (Salophen) Schiff base at different temperatures (288.15-318.15) K,Fluid Phase Equilibria,2013 06 23.
200. Shekaari, H. , Elhami , Kalvanagh, R. , Bezaatpour, A.,Effect of ionic liquid on the solvation behavior of nonaqueous N,N'-salicylidenephenyldiamine Schiff base (Salophen) solutions at 298.15 K,Journal of Chemical Thermodynamics,2013 02 07.
201. Nemati , Kande, E. , Shekaari, H.,Thermodynamic investigation of the ATPSs composed of some (aliphatic alcohol + sodium carbonate + water) ternary systems,Journal of Chemical Thermodynamics,2013 02 03.
202. Shekaari, H. ,& Kazempour, A.,Thermodynamic properties of d-glucose in aqueous 1-hexyl-3-methylimidazolium bromide solutions at 298.15K,Fluid Phase Equilibria,2012 12 25.
203. Shekaari, H. ,& Kazempour, A.,Density and viscosity in ternary D-xylose + ionic liquid (1-alkyl-3-methylimidazolium bromide) + water solutions at 298.15 K,Journal of Chemical and Engineering Data,2012 11 25.
204. Solution-processed photoconductive uv detectors based on ZnO nanosheets,IEEE Photonics Technology Letters,2012 10 16.
205. Nemati , Kande, E. , Shekaari, H.,Liquid-liquid equilibria of some aliphatic alcohols + disodium hydrogen citrate +water ternary systems at 298.15 K,Journal of Solution Chemistry,2012 10 14.
206. Shekaari, H. ,& Kazempour, A.,Ion association constants of ionic liquids, 1-hexyl-3-

- methylimidazolium halide, in aqueous d-fructose solutions,*Electrochimica Acta*,2012 10 04.
207. Nemati , Kande, E. , Shekaari, H. , Jafari, S.A.,Liquid-liquid equilibrium of 1-propanol, 2-propanol, 2-methyl-2-propanol or 2-butanol+sodium sulfite+water aqueous two phase systems,*Fluid Phase Equilibria*,2012 09 06.
208. Shekaari, H. , Bezaatpour, A. , Elhami , Kalvanagh, R.,Effect of an ionic liquid on the volumetric behavior of tetradentate N 20 2 type Schiff bases in DMF at T = (308.15 to 328.15) K,*Journal of Chemical Thermodynamics*,2012 08 28.
209. Nemati , Kande, E. , Shekaari, H . , Jafari, S.A.,Liquid-liquid equilibrium of some aliphatic alcohols + disodium tartrate + water aqueous two-phase systems at 298.15 K,*Journal of Chemical and Engineering Data*,2012 08 26.
210. Shekaari, H. ,& Kazempour, A.,Article Source type Journal ISSN 18761070 DOI 10.1016/j.jtice.2012.01.010 View more Dehydration effect of ionic liquid, 1-pentyl-3-methylimidazolium bromide, on the aqueous d-glucose solutions: Thermodynamic study,*Journal of the Taiwan Institute of Chemical Engineers*,2012 07 21.
211. Binodal curves and tie-lines of aliphatic alcohols + diammonium hydrogen citrate + water ternary systems: Measurement and modeling,*Journal of the Taiwan Institute of Chemical Engineers*,2012 07 16.
212. Binodal curves and tie-lines of aliphatic alcohols + diammonium hydrogen citrate + water ternary systems: Measurement and modeling,*Journal of Chemical and Engineering Data*,2012 06 12.
213. NEMATI , KNADE, E. , SHEKAARI, H. , JAFARI, S.A.,Thermodynamic study of aqueous two phase systems for some aliphatic alcohols+sodium thiosulfate+water,*Fluid Phase Equilibria*,2012 05 15.
214. Shekaari, H. , Mansoori, Y. , Kazempour, A.,Conductance behavior of ionic liquids, 1-alkyl-3-methylimidazolium bromide, in aqueous d-xylose solutions,*Fluid Phase Equilibria*,2012 05 01.
215. Shekaari, H. , Mansoori, Y. , Kazempour, A.,Conductance behavior of ionic liquids, 1-alkyl-3-methylimidazolium bromide, in aqueous d-xylose solutions,*Electrochimica Acta*,2012 04 15.
216. Shekaari, H. , Bezaatpour, A. , Elhami, R.,Volumetric and viscometric studies of N, N'-bis(salicylaldehyde)-1,3- diaminopropane Schiff base (Salpr) in ionic liquid + DMF solutions,*Journal of Solution Chemistry*,2012 04 05.
217. Shekaari, H. , Kazempour, A. , Ghasedi , Khajeh, Z.,Structure-making tendency of ionic liquids in the aqueous d-glucose solutions,*Fluid Phase Equilibria*,2012 02 25.
218. Shekaari, H. , Bezaatpour, A. , Elhami , Kalvanagh, R.,Thermodynamic properties of salophen schiff base + ionic liquid ([C nmIm][Br]) + dimethylformamide ternary mixtures at 298.15 K,*Journal of Chemical and Engineering Data*,2012 02 09.
219. Shekaari, H. , Bezaatpour, A. , Khoshalhan, M.,Thermophysical properties of ionic liquid, 1-hexyl-3-methylimidazolium bromide + N-N'bis(2-pyridylmethylidene)-1,2-diiminoethane (BPIE) Schiff base + N,N-dimethylformamide solutions,*Thermochimica Acta*,2012 01 29.
220. Mansoori, Y. et al.,Polyamides with pendant 1,3,4-oxadiazole and pyridine moieties,*Chinese Journal of Polymer Science (English Edition)*,2012 01 28.
221. Shekaari, H. , Bezaatpour, A. , Soltanpour, A.,Thermodynamic properties of vanadyl (N,N'-salicylideneethylendiamine) Schiff base complex in ionic liquid+N,N-dimethylacetamide solutions,*Fluid Phase Equilibria*,2012 01 25.
222. Shekaari H et al.,Fabrication of PbS-PEG hybrid nanocomposite infrared detectors,*Asia Communications and Photonics Conference*,2012 01 22.
223. Mansoori, Y. et al.,Optics InfoBase Conference Papers,*Polymer Bulletin*,2012 01 18.
224. Quantum dot and star like lead sulfide for infrared radiation detection,2011 Asia Communications and Photonics Conference and Exhibition, ACP 2011,2011 11 21.
225. Zinc oxide nanoplates for ultraviolet radiation detection,*Optics InfoBase Conference Papers*,2011 11 21.
226. Dolatyari, M. , Miri, S. , Shekaari, H. , Bakhtiari, A. , Rostami, A.,Quantum dot and star like lead sulfide for infrared radiation detection,*Proceedings of SPIE - The International Society for Optical*

Engineering,2011 11 19.

227. Zinc oxide nanoplates for ultraviolet radiation detection,Proceedings of SPIE - The International Society for Optical Engineering,2011 11 09.
228. Zinc oxide nanoplates for ultraviolet radiation detection,Asia Communications and Photonics Conference and Exhibition,2011 11 04.
229. Shekaari, H. , Bezaatpour, A. , Khoshalhan, M.,Effect of N, N'-bis(2-pyridylmethylidene)-1,2-diiminoethane (BPIE) schiff base on the thermophysical properties of ionic liquids in N, N - dimethylformamide solutions at 298.15 K,Journal of Chemical and Engineering Data,2011 10 27.
230. Shekaari, H. ,& Kazempour, A,Effect of ionic liquid, 1-octyl-3-methylimidazolium bromide on the thermophysical properties of aqueous d-glucose solutions at 298.15K,Fluid Phase Equilibria,2011 10 07.
231. Shekaari, H. ,& Kazempour, A.,Solution properties of ternary D-glucose+1-ethyl-3-methylimidazolium ethyl sulfate+water solutions at 298.15 K,Journal of Solution Chemistry,2011 09 26.
232. Shekaari, H. ,& Jebali, F.,Volumetric and conductometric studies of some amino acids in aqueous ionic liquid, 1-hexyl-3-methylimidazolium chloride solutions at 298.15 k,Physics and Chemistry of Liquids,2011 09 06.
233. Shekaari, H. ,& Armanfar, E.,Apparent molar volumes and expansivities of aqueous solutions of ionic liquids, 1-alkyl-3-methylimidazolium alkyl sulfate at T=(298.15-328.15)K,Fluid Phase Equilibria,2011 03 25.
234. Zinc oxide nanoplates for ultraviolet radiation detection,2011 Asia Communications and Photonics Conference and Exhibition,2011 01 29.
235. Quantum dot and star like lead sulfide for infrared radiation detection,Optics InfoBase Conference Papers,2011 01 24.
236. Shekaari, H. , Bezaatpour, A. , Soltanpour, A.,Partial molar volumes of N, N'-1,2-Ethyl-bis(salicyladimine) schiff base (Salen) in organic solvents at T = (283.15 to 318.15) K,Journal of Chemical and Engineering Data,2010 12 09.
237. Sadeghi, R. , Golabiazar, R. , Shekaari, H.,Effect of simple electrolytes on the thermodynamic properties of room temperature ionic liquids in aqueous solutions,Fluid Phase Equilibria,2010 11 24.
238. Shekaari, H. , Sadeghi, R. , Jafari, S.A.,Liquid-liquid equilibria for aliphatic alcohols + dipotassium oxalate + water,Journal of Chemical and Engineering Data,2010 11 11.
239. Shekaari, H. ,& Jebali, F.,Solute-solvent interactions of amino acids in aqueous 1-propyl-3-methylimidazolium bromide ionic liquid solutions at 298.15 K,Journal of Solution Chemistry,2010 09 13.
240. . Shekaari, H. ,& Jebali, F,Densities and electrical conductances of amino acids + ionic liquid ([HMIIm]Br) +H2O mixtures at 298.15K,Fluid Phase Equilibria,2010 08 10.
241. Shekaari, H. , Jebali, F.,Densities, viscosities, electrical conductances, and refractive indices of amino acid + ionic liquid ([BMIm]Br) + water mixtures at 298.15 K,Journal of Chemical and Engineering Data,2010 07 16.
242. Shekaari, H. , Jebali, F. , Sedighehnaz, S.,Effect of L-arginine on electrical conductances of aqueous ionic liquids 1-alkyl-3-methylimidazolium bromide solutions at T = 298.15 K,Analytical and Bioanalytical Electrochemistry,2010 06 21.
243. Shekaari, H. ,& Mousavi, S.S.,Volumetric properties of ionic liquid 1,3-dimethylimidazolium methyl sulfate + molecular solvents at T = (298.15-328.15) K,Fluid Phase Equilibria,2010 05 14.
244. Sadeghi, R. , Golabiazar, R. , Shekaari, H,The salting-out effect and phase separation in aqueous solutions of tri-sodium citrate and 1-butyl-3-methylimidazolium bromide,Journal of Chemical Thermodynamics,2010 03 13.
245. Shekaari, H. ,& Armanfar, E.,Physical properties of aqueous solutions of ionic liquid, 1-propyl-3-methylimidazolium methyl sulfate, at T = (298.15 to 328.15) K,Journal of Chemical and Engineering Data,2010 02 20.
246. Shekaari, H. ,& Mousavi, S.S.,Conductometric studies of aqueous ionic liquids, 1-alkyl-3-

- methylimidazolium halide, solutions at $T = 298.15\text{--}328.15$ K,<https://www.scopus.com/record/display.uri?eid=2-s2.0-70349787146&origin=resultslist>,2009 11 24.
247. Sadeghi, R. , Shekaari, H. , Hosseini, R.,Volumetric and isentropic compressibility behavior of ionic liquid, 1-propyl-3-methylimidazolium bromide in acetonitrile, dimethylformamide, and dimethylsulfoxide at $T = (288.15 \text{ to } 308.15)$ K,International Journal of Thermophysics,2009 09 29.
248. Shekaari, H. ,& Mousavi, S.S.,Measurement and modeling of osmotic coefficients of aqueous solution of ionic liquids using vapor pressure osmometry method,Fluid Phase Equilibria,2009 05 17.
249. Shekaari, H. , Mousavi, S.S. , Mansoori, Y,Thermophysical properties of ionic liquid, 1-pentyl-3-methylimidazolium chloride in water at different temperatures,International Journal of Thermophysics,2009 04 07.
250. Shekaari, H. ,& Mousavi, S.S.,Osmotic coefficients and refractive indices of aqueous solutions of ionic liquids containing 1-butyl-3-methylimidazolium halide at $T = (298.15 \text{ to } 328.15)$ K,Journal of Chemical and Engineering Data,2009 03 04.
251. Sadeghi, R. , Shekaari, H. , Hosseini, R.,Effect of alkyl chain length and temperature on the thermodynamic properties of ionic liquids 1-alkyl-3-methylimidazolium bromide in aqueous and non-aqueous solutions at different temperatures,Journal of Chemical Thermodynamics,2009 02 24.
252. Shekaari, H. ,& Mousavi, S.S.,Influence of alkyl chain on the thermodynamic properties of aqueous solutions of ionic liquids 1-alkyl-3-methylimidazolium bromide at different temperatures,Journal of Chemical Thermodynamics,2009 02 11.
253. Shekaari, H. , Mansoori, Y. , Sadeghi, R.,Density, speed of sound, and electrical conductance of ionic liquid 1-hexyl-3-methyl-imidazolium bromide in water at different temperatures,Journal of Chemical Thermodynamics,2008 5 12.
254. Shekaari, H. , Zafarani , Moattar, M.T.,Volumetric properties of the ionic liquid, 1-butyl-3-methylimidazolium tetrafluoroborate, in organic solvents at $T = 298.15\text{K}$,International Journal of Thermophysics,2008 01 17.
255. Shekaari, H. , Zafarani , Moattar, M.T.,Density and speed of sound of lithium bromide with organic solvents: Measurement and correlation,Journal of Chemical Thermodynamics,2007 10 05.
256. Shekaari, H. , Zafarani , Moattar, M.T.,Osmotic coefficients of some imidazolium based ionic liquids in water and acetonitrile at temperature 318.15 K,Fluid Phase Equilibria,2007 06 20.
257. Zafarani , Moattar, M.T. , Shekaari, H.,Application of Prigogine-Flory-Patterson theory to excess molar volume and speed of sound of 1-n-butyl-3-methylimidazolium hexafluorophosphate or 1-n-butyl-3-methylimidazolium tetrafluoroborate in methanol and acetonitrile,Journal of Chemical Thermodynamics,2006 05 25.
258. Zafarani , Moattar, M.T. , Shekaari, H.,Volumetric and compressibility behaviour of ionic liquid, 1-n-butyl-3-methylimidazolium hexafluorophosphate and tetrabutylammonium hexafluorophosphate in organic solvents at $T = 298.15$ K,Journal of Chemical Thermodynamics,2006 04 15.
259. Zafarani , Moattar, M.T. , Shekaari, H.,Apparent molar volume and isentropic compressibility of ionic liquid 1-butyl-3-methylimidazolium bromide in water, methanol, and ethanol at $T = (298.15 \text{ to } 318.15)$ K,Journal of Chemical Thermodynamics,2005 10 01.
260. Zafarani , Moattar, M.T. , Shekaari, H.,Volumetric and speed of sound of ionic liquid, 1-butyl-3-methylimidazolium hexafluorophosphate with acetonitrile and methanol at $T = (298.15 \text{ to } 318.15)$ K,Journal of Chemical and Engineering Data,2005 09 05.
261. Hemayat Shekaari , Hamid Modarress , L Papei,Experimental and Theoretical Study of Self-Association of Lifgt Alchols in Chloroform by NMR Spectroscopy,Amirkabir (Journal of Science and Technology),2004 5 21.
262. Hemayat Shekaari ,& Hamid Modarress,Nuclear magnetic resonance study of charge transfer complex formation between Silver Nitrate and Benzylcyanide in Solvent Ethylene Glycol,Amirkabir (Journal of Science and Technology),2003 8 23.
263. Hemayat Shekaari , Hamid Modarress , Naser Hadipour,Thermodynamic investigation on self-association of alcohols in carbon tetrachloride by FT-NMR spectroscopy,Journal of Physical Chemistry

A,2003 2 22.