

# Harsh Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

209  
papers

3,574  
citations

147566

31  
h-index

288905

40  
g-index

212  
all docs

212  
docs citations

212  
times ranked

1157  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Investigation on molecular interaction of amino acids in antibacterial drug ampicillin solutions with reference to volumetric and compressibility measurements. <i>Journal of Molecular Liquids</i> , 2012, 173, 130-136.   | 2.3 | 72        |
| 2  | Green Chemistry of Zein Protein Toward the Synthesis of Bioconjugated Nanoparticles: Understanding Unfolding, Fusogenic Behavior, and Hemolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 627-639.   | 3.2 | 69        |
| 3  | Interactions of glycine, L-alanine and L-valine with aqueous solutions of trisodium citrate at different temperatures: A volumetric and acoustic approach. <i>Journal of Chemical Thermodynamics</i> , 2013, 67, 170-180.   | 1.0 | 57        |
| 4  | Effect of l-serine and l-threonine on volumetric and acoustic behaviour of aqueous metformin hydrochloride solutions at T= (305.15, 310.15 and 315.15) K. <i>Journal of Chemical Thermodynamics</i> , 2016, 95, 1-14.   | 1.0 | 55        |
| 5  | Non-ideal behaviour of imidazolium based room temperature ionic liquids in ethylene glycol at T= (298.15 to 318.15) K. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 717-723.   | 1.0 | 52        |
| 6  | Solute-solvent interactions of glycine, l-alanine, and l-valine in aqueous 1-methyl-3-octylimidazolium chloride ionic liquid solutions in the temperature interval (288.15-308.15)K. <i>Thermochimica Acta</i> , 2014, 590, 127-137.  | 1.2 | 50        |
| 7  | Block Copolymer Micelles as Nanoreactors for Self-Assembled Morphologies of Gold Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3028-3039.  | 1.2 | 49        |
| 8  | Thermodynamics of (solute + solute) and (solute + solvent) interactions of homologous series of amino acids with thiamine hydrochloride in aqueous medium at T = (305.15, 310.15, 315.15) K: A volumetric and acoustic approach. <i>Journal of Chemical Thermodynamics</i> , 2016, 102, 48-62.    | 1.0 | 48        |
| 9  | Densities and Speeds of Sound of Antibiotic Drug Chloramphenicol with L-Leucine and Glycyl-L-leucine in Aqueous Medium at T = (288.15-318.15) K: A Volumetric, Ultrasonic, and UV Absorption Study. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 3740-3751.                      | 1.0 | 44        |
| 10 | Densities and Speeds of Sound of L-Serine with Aqueous Solutions of Antibacterial Drugs at Different Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 203-208.   | 1.0 | 43        |
| 11 | Lysozyme Complexes for the Synthesis of Functionalized Biomaterials To Understand Protein-Protein Interactions and Their Biological Applications. <i>Journal of Physical Chemistry C</i> , 2014, 118, 28207-28219.  | 1.5 | 43        |
| 12 | Scrutinizing Self-Assembly, Surface Activity and Aggregation Behavior of Mixtures of Imidazolium Based Ionic Liquids and Surfactants: A Comprehensive Review. <i>Frontiers in Chemistry</i> , 2021, 9, 667941.  | 1.8 | 42        |
| 13 | Apparent molar volumes and transport behavior of glycine and l-valine in aqueous solutions of tripotassium citrate at T=(308.15 and 318.15)K. <i>Journal of Molecular Liquids</i> , 2011, 162, 89-94.   | 2.3 | 41        |
| 14 | Acoustic and thermodynamic study of D-Panthenol in aqueous solutions of glycol at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2018, 126, 137-146.   | 1.0 | 41        |
| 15 | Interionic interactions of glycine, l-alanine, glycyglycine and phenylalanine in aqueous 1-hexyl-3-methylimidazolium chloride ionic liquid solutions at T= (288.15 to 308.15) K: Volumetric, speed of sound and viscometric measurements. <i>Journal of Molecular Liquids</i> , 2016, 218, 68-82. | 2.3 | 40        |
| 16 | Association of Indoor and Outdoor Air Pollutant Level With Respiratory Problems Among Children in an Industrial Area of Delhi, India. <i>Archives of Environmental and Occupational Health</i> , 2007, 62, 75-80.   | 0.7 | 39        |
| 17 | Studies of volumetric and acoustic properties of trisodium citrate and tripotassium citrate in aqueous solutions of N-acetyl glycine at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2013, 59, 173-181.  | 1.0 | 39        |
| 18 | Volumetric, ultrasonic and UV absorption studies on interactions of antibiotic drug chloramphenicol with glycine and its dipeptide in aqueous solutions at T = (288.15-318.15) K. <i>Journal of Chemical Thermodynamics</i> , 2016, 99, 16-29.  | 1.0 | 39        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Mixing Properties for Binary Liquid Mixtures of Methyl <i>tert</i> -Butyl Ether with Propylamine and Dipropylamine at Temperatures from (288.15 to 308.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 1424-1429.                                 | 1.0 | 38        |
| 20 | Interaction of antibacterial drug ampicillin with glycine and its dipeptides analyzed by volumetric and acoustic methods at different temperatures. <i>Thermochimica Acta</i> , 2013, 551, 40-45.  | 1.2 | 38        |
| 21 | Solvation behaviour of biologically active compounds in aqueous solutions of antibacterial drug amoxicillin at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2014, 76, 100-115.  | 1.0 | 38        |
| 22 | Studies of interionic interactions of l-serine/l-threonine in aqueous trilitium citrate solutions using density and speeds of sound measurements at different temperatures. <i>Journal of Molecular Liquids</i> , 2015, 208, 170-182.                                  | 2.3 | 38        |
| 23 | Investigation on Temperature-Dependent Volumetric and Acoustical Properties of Homologous Series of Glycols in Aqueous Sorbitol Solutions. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 3769-3782.  | 1.0 | 38        |
| 24 | Investigations on solute-solvent interactions of amino acids in aqueous solutions of sodium dihydrogen phosphate at different temperatures. <i>Monatshefte für Chemie</i> , 2014, 145, 1063-1082.  | 0.9 | 37        |
| 25 | Volumetric and Acoustic Behavior of d(+)-glucose and d(α)-fructose in Aqueous Trisodium Citrate Solutions at Different Temperatures. <i>Journal of Solution Chemistry</i> , 2016, 45, 1-27.  | 0.6 | 37        |
| 26 | Volumetric, acoustic, viscometric, and spectroscopic properties for binary mixtures of alkoxypropanol with mono, di- and tri-alkylamines at a temperature of 298.15K. <i>Journal of Chemical Thermodynamics</i> , 2006, 38, 1227-1239.                                 | 1.0 | 35        |
| 27 | Solvation behavior of some amino acids in aqueous solutions of non-steroidal anti-inflammatory drug sodium ibuprofen at different temperatures analysed by volumetric and acoustic methods. <i>Journal of Chemical Thermodynamics</i> , 2016, 98, 214-230.             | 1.0 | 35        |
| 28 | FT-IR spectroscopic and micellization studies of cetyltrimethylammonium bromide in aqueous and aqueous solution of ionic liquid (1-butyl-3-methylimidazolium bromide) at different temperatures. <i>Journal of Molecular Liquids</i> , 2018, 249, 227-232.             | 2.3 | 35        |
| 29 | Excess molar volumes and viscosities of binary liquid mixtures of (polyether + ester) systems at 298.15, 308.15, and 318.15 K. <i>Fluid Phase Equilibria</i> , 2001, 181, 17-32.   | 1.4 | 33        |
| 30 | Investigation on molecular interaction of glycols in methanol solutions of methylparaben (methyl 4) <i>Molecular Liquids</i> , 2019, 288, 111014.  | 2.3 | 33        |
| 31 | Effect of dipotassium hydrogen phosphate on thermodynamic properties of glycine and l-alanine in aqueous solutions at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2012, 53, 86-92.   | 1.0 | 31        |
| 32 | Volumetric and ultrasonic studies on interactions of ethylene glycol, diethylene glycol and triethylene glycol in aqueous solutions of glycerol at temperatures T = (293.15 to 308.15) K. <i>Journal of Chemical Thermodynamics</i> , 2018, 125, 93-106.               |     | 31        |
| 33 | Densities and Speeds of Sound of Binary Liquid Mixtures of Somen-Alkoxypropanols with Methyl Acetate, Ethyl Acetate, and n-Butyl Acetate at T = (288.15, 293.15, 298.15, 303.15, and 308.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 225-239. | 1.0 | 30        |
| 34 | Protein mixtures of environmentally friendly zein to understand protein-protein interactions through biomaterials synthesis, hemolysis, and their antimicrobial activities. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 14257-14270.                        | 1.3 | 30        |
| 35 | Solute-solvent interactions of glycine, l-alanine, and l-valine in aqueous 1-methyl imidazolium chloride ionic liquid solutions in the temperature interval (288.15 to 308.15) K. <i>Journal of Chemical Thermodynamics</i> , 2015, 91, 146-155.                       | 1.0 | 30        |
| 36 | Investigations on molecular interaction of some amino acids with the drug levofloxacin in aqueous solution by volumetric and acoustic methods at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2017, 105, 94-104.                                | 1.0 | 30        |

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|----|---|-----|-----------|
| 37 | Volumetric and Ultrasonic Studies on Interactions of Glycols in Aqueous Solutions of Xylitol at Different Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 1435-1446.  | 1.0 | 30        |
| 38 | Volumetric, acoustic, and UV absorption studies on solute-solvent interactions of dipeptides of glycine with aqueous amoxicillin solutions. <i>Thermochimica Acta</i> , 2014, 591, 140-151.   | 1.2 | 29        |
| 39 | Effect of N-acetylglycine on volumetric, acoustic and viscometric behavior of aqueous amoxicillin solutions. <i>Thermochimica Acta</i> , 2014, 583, 49-58.  | 1.2 | 29        |
| 40 | Temperature dependent physicochemical studies of polyethylene glycols (PEG-400 and PEG-4000) in aqueous sorbitol solutions. <i>Journal of Molecular Liquids</i> , 2018, 268, 700-706.   | 2.3 | 29        |
| 41 | Influence of 1-hexyl-3-methylimidazolium bromide ionic liquid on the volumetric and acoustic properties of amino acids (L-alanine and L-phenylalanine) at different temperatures. <i>Journal of Molecular Liquids</i> , 2020, 304, 112666.  | 2.3 | 29        |
| 42 | Excess molar volumes and viscosities of binary mixtures of some n-alkoxyethanols with pyrrolidin-2-one at 298.15 K. <i>Journal of Molecular Liquids</i> , 2001, 94, 163-177.  | 2.3 | 28        |
| 43 | Viscometric measurements of l-serine with antibacterial drugs ampicillin and amoxicillin at different temperatures: (305.15 to 315.15) K. <i>Journal of Molecular Liquids</i> , 2013, 177, 49-53.   | 2.3 | 28        |
| 44 | Development of Biosensors for the Detection of Biological Warfare Agents: Its Issues and Challenges. <i>Science Progress</i> , 2013, 96, 294-308.   | 1.0 | 27        |
| 45 | Surface Adsorption and Molecular Modeling of Biofunctional Gold Nanoparticles for Systemic Circulation and Biological Sustainability. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 3175-3187.  | 3.2 | 27        |
| 46 | Volumetric and ultrasonic investigation of molecular interactions of l-serine and l-threonine in aqueous nicotinamide solutions at T= (288.15-318.15) K. <i>Journal of Molecular Liquids</i> , 2016, 219, 756-764.  | 2.3 | 27        |
| 47 | Title is missing!. <i>Journal of Solution Chemistry</i> , 2001, 30, 411-423.  | 0.6 | 26        |
| 48 | Excess molar volumes and viscosities of mixtures of some n-alkoxyethanols with dialkyl carbonates at 298.15 K. <i>Fluid Phase Equilibria</i> , 1999, 166, 245-258.  | 1.4 | 25        |
| 49 | Mode of Protein Complexes on Gold Nanoparticles Surface: Synthesis and Characterization of Biomaterials for Hemocompatibility and Preferential DNA Complexation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1082-1093.   | 3.2 | 25        |
| 50 | Interaction of cationic surfactant cetyltrimethylammonium bromide (CTAB) with hydrophilic ionic liquid 1-butyl-3-methylimidazolium chloride [C4mim][Cl] at different temperatures - Conductometric and FT-IR spectroscopic study. <i>Journal of Molecular Liquids</i> , 2018, 266, 252-258. | 2.3 | 25        |
| 51 | Thermodynamic Interactions Study of Some Ethylene Glycols in Aqueous Aniline Solutions at Different Temperatures: An Acoustical and Volumetric Approach. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 3237-3251.   | 1.0 | 25        |
| 52 | Volumetric and ultrasonic study of polyethylene glycols in aqueous solutions of niacin at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2021, 154, 106326.  | 1.0 | 25        |
| 53 | Study of Thermodynamic and Acoustic Properties of Niacin in Aqueous Hexylene Glycol and Propylene Glycol at Different Temperatures. <i>ACS Omega</i> , 2020, 5, 32357-32365.  | 1.6 | 25        |
| 54 | Volumetric properties of glycine, l-alanine, and l-valine in aqueous solutions of triammonium citrate at different temperatures. <i>Monatshefte Für Chemie</i> , 2014, 145, 565-575.  | 0.9 | 24        |

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|----|---|-----|-----------|
| 55 | Aggregation behaviour of cationic (cetyltrimethylammonium bromide) and anionic (sodium) Tj ETQq1 1 0.784314 rgBT /Overlock 10<br>[1-pentyl-3-methylimidazolium bromide] -Conductivity and FT-IR spectroscopic studies. Journal of Molecular Liquids, 2018, 258, 285-294.  | 2.3 | 24        |
| 56 | Acoustical and volumetric investigation of polyethylene glycol 400 and polyethylene glycol 4000 in aqueous solutions of glycerol at different temperatures. Journal of Chemical Thermodynamics, 2018, 127, 8-16.  | 1.0 | 24        |
| 57 | Interactions of amino acids in aqueous triammonium citrate solutions at different temperatures: A viscometric approach. Journal of Molecular Liquids, 2014, 199, 385-392.   | 2.3 | 23        |
| 58 | Transport behavior of aliphatic amino acids glycine/l-alanine/l-valine and hydroxyl amino acids l-serine/l-threonine in aqueous trilithium citrate solutions at different temperatures. Journal of Molecular Liquids, 2015, 206, 343-349.   | 2.3 | 23        |
| 59 | Volumetric, acoustic and viscometric behaviour of dipotassium hydrogen phosphate and disodium hydrogen phosphate in aqueous solution of N-acetyl glycine at different temperatures. Journal of Chemical Thermodynamics, 2016, 94, 204-220.  | 1.0 | 23        |
| 60 | Synthesis and study of interactions of ionic liquid 1-methyl-3-pentylimidazolium bromide with amino acids at different temperatures. Journal of Molecular Liquids, 2017, 242, 560-570.  | 2.3 | 23        |
| 61 | Molecular interactions of some non-essential amino acids in aqueous solutions of 1-methylimidazolium chloride at different temperatures. Journal of Molecular Liquids, 2019, 279, 711-718.  | 2.3 | 23        |
| 62 | Volumetric, acoustic and infrared spectroscopic study of amino acids in aqueous solutions of pyrrolidinium based ionic liquid, 1-butyl-1-methyl pyrrolidinium bromide. Journal of Molecular Liquids, 2020, 303, 112592.   | 2.3 | 23        |
| 63 | Densities, Sound Speed, and UV Absorption Studies of Trisodium Citrate and Tripotassium Citrate in Aqueous Solutions of 1-Hexyl-3-methylimidazolium Chloride [C <sub>6</sub> mim][Cl]. Journal of Chemical & Engineering Data, 2014, 59, 4049-4061.   | 1.0 | 22        |
| 64 | Densities, Sound Speed, and Viscosities of Some Amino Acids with Aqueous Tetra-Butyl Ammonium Iodide Solutions at Different Temperatures. Journal of Chemical & Engineering Data, 2015, 60, 2600-2611.  | 1.0 | 22        |
| 65 | Interionic Interactions of Aqueous Mixtures of Ionic Liquid 1-Hexyl-3-methylimidazolium Chloride with Phosphate Salts at $T = (288.15 \text{ to } 308.15) \text{ K}$ : Volumetric, Acoustic and UV Absorption Studies. Journal of Chemical & Engineering Data, 2015, 60, 2937-2950.                                 | 1.0 | 22        |
| 66 | Temperature dependence of the volumetric properties of some alkoxypropanols+n-alkanol mixtures. Journal of Chemical Thermodynamics, 2004, 36, 173-182.  | 1.0 | 21        |
| 67 | Volumetric, acoustic and spectroscopic studies (FT-IR) of trisodium (TSC) and tripotassium citrate (TPC) in aqueous solution of ionic liquid 1-butyl-3-methylimidazolium tetrafluoro borate [C <sub>4</sub> mim][BF <sub>4</sub> ] at different temperatures. Journal of Chemical Thermodynamics, 2018, 116, 85-96. | 1.0 | 21        |
| 68 | Acoustic, volumetric and spectral studies of binary liquid mixtures of aliphatic dialkylamine and 2-alkanols at different temperatures. Journal of Chemical Thermodynamics, 2019, 132, 1-8.   | 1.0 | 21        |
| 69 | Temperature-Dependent Thermodynamic Properties of Amino Acids in Aqueous Imidazolium-Based Ionic Liquid. Journal of Chemical & Engineering Data, 2020, 65, 1473-1487.   | 1.0 | 21        |
| 70 | Temperature-dependent physicochemical studies of some glycols in aqueous d-mannitol solution. Chemical Papers, 2021, 75, 1497-1506.   | 1.0 | 21        |
| 71 | Modulations in Self-Organization Properties of Surfactant in Aqueous Ionic Liquid Media. Zeitschrift Fur Physikalische Chemie, 2020, 234, 1603-1621.  | 1.4 | 21        |
| 72 | Excess molar volumes, and viscosities of tetraethylene glycol dimethyl ether with methyl acetate, ethyl acetate, and propyl acetate at (298.15, 308.15, and 318.15) K. Journal of Molecular Liquids, 2000, 89, 189-206.   | 2.3 | 20        |

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|----|--|-----|-----------|
| 73 | Density and speed of sound for binary mixtures of 1,4-dioxane with propanol and butanol isomers at different temperatures. <i>Journal of Molecular Liquids</i> , 2013, 187, 278-286.   | 2.3 | 20        |
| 74 | A highly efficient and magnetically retrievable functionalized nano-adsorbent for ultrasonication assisted rapid and selective extraction of Pd <sup>2+</sup> ions from water samples. <i>RSC Advances</i> , 2015, 5, 43371-43380.                               | 1.7 | 20        |
| 75 | Densities and Speeds of Sound of Glycine, L-Alanine, and L-Valine in Aqueous 1-Ethyl-3-methylimidazolium Chloride Solutions at Different Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , 2015, 60, 1217-1226.                                  | 1.0 | 20        |
| 76 | Excess Molar Volumes and Viscosities of Mixtures Containing Some Polyethers + Acetonitrile at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 1999, 44, 1330-1334.   | 1.0 | 19        |
| 77 | Volumetric and Acoustic Studies of Binary Liquid Mixtures of Dipropylene Glycol Dimethyl Ether with Methyl Acetate, Ethyl Acetate and n-Butyl Acetate in the Temperature Range T=(288.15, 293.15, 298.15) K. <i>J. Chem. Thermodyn.</i> 2014, 46, 1078-1084.     | 1.0 | 14        |
| 78 | Acoustical Studies of Binary Liquid Mixtures of Cyclopentane with 1-Alkanol at Different Temperatures and Different Approaches for Ideal Mixing Laws. <i>Journal of Solution Chemistry</i> , 2010, 39, 967-986.  | 0.6 | 18        |
| 79 | Thermodynamics of binary liquid mixtures of cyclopentane with 2-propanol, 1-butanol and 2-butanol at different temperatures. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 105, 1071-1080.  | 2.0 | 17        |
| 80 | Study of solute-solute and solute-solvent interactions of N-acetyl glycine in aqueous d-fructose solutions at different temperatures. <i>Thermochimica Acta</i> , 2015, 607, 1-8.  | 1.2 | 17        |
| 81 | Effect of temperature on viscometric properties of aliphatic amino acids glycine/l-alanine/l-valine in aqueous solutions of tetraethylammonium iodide. <i>Journal of Molecular Liquids</i> , 2016, 216, 516-525.   | 2.3 | 17        |
| 82 | Volumetric and ultrasonic studies of molecular interactions of glycols in aqueous glutaraldehyde solutions at different temperatures. <i>Journal of Molecular Liquids</i> , 2020, 315, 113763.   | 2.3 | 17        |
| 83 | Volumetric properties of binary mixtures of 2-alkoxyethanols with N,N-dimethylformamide and N,N-dimethylacetamide at 298.15 K. <i>Journal of Molecular Liquids</i> , 2003, 108, 231-255.   | 2.3 | 16        |
| 84 | Acoustic, Viscometric, and Spectroscopic Studies of Dipropylene Glycol Monopropyl Ether with n-Alkanols at Temperatures of 288.15, 298.15, and 308.15 K. <i>Journal of Solution Chemistry</i> , 2011, 40, 786-802.   | 0.6 | 16        |
| 85 | Solvation behavior of some amino acid compounds in aqueous solutions of trilithium citrate at different temperatures. <i>Journal of Molecular Liquids</i> , 2014, 197, 301-314.  | 2.3 | 16        |
| 86 | Conductometric and spectroscopic studies of cetyltrimethylammonium bromide in aqueous solutions of imidazolium based ionic liquid 1-butyl-3-methylimidazolium tetrafluoroborate. <i>Journal of Molecular Liquids</i> , 2015, 211, 1018-1025.                     | 2.3 | 16        |
| 87 | Study of interactions of d(+)-glucose and d(âˆ—)-fructose with trilithium citrate in aqueous medium through volumetric and ultrasonic properties over the temperature range T=(288.15âˆ“318.15) K. <i>Journal of Chemical Thermodynamics</i> , 2017, 106, 59-70. | 1.0 | 16        |
| 88 | Temperature-dependent thermodynamic and physicochemical studies of glycols in aqueous biotin solutions. <i>Journal of Molecular Liquids</i> , 2021, 337, 116605.   | 2.3 | 16        |
| 89 | Speeds of Sound and Isentropic Compressibilities of n-Alkoxyethanols and Polyethers with Propylamine at 298.15 K. <i>International Journal of Thermophysics</i> , 2006, 27, 777-793.   | 1.0 | 15        |
| 90 | Viscometric studies of binary liquid mixtures of cyclopentane (1) +2-propanol (2), +1-butanol (2), and +2-butanol (2) at T=(298.15 and 308.15) K. <i>Journal of Molecular Liquids</i> , 2011, 158, 182-186.  | 2.3 | 15        |



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|-----|---|-----|-----------|
| 91  | Volumetric and ultrasonic investigation of polyethylene glycols (PEG-200 and PEG-600) in aqueous solutions of sodium methylparaben at various temperatures. <i>Journal of Chemical Thermodynamics</i> , 2020, 140, 105916.  | 1.0 | 15        |
| 92  | Exploration of the soluting-out effect of carbohydrates on the micellization and surface activity of long-chain imidazolium ionic liquid in the aqueous medium. <i>Journal of Molecular Liquids</i> , 2020, 319, 114209.  | 2.3 | 15        |
| 93  | Volumetric and acoustic properties of amino acids L-Leucine and L-Serine in aqueous solution of ammonium dihydrogen phosphate (ADP) at different temperatures and concentrations. <i>Journal of Chemical Thermodynamics</i> , 2021, 155, 106350.  | 1.0 | 15        |
| 94  | Volumetric and Surface Properties of Aqueous Mixtures of Polyethers at $T = (298.15, 308.15, \text{ and } 318.15) \text{ K}$ . <i>Journal of Molecular Liquids</i> , 2013, 179, 67-71.  | 2.3 | 14        |
| 95  | Volumetric, Compressibility and UV Spectral Studies on Interactions of Amino Acids with Aqueous Solutions of Potassium Dihydrogen Phosphate at Different Temperatures. <i>Journal of Solution Chemistry</i> , 2013, 42, 592-614.  | 0.6 | 14        |
| 96  | Studies on Intermolecular Interactions in Liquid Mixtures of Alkoxyalkanols and Branched Alcohols by Volumetric and Acoustic Measurements at Different Temperatures. <i>Journal of Solution Chemistry</i> , 2013, 42, 428-440.  | 0.6 | 14        |
| 97  | Transport behavior of L-alanine, L-valine and L-leucine in ampicillin solutions over temperature range (305.15 to 315.15) K. <i>Journal of Molecular Liquids</i> , 2013, 179, 67-71.  | 2.3 | 14        |
| 98  | Investigation on molecular interaction of amino acids in aqueous disodium hydrogen phosphate solutions with reference to volumetric and compressibility measurements. <i>Journal of Chemical Thermodynamics</i> , 2014, 70, 190-202.  | 1.0 | 14        |
| 99  | Viscometric measurements of dipeptides of alanine in aqueous solutions of antibacterial drug ampicillin at different temperatures. <i>Journal of Molecular Liquids</i> , 2014, 191, 183-188.  | 2.3 | 14        |
| 100 | Solute solvent interactions of mono saccharides D(±)-ribose and D(+)-xylose in aqueous trisodium citrate solutions at different temperatures. <i>Journal of Molecular Liquids</i> , 2015, 211, 604-612.   | 2.3 | 14        |
| 101 | Study of thermodynamic properties of sodium dodecyl sulphate in aqueous solutions of alkoxyalkanols at different temperatures. <i>Journal of Molecular Liquids</i> , 2016, 221, 526-534.  | 2.3 | 14        |
| 102 | Study of solvation consequences of glycine, L-alanine and L-valine in aqueous 1-butyl-4-methyl pyridinium chloride ionic liquid solutions probed by physicochemical approach in the temperature interval (288.15–308.15) K. <i>Journal of Chemical Thermodynamics</i> , 2017, 110, 137-153. | 1.0 | 14        |
| 103 | Exploring molecular interactions of aliphatic ±-amino acids glycine, L-alanine, L-valine in aqueous potassium oxalate solutions from 288.15 K to 318.15 K through thermo-acoustical analysis. <i>Journal of Molecular Liquids</i> , 2017, 244, 27-38.                                       | 2.3 | 14        |
| 104 | Effect of proteinogenic amino acids L-serine/L-threonine on volumetric and acoustic behavior of aqueous 1-butyl-3-propyl imidazolium bromide at $T = (288.15, 298.15, 308.15, 318.15) \text{ K}$ . <i>Journal of Chemical Thermodynamics</i> , 2020, 150, 106211.                           | 1.0 | 14        |
| 105 | Volumetric and ultrasonic studies of molecular interactions of glycols in aqueous Niacin (vitamin) solutions. <i>Journal of Molecular Liquids</i> , 2017, 244, 27-38.   | 2.3 | 14        |
| 106 | Micellization, surface activities, and thermodynamic studies on the ionic liquid in the presence of vitamins. <i>Journal of Molecular Liquids</i> , 2022, 359, 119152.  | 2.3 | 14        |
| 107 | Thermodynamic properties of glycine and diglycine in aqueous solutions of 1-pentyl-3-methylimidazolium chloride at different temperatures. <i>Journal of Molecular Liquids</i> , 2017, 229, 417-423.  | 2.3 | 13        |
| 108 | Studies on the interactions behaviour of polyhydroxy solutes d (+)-glucose and d (±)-fructose in aqueous triammonium citrate solutions over temperature range $T = (288.15–318.15) \text{ K}$ . <i>Journal of Chemical Thermodynamics</i> , 2018, 119, 1-12.                                | 1.0 | 13        |

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|-----|--|-----|-----------|
| 109 | Naringinâ€“Chalcone Bioflavonoid-Protected Nanocolloids: Mode of Flavonoid Adsorption, a Determinant for Protein Extraction. ACS Omega, 2018, 3, 15606-15614.  | 1.6 | 13        |
| 110 | Applications of rice protein in nanomaterials synthesis, nanocolloids of rice protein, and bioapplicability. International Journal of Biological Macromolecules, 2018, 120, 394-404.   | 3.6 | 13        |
| 111 | Effect of $\pm$ amino acids (glycine, l-alanine, l-valine and l-leucine) on volumetric and acoustic properties of aqueous 1-Butyl-3-propylimidazolium bromide at T=(288.15, 298.15, 308.15, 318.15) K. Journal of Chemical Thermodynamics, 2021, 158, 106433.                | 1.0 | 13        |
| 112 | Scrutinizing the Micellization Behaviour of 14-2-14 Gemini Surfactant and Tetradecyltrimethylammonium Bromide in Aqueous Solutions of Betaine Hydrochloride Drug. Journal of Molecular Liquids, 2021, 338, 116642.   | 2.3 | 13        |
| 113 | Viscometric studies of binary liquid mixtures of cyclopentane (1)+1-alkanol (2) at (298.15, 308.15, and) Tj ETQq1 1,0,784314 rgBT /Ove   | 2.3 | 12        |
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