

BIO-DATA

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2. Email(s) and contact number(s) : munnangi.sreddy@gmail.com
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3. Institution : DS Government Degree College for Women,
Ongole- 523001
Prakasam Dist., Andhra Pradesh.
4. Date of Birth : 16-08-1970
5. Academic Qualification (Undergraduate Onwards)

	Degree	Year	Subject	University/Institution	% of marks
1.	B.Sc	1989	MPC	Acharya Nagarjuna University	73.75
2.	M.Sc	1993	Chemistry	Andhra University	70.5
3.	M. Phil	2012	Chemistry	Acharya Nagarjuna University	-
4.	Ph.D	2016	Chemistry	Acharya Nagarjuna University	-

5. Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award.
Title : "***Molecular interaction studies in binary liquid mixtures of some imidazolium ionic liquids with 1-alkanols/2-alkoxyethanols using thermo acoustic, volumetric and optical properties***"
Guide : Dr. B. Hari Babu
University : Department of Chemistry, University College of Sciences, Acharya Nagarjuna University, Guntur, Andhra Pradesh.
10. Work experience (in chronological order).

S.No	College	Joiningng Date	Relieving Date
1.	Visvodaya Govt. Degree College, Venkatagiri, SPSR Nellore Dist	11-07-2010	13-04-2012
2.	KRK Govt. Degree College, Addanki, Prakasam Dist	14-04-2012	31-05-2017
3.	TRR Govt. Degree College, Kandukur, Prakasam Dist	01-06-2017	04-10-2021
4.	DS Govt. Degree College for Women, Ongole, Prakasam Dt	05-10-2021	Till date

Publication details:

S.No	Authors	Title	Publication	Volume	Pages	Year	Publisher	Thomson Reuters Impact factor
1	Prathipati, Sowjanya; Rao, V Srinivasa; Munnangi Srinivasa Reddy ; 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 (https://www.sciencedirect.com/science/article/abs/pii/S0021961422002312)	179	106952	2023	Elsevier	3.269
2	Prathipati, Sowjanya; Rao, V Srinivasa; Munnangi Srinivasa Reddy ; Gopisetty, R Satyanarayana; Alam, Mohammed Mujahid; Bollikolla, Hari Babu;	The study of intermolecular interactions in [Bmim][PF6] symbolscript 1-octyl-2-pyrrolidone binary mixtures from volumetric, acoustic, optical and spectroscopic measurements	The Journal of Chemical Thermodynamics (https://www.sciencedirect.com/science/article/abs/pii/S0021961422002312)	179		2023	Elsevier	3.269
3	Rayinuthala, Yesupadamu; Raju, David; Munnangi Srinivasa Reddy ; 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 (https://www.sciencedirect.com/science/article/abs/pii/S0019452223000900)	100	100967	2023	Elsevier	0.243
4	Md Nayeem, Sk; Sohail, E Mohammed; Srihari, NV; Indira, P; Munnangi Srinivasa Reddy ;	Target SARS-CoV-2: theoretical exploration on clinical suitability of certain drugs	Journal of Biomolecular Structure and Dynamics (https://www.tandfonline.com/doi/abs/10.1080/07391102.2021.1924262)	40	8905-8912	2022	Taylor & Francis	5.235
5	Nayeem, Shaik Mohammad; Sohail, Ershad Mohammed; Sudhir, Gajjela Priyanka; Munnangi Srinivasa Reddy ;	Computational and theoretical exploration for clinical suitability of Remdesivir drug to SARS-CoV-2	European Journal of Pharmacology (https://www.sciencedirect.com/science/article/pii/S014299920307342)	890	173642	2021	Elsevier	4.96
6	Prathipati, Sowjanya; Vipparla, Srinivasa Rao; Munnangi Srinivasa Reddy ; Sk, Md Nayeem; Bollikolla, Hari Babu;	A molecular interactions study between 1-butyl-3-methylimidazolium hexafluorophosphate ([Bmim][PF6]) and N-methylpyrrolidone	The Journal of Chemical Thermodynamics (https://www.sciencedirect.com/science/article/abs/pii/S0021961420305930)	154	106330	2021	Elsevier	3.05
7	Nayeem, Sk Md; Sohail, Ershad Mohammed; Ridhima, G; Munnangi Srinivasa Reddy ;	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 (https://link.springer.com/article/10.1007/s42600-020-00119-y)		1-Oct	2021	Springer	1.8

8	Prathipati, Sowjanya; Aangothu, Sreenivasa Rao; Munnangi Srinivasa Reddy ; Krishna Khandapu, Bala Murali; Bollikolla, Hari Babu;	Volumetric, ultrasonic, spectroscopic, and molecular dynamics simulations studies of molecular interactions in binary mixtures of [EMIm][NTf ₂] with 2-propoxyethanol at temperatures from 298.15 to 318.15 K	Journal of Chemical & Engineering Data (https://pubs.acs.org/doi/abs/10.1021/acs.jced.0c00138)	65	3566-3578	2020	American Chemical Society	2.85
9	Vani Latha, S; Little Flower, G; Munnangi Srinivasa Reddy ; 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 (https://www.tandfonline.com/doi/abs/10.1080/00319104.2018.1531408)	57	816-839	2019	Taylor & Francis	1.57
10	Aangothu, Sreenivasa Rao; Munnangi Srinivasa Reddy ; 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 (https://www.sciencedirect.com/science/article/abs/pii/S0021961418310905)	138	43-50	2019	Elsevier	2.86
11	Srinivasa Rao, V; Munnangi Srinivasa Reddy ; 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 (https://www.tandfonline.com/doi/abs/10.1080/00319104.2017.1337766)	56	332-352	2018	Taylor & Francis	1.34
12	Aangothu, Sreenivasa Rao; Khan, Imran; Munnangi, Srinivasa Reddy ; 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 (https://www.sciencedirect.com/science/article/abs/pii/S0167732217353886)	251	286-295	2018	Elsevier	4.77
13	Munnangi Srinivasa Reddy ; 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 (https://link.springer.com/article/10.1007/s10973-017-6887-y)	132	725-739	2018	Springer	2.51
14	Srinivasa Rao, V; Munnangi Srinivasa Reddy ; 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 (https://link.springer.com/article/10.1007/s10953-018-0729-9)	47	430-448	2018	Springer	1.02
15	Suneetha, P., T. S. Krishna, M. Gowrisankar, Munnangi Srinivasa Reddy , 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 (https://link.springer.com/article/10.1007/s10973-018-7427-0)	134	1151-1167	2018	Springer	2.51

16	Sreenivasa Rao A., Munnangi Srinivasa Reddy , 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 (https://www.ingentaconnect.com/content/tandf/gpch/2019/00000057/0000004/art00011)	57	547-564	2018	Taylor & Francis	1.34
17	Munnangi Srinivasa Reddy ; 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 (https://www.tandfonline.com/doi/abs/10.1080/00319104.2017.1279615)	55	775-795	2017	Taylor & Francis	1.15
18	T. Vijaya Durga, A. Rambabu, Munnangi Srinivasa Reddy , Hari Babu Bollikolla;	[TPA][Pro] ionic liquid as efficient reaction medium for N-tert-Boc protection of amines	Asian Journal of Chemistry (https://asianjournalofchemistry.co.in/User/SearchArticle.aspx?Volume=29&Issue=6&Article=29_6_25&Criteria=Search..)	29	1313-1316	2017	Asian Journal of Chemistry	0.24
19	Rao, V Srinivasa; Munnangi Srinivasa Reddy ; Nayeem, Sk Md; Raju, K Thomas SS; Krishna, K Bala Murali; Babu, B Hari;	Investigation of solute-solvent interactions in {1-butyl-3-methyl imidazoliumBis (trifluoromethylsulfonyl) imide+ dimethylcarbonate} mixture using physicochemical properties	The Journal of Chemical Thermodynamics (https://www.sciencedirect.com/science/article/abs/pii/S0021961417302380)	115	133-147	2017	Elsevier	2.63
20	Rao, V Srinivasa; Munnangi Srinivasa Reddy ; Raju, K Thomas SS; Babu, B Hari;	Investigation of intermolecular interactions in binary liquid mixtures of [Bmim][NTf ₂] and propylene carbonate at different temperatures using ultrasonic, optical and FT-IR studies	Karbala International Journal of Modern Science (https://www.sciencedirect.com/science/article/pii/S2405609X17302051)	3	279-286	2017	Elsevier	1.69
21	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 (https://www.sciencedirect.com/science/article/abs/pii/S0167732215309922)	218	83-94	2016	Elsevier	3.89
22	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 (https://www.sciencedirect.com/science/article/abs/pii/S0021961416000999)	98	298-308	2016	Elsevier	2.71

23	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][BF ₄] with 2-methoxyethanol using thermo acoustic, volumetric and optical properties	Thermochimica Acta (https://www.sciencedirect.com/science/article/abs/pii/S0040603116300223)	630	37-49	2016	Elsevier	2.51
24	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 (https://link.springer.com/article/10.1007/s10973-015-5205-9)	124	959-971	2016	Springer	1.95
25	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 (https://link.springer.com/article/10.1007/s10973-015-4994-1)	123	2241-2255	2016	Springer	1.95
26	Munnangi Srinivasa Reddy ; 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 (https://www.sciencedirect.com/science/article/abs/pii/S0021961416300118)	101	139-149	2016	Elsevier	2.71
27	Munnangi Srinivasa Reddy ; 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 (https://link.springer.com/article/10.1007/s10953-016-0465-y)	45	675-701	2016	Springer	1.256
28	Munnangi Srinivasa Reddy ; 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	International Journal of Pharmaceutical Sciences and Research	-

Papers presented in Conferences, Seminars, Workshops, Symposia :

S.No	Title of the paper presented	Title of Conference/Seminar/Workshop	Date(s) of the event	Organised by	Whether International/National/State/Regional/University or College Level
1	VISIBLE SPECTROPHOTOMETRIC DETERMINATION OF OXY FEDRINE THROUGH OXIDATIVE COUPLING REACTION IN BULK SAMPLE AND DOSAGE FORM	National Seminar on Recent Trends in Chemistry	22-08-2014 to 23-08-2014	K.R.K Govt Degree College, Addanki	National
2	IONIC LIQUIDS AS GREEN SOLVENTS- POLYMERIC AND CATALYTIC APPLICATIONS -A REVIEW	Impact of toxic metals , minerals and solvents leading to environment pollution.	17-10-2014 to 18-10-2014	G C (W), GUNTUR	National

Seminars, Conferences, Workshops, Symposia organised :

S. No.	Title of Conference/Seminar/ Workshop	Whether International/ National/State Level	Date(s) of the event	Sponsored by	Sanctioning Reference No. &Date
1	National Seminar on recent Trends in Chemistry @KRKGDC,Addanki	National	22-08-2014 & 23-08-2014	UGC & APSCHE	No.F.SEM-2054/13-14 21-03-2014

Minor/ Major Research projects completed :

S. No.	Title of the Project	Major/ Minor	Amount sanctioned (Rs)	Sponsored by	Sanctioning Reference No. &Date
1	"SYNTHESIS, CHARACTERIZATION AND CIS-TRANS ISOMERIZATION OF AZOBENZENE PORPHYRINS /METALLOPORPHYRIN."	Minor	1,45,000	UGC	No.F.MRP-4166/12 (SERO-UGC) Dated.27.03.2013