

## PUBLICATIONS OF Dr.M.SRINIVASA REDDY, LECTURER IN CHEMISTRY

S.No	Authors	Title	Publication	Volume	Pages	Year	Publisher	Thomson Reuters Impact factor
1	Prathipati, Sowjanya; Rao, V Srinivasa; <b>Munnangi Srinivasa Reddy</b> ; Gopisetty, R Satyanarayana; Alam, Mohammed Mujahid; Bollikolla, Hari Babu;	The study of intermolecular interactions in [Bmim][PF6]+ 1-octyl-2-pyrrolidone binary mixtures from volumetric, acoustic, optical and spectroscopic measurements	The Journal of Chemical Thermodynamics ( <a href="https://www.sciencedirect.com/science/article/abs/pii/S0021961422002312">https://www.sciencedirect.com/science/article/abs/pii/S0021961422002312</a> )	179	106952	2023	Elsevier	<b>3.269</b>
2	Rayinuthala, Yesupadamu; Raju, David; <b>Munnangi Srinivasa Reddy</b> ; Md, Nayeem Sk; Md, Rameez Arhan Sk;	Investigations on molecular interactions of memantine hydrochloride in aqueous solutions by thermophysical methods and molecular dynamics simulations at different temperatures	Journal of the Indian Chemical Society ( <a href="https://www.sciencedirect.com/science/article/abs/pii/S0019452223000900">https://www.sciencedirect.com/science/article/abs/pii/S0019452223000900</a> )	100	100967	2023	Elsevier	<b>0.243</b>
3	Md Nayeem, Sk; Sohail, E Mohammed; Srihari, NV; Indira, P; <b>Munnangi Srinivasa Reddy</b> ;	Target SARS-CoV-2: theoretical exploration on clinical suitability of certain drugs	Journal of Biomolecular Structure and Dynamics ( <a href="https://www.tandfonline.com/doi/abs/10.1080/07391102.2021.1924262">https://www.tandfonline.com/doi/abs/10.1080/07391102.2021.1924262</a> )	40	8905-8912	2022	Taylor & Francis	<b>5.235</b>
4	Nayeem, Shaik Mohammad; Sohail, Ershad Mohammed; Sudhir, Gajjela Priyanka; <b>Munnangi Srinivasa Reddy</b> ;	Computational and theoretical exploration for clinical suitability of Remdesivir drug to SARS-CoV-2	European Journal of Pharmacology ( <a href="https://www.sciencedirect.com/science/article/pii/S0014299920307342">https://www.sciencedirect.com/science/article/pii/S0014299920307342</a> )	890	173642	2021	Elsevier	<b>4.96</b>

5	Prathipati, Sowjanya; Vipparla, Srinivasa Rao; <b>Munnangi Srinivasa Reddy</b> ; Sk, Md Nayeem; Bollikolla, Hari Babu;	A molecular interactions study between 1-butyl-3-methylimidazolium hexafluorophosphate ([Bmim][PF <sub>6</sub> ]) and N-methylpyrrolidone	The Journal of Chemical Thermodynamics ( <a href="https://www.sciencedirect.com/science/article/abs/pii/S0021961420305930">https://www.sciencedirect.com/science/article/abs/pii/S0021961420305930</a> )	154	106330	2021	<b>Elsevier</b>	<b>3.05</b>
6	Nayeem, Sk Md; Sohail, Ershad Mohammed; Ridhima, G; <b>Munnangi Srinivasa Reddy</b> ;	Target SARS-CoV-2: computation of binding energies with drugs of dexamethasone/umifenovir by molecular dynamics using OPLS-AA force field	Research on Biomedical Engineering ( <a href="https://link.springer.com/article/10.1007/s42600-020-00119-y">https://link.springer.com/article/10.1007/s42600-020-00119-y</a> )	38	117 - 126	2021	<b>Springer</b>	<b>1.8</b>
7	Prathipati, Sowjanya; Aangothu, Sreenivasa Rao; <b>Munnangi Srinivasa Reddy</b> ; Krishna Khandapu, Bala Murali; Bollikolla, Hari Babu;	Volumetric, ultrasonic, spectroscopic, and molecular dynamics simulations studies of molecular interactions in binary mixtures of [EMIm][NTf <sub>2</sub> ] with 2-propoxyethanol at temperatures from 298.15 to 318.15 K	Journal of Chemical & Engineering Data ( <a href="https://pubs.acs.org/doi/abs/10.1021/acs.jced.0c00138">https://pubs.acs.org/doi/abs/10.1021/acs.jced.0c00138</a> )	65	3566-3578	2020	<b>American Chemical Society</b>	<b>2.85</b>
8	Vani Latha, S; Little Flower, G; <b>Munnangi Srinivasa Reddy</b> ; Yugandhar Raju, L; Nageswara Rao, CV; Ratnakar, A;	Thermo physical, optical and spectroscopic perspectives of molecular interactions in binary mixtures of Ethyl Lactate and Dimethyl Adipate at T= 303.15–318.15 K and atmospheric pressure	Physics and Chemistry of Liquids ( <a href="https://www.tandfonline.com/doi/abs/10.1080/00319104.2018.1531408">https://www.tandfonline.com/doi/abs/10.1080/00319104.2018.1531408</a> )	57	816-839	2019	<b>Taylor &amp; Francis</b>	<b>1.57</b>

9	Aangothu, Sreenivasa Rao; <b>Munnangi Srinivasa Reddy</b> ; Bollikolla, Hari Babu;	An experimental investigation of molecular interactions between [Emim][triflate] ionic liquid & 2-alkoxyethanols and theoretical comparison by PFP theory	The Journal of Chemical Thermodynamics ( <a href="https://www.sciencedirect.com/science/article/abs/pii/S0021961418310905">https://www.sciencedirect.com/science/article/abs/pii/S0021961418310905</a> )	138	43-50	2019	<b>Elsevier</b>	<b>2.86</b>
10	Srinivasa Rao, V; <b>Munnangi Srinivasa Reddy</b> ; Srinivasa Rao, A; Pushpa Raju, G; Raju, K Thomas SS; Hari Babu, B;	Volumetric, acoustic, optical and spectroscopic studies of binary mixtures of the ionic liquid, 1-butyl-3-methyl imidazolium bis (trifluoromethylsulfonyl) imide and diethyl carbonate	Physics and Chemistry of Liquids ( <a href="https://www.tandfonline.com/doi/abs/10.1080/00319104.2017.1337766">https://www.tandfonline.com/doi/abs/10.1080/00319104.2017.1337766</a> )	56	332-352	2018	<b>Taylor &amp; Francis</b>	<b>1.34</b>
11	Aangothu, Sreenivasa Rao; Khan, Imran; <b>Munnangi, Srinivasa Reddy</b> ; Bollikolla, Hari Babu;	Elucidation of molecular interactions between ionic liquid [Emim][triflate] with 2-methoxyethanol & N-methylpyrrolidone: Experimental and COSMO-RS studies	Journal of Molecular Liquids ( <a href="https://www.sciencedirect.com/science/article/abs/pii/S0167732217353886">https://www.sciencedirect.com/science/article/abs/pii/S0167732217353886</a> )	251	286-295	2018	<b>Elsevier</b>	<b>4.77</b>
12	<b>Munnangi Srinivasa Reddy</b> ; Srinivasa Rao, G; Md Nayeem, SK; Raju, KTSS; Hari Babu, B;	Thermophysical investigations and prediction of calorimetric potentials in binary mixture of 1-butyl-3-methylimidazolium trifluoromethanesulfonate with 1-pentanol	Journal of Thermal Analysis and Calorimetry ( <a href="https://link.springer.com/article/10.1007/s10973-017-6887-y">https://link.springer.com/article/10.1007/s10973-017-6887-y</a> )	132	725-739	2018	<b>Springer</b>	<b>2.51</b>
13	Srinivasa Rao, V; <b>Munnangi Srinivasa Reddy</b> ; Raju, K Thomas SS; Rani, BL; Hari Babu, B;	The Study of Solute–Solvent Interactions in 1-Butyl-3-Methylimidazolium Hexafluorophosphate+ 2-Pyrrolidone from Volumetric, Acoustic, Optical and Spectral Properties	Journal of Solution Chemistry ( <a href="https://link.springer.com/article/10.1007/s10953-018-0729-9">https://link.springer.com/article/10.1007/s10953-018-0729-9</a> )	47	430-448	2018	<b>Springer</b>	<b>1.02</b>

14	Suneetha, P., T. S. Krishna, M. Gowrisankar, <b>Munnangi Srinivasa Reddy</b> , and D. Ramachandran;	Volumetric, acoustic and spectroscopic approaches to understand the molecular interactions between 1-butyl-3-methylimidazolium hexafluorophosphate and N-vinyl-2-pyrrolidinone	Journal of Thermal Analysis and Calorimetry ( <a href="https://link.springer.com/article/10.1007/s10973-018-7427-0">https://link.springer.com/article/10.1007/s10973-018-7427-0</a> )	134	1151-1167	2018	<b>Springer</b>	<b>2.51</b>
15	Sreenivasa Rao A., <b>Munnangi Srinivasa Reddy</b> , Pushpa Raj G., Sreenivasa Rao M., Raju K.Thomas S S & Hari Babu;	Molecular interaction studies of binary mixture formed by 2-methoxyethanol and 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide-based ionic liquid	Physics and Chemistry of Liquids ( <a href="https://www.ingentaconnect.com/content/tandf/gpch/2019/00000057/00000004/art0011">https://www.ingentaconnect.com/content/tandf/gpch/2019/00000057/00000004/art0011</a> )	57	547-564	2018	<b>Taylor &amp; Francis</b>	<b>1.34</b>
16	<b>Munnangi Srinivasa Reddy</b> ; Raju, K Thomas SS; Md Nayeem, Sk; Bala Murali Krishna, K; Bollikolla, Hari Babu;	Molecular interaction studies in the binary mixture of 1-ethyl-3-methylimidazolium trifluoromethanesulphonate+1-butanol from density, speed of sound and refractive index measurements	Physics and Chemistry of Liquids ( <a href="https://www.tandfonline.com/doi/abs/10.1080/00319104.2017.1279615">https://www.tandfonline.com/doi/abs/10.1080/00319104.2017.1279615</a> )	55	775-795	2017	<b>Taylor &amp; Francis</b>	<b>1.15</b>
17	T. Vijaya Durga, A. Rambabu, <b>Munnangi Srinivasa Reddy</b> , Hari Babu Bollikolla;	[TPA][Pro] ionic liquid as efficient reaction medium for N-tert-Boc protection of amines	Asian Journal of Chemistry ( <a href="https://asianjournalofchemistry.co.in/User/SearchArticle.aspx?Volume=29&amp;Issue=6&amp;Article=29_6_25&amp;Criteria=Search..">https://asianjournalofchemistry.co.in/User/SearchArticle.aspx?Volume=29&amp;Issue=6&amp;Article=29_6_25&amp;Criteria=Search..</a> )	29	1313-1316	2017	<b>Asian Journal of Chemistry</b>	<b>0.24</b>
19	Rao, V Srinivasa; <b>Munnangi Srinivasa Reddy</b> ; Raju, K Thomas SS; Babu, B Hari;	Investigation of intermolecular interactions in binary liquid mixtures of [Bmim][NTf <sub>2</sub> ] and propylene carbonate at different temperatures using ultrasonic, optical and FT-IR studies	Karbala International Journal of Modern Science ( <a href="https://www.sciencedirect.com/science/article/pii/S2405609X17302051">https://www.sciencedirect.com/science/article/pii/S2405609X17302051</a> )	3	279-286	2017	<b>Elsevier</b>	<b>1.69</b>

20	Munnangi Srinivasa Reddy; Sk, Md Nayeem; Raju, KTSS;	The study of solute–solvent interactions in 1-ethyl-3-methylimidazolium ethylsulfate+ 2-ethoxyethanol from density, speed of sound and refractive index measurements	Journal of Molecular Liquids ( <a href="https://www.sciencedirect.com/science/article/abs/pii/S0167732215309922">https://www.sciencedirect.com/science/article/abs/pii/S0167732215309922</a> )	218	83-94	2016	Elsevier	3.89
21	Munnangi Srinivasa Reddy; Khan, Imran; Raju, K Thomas SS; Suresh, P; Babu, B Hari;	The study of molecular interactions in 1-ethyl-3-methylimidazolium trifluoromethanesulfonate+ 1-pentanol from density, speed of sound and refractive index measurements	The Journal of Chemical Thermodynamics ( <a href="https://www.sciencedirect.com/science/article/abs/pii/S0021961416000999">https://www.sciencedirect.com/science/article/abs/pii/S0021961416000999</a> )	98	298-308	2016	Elsevier	2.71
22	Munnangi Srinivasa Reddy; Nayeem, Sk Md; Soumini, C; Raju, K Thomas SS; Babu, B Hari;	Study of molecular interactions in binary liquid mixtures of [Emim][BF4] with 2-methoxyethanol using thermo acoustic, volumetric and optical properties	Thermochimica Acta ( <a href="https://www.sciencedirect.com/science/article/abs/pii/S0040603116300223">https://www.sciencedirect.com/science/article/abs/pii/S0040603116300223</a> )	630	37-49	2016	Elsevier	2.51
23	Munnangi Srinivasa Reddy; Nayeem, Sk Md; Raju, KTSS; Hari Babu, B;	The study of solute–solvent interactions in 1-ethyl-3-methylimidazolium tetrafluoroborate+ 2-ethoxyethanol from density, speed of sound, and refractive index measurements	Journal of Thermal Analysis and Calorimetry ( <a href="https://link.springer.com/article/10.1007/s10973-015-5205-9">https://link.springer.com/article/10.1007/s10973-015-5205-9</a> )	124	959-971	2016	Springer	1.95
24	Nayeem, Sk Md; Kondaiah, M; Sreekanth, K; Munnangi Srinivasa Reddy; Krishna Rao, D;	Thermoacoustic, volumetric, and viscometric investigations in the binary mixtures of 1, 4-dioxane with n-hexane or n-heptane or n-octane	Journal of Thermal Analysis and Calorimetry ( <a href="https://link.springer.com/article/10.1007/s10973-015-4994-1">https://link.springer.com/article/10.1007/s10973-015-4994-1</a> )	123	2241-2255	2016	Springer	1.95

25	<b>Munnangi Srinivasa Reddy;</b> Raju, K Thomas SS; Rao, A Sreenivasa; Sharmila, N; Babu, B Hari;	Study of thermophysical properties of the binary mixtures of ionic liquid 1-ethyl-3-methylimidazolium ethylsulfate and 2-propoxyethanol from T=(298.15 to 328.15) K at atmospheric pressure	The Journal of Chemical Thermodynamics ( <a href="https://www.sciencedirect.com/science/article/abs/pii/S0021961416300118">https://www.sciencedirect.com/science/article/abs/pii/S0021961416300118</a> )	101	139-149	2016	<b>Elsevier</b>	<b>2.71</b>
26	<b>Munnangi Srinivasa Reddy;</b> Raju, K Thomas SS; Nayeem, Sk Md; Khan, Imran; Krishana, KBM; Babu, B Hari;	Excess thermodynamic properties for binary mixtures of ionic liquid 1-ethyl-3-methylimidazolium ethyl sulfate and 2-methoxyethanol from T=(298.15 to 328.15) K at atmospheric pressure	Journal of Solution Chemistry ( <a href="https://link.springer.com/article/10.1007/s10953-016-0465-y">https://link.springer.com/article/10.1007/s10953-016-0465-y</a> )	45	675-701	2016	<b>Springer</b>	<b>1.256</b>
27	<b>Munnangi Srinivasa Reddy;</b> Babu, B Hari;	Determination of lafutidine through oxidative coupling reaction in bulk sample and dosage forms-a new approach	International Journal of Pharmaceutical Sciences and Research (Link)	6	2626	2015	<b>International Journal of Pharmaceutical Sciences and Research</b>	-