## FACULTYPROFILE

Nameofthe F	acu	lty:	Dr. VARDI	HANA SYAMALA			t	
Designation:		ASSISTANT PROFESSOR						
Department:		CHEMISTRY				TT	8-	
			26-08-197	3				MG
AICTE-ID:	1	43109580						
Education	•	in 1994	n Chemistry, Physics, Zoology from A.A.S College. Adoni. University l in Chemistry (Specialization: Radio Chemistry) from Sri Venk					
		University	y in 1998.					
	•	PhD in ( University	-	(specialization: Ph	ysical Che	emistry) fro	om Sri V	enkateswara
Experience	Т	eaching: 14	Years	Industry:Ye	ears			
	R	esearch: 7	Years	Others: Yea	irs	т	otal: 21)	(ears
ResearchSpe	ecial	ization						
				hermodynamic P	-	of Organio	: Solutio	ns (Binary&
			Ternary	Liquid Mixtures).				
Courses taug	ght			er I Engineering Che	-			
		-		er II Engineering Ch emester III Applied	•	Analysis.		
		•	• •	mester IV Environ	•	•	nalysis.	
		5. I/IV B.Te	ch Semeste	er I & II Engineering	g Chemistr	y Lab.		
		6. M.Sc (An	alytical) Se	mester III & IV Inst	trumental	Methods o	f Analysis	s Lab.
			I	Research contribut	ions			
		lı	nternationa	al/national peer rev	viewed jou	urnals		
S. No.	7	Title of pape	er	Journal	Year	Volume	pages	Indexing SCI/WoS/ SCOPUS, Google scholar)
1 Volum behav		c and of Acetoph	Ultrasonic enone with		2006	44	127	SCI

Ar 303.15K.   V.Syamala, P.Venkateswarlu,     Q. Syamala, P.Venkateswarlu,   G.Prabhakar and K.Sivakumar     2   Excess volumes, Speeds of sound, isentropic compressibilities and Viscosities of binary mixtures of Acetophenone with chlorotoluenes and nitrotoluenes at 303.15 K.   D. chem.   2006   55   928     3   Volumetric, Ultrasonic and Viscometric studies of binary mixtures of dimethyl sulphoxide with chloro and nitros substituted aromatic hydrocarbons at T=303.15 K.   Journal of chemical thermodynamics   2006   38   1553   pus     4   Volumetric behaviour of ternary organic liquid mixtures containing dimethyl sulphoxide, 1,2-   J. Molecular, liq   2007   136   29-34     5   Volumetric Ultrasonic and transport properties of binary fliquid mixtures containing dimethyl sulphoxide, 1,2-   Chin. J. chem.   2007   1   25     5   Volumetric Ultrasonic and transport properties of binary fliquid mixtures containing dimethyl Sitaphoxide, 1,2-   Chin. J. chem.   2007   1   25     5   Volumetric Ultrasonic and transport properties of binary fliquid mixtures containing dimethyl Formanide at 303.15 K.   Chin. J. chem.   2007   1   25     5   Volumetric Ultrasonic and transport properties of binary fliquid mixtures containing dimethyl Formanide at 303.15 K.   Chin. J. chem.   2007   1							dichloro and tri chloro benzenes	
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Venkateswarlu Phys. chem. liqs 2010 48 171-	SCI	_+	171_	18	2010	Phys chem lige		6
6 Speed of sound , isentropic compressibilities and Viscosities of ternary non-electrolyte solutions Phys. chem. nds 2010 48 171-	30			40	2010	r nys. chem. nys	compressibilities and Viscosities of ternary	

D. Title of the book Publisher   Fundamentals of Chemistry Blue link			year		
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Growth, structural and optical	European	Comm			
Spectroscopic Studies.					
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Sivakumar, P. Venkateswarlu					
V. Syamala, D. Rajasekhar K.					
	Sivakumar, P. Venkateswarlu Effect of various substitutes on benzene ring and their impact on volumetric, acoustic and trans- port properties of binary liquid mixtures with dimethyl acetamide. V.Syamala, L. Venkatramana, C.Narasimharao, K.Sivakumar, P.Venkateswarlu, R.L.Gardas Development and validation of asensitive nd stable HSGC method for simultaneous determination of two N- Nitrosamine impuries in omeprazole sodium drug substances and drug products by using quality by design approach. Study of molecular interactions in Binary mixtures at various temparatures Containing 2,6 – Dimethyl cyclohexanone and Aliphatic Primary Alcohols: Thermodynamics and FT-IR Spectroscopic Studies. Growth , structural and optical studies on pure and L-Histidine dopped single crystals of Copper sulphate. Structural,Optical and AntiBactirial studiesof pure& aminoacid added single crystals.	Sivakumar, P. VenkateswarluEffect of various substitutes on benzene ring and their impact on volumetric, acoustic and trans- port properties of binary liquid mixtures with dimethyl acetamide.Fluid phase Equilibria.V.Syamala, L. Venkatramana, C.Narasimharao, K.Sivakumar, P. Venkateswarlu, R.L.GardasIJRARDevelopment and validation of asensitive nd stable HSGC method for simultaneous determination of two N- Nitrosamine impuries in omeprazole sodium drug substances and drug products by using quality by design approach.Journal of Chemical Engineering DataStudy of molecular interactions in Binary mixtures at various temparatures Containing 2,6 – Dimethyl cyclohexanone and Aliphatic Primary Alcohols: Thermodynamics and FT-IR Spectroscopic Studies.European Chemical Engineering DataGrowth , structural and optical studies on pure and L-Histidine dopped single crystals of Copper sulphate.European Chemical BulletinStructural,Optical and AntiBactirial studies of pure& aminoacid added single crystals.European Chemical Bulletin	Sivakumar, P. VenkateswarluImage: Sivakumar, P. VenkateswarluPuid phase2015Effect of various substitutes on benzene ring and their impact on volumetric, acoustic and trans- port properties of binary liquid mixtures with dimethyl acetamide.Fluid phase Equilibria.2015V.Syamala, L. Venkatramana, C.Narasimharao, K.Sivakumar, P. Venkateswarlu, R.L.GardasIJRAR2023Development and validation of asensitive nd stable HSGC method for simultaneous determination of two N- Nitrosamine impuries in omeprazole sodium drug substances and drug products by using quality by design approach.Journal of Chemical2023Study of molecular interactions in Binary mixtures at various temparatures Containing 2,6 - Dimethyl cyclohexanone and Aliphatic Primary Alcohols: Thermodynamics and FT-IR Spectroscopic Studies.Journal of Chemical2023Growth , structural and optical studies on pure and L-Histidine dopped single crystals of Copper sulphate.European ChemicalComm unicat BulletinStructural,Optical and AntiBactirial studiesof pure& aminoacid added single crystals.European Chemical Bulletincomm	Sivakumar, P. VenkateswarluImage: Sivakumar, P. VenkateswarluSivakumar, P. VenkateswarluFluid phase2015397Equilibria.Equilibria.Equilibria.Sivakumar, P. Venkateswarlu, R. L. GardasImage: Sivakumar, P. Venkateswarlu, P. Venkateswar, P. Venk	Sivakumar, P. VenkateswarluFluid phase201539768-80Effect of various substitutes on benzene ring and their impact on volumetric, acoustic and trans- port properties of binary liquid mixtures with dimethyl acetamide.Fluid phase Equilibria.201539768-80V.Syamala, L. Venkatramana, C. Narasimharao, K. Sivakumar, P. Venkateswarlu, R.L.GardasIJRAR20231011-18Development and validation of asensitive nd stable HSGC method for simultaneous determination of two N- Nitrosamine impuries in omeprazole sodium drug substances and drug products by using quality by design approach.Journal of Data20231011-18Study of molecular interactions in Binary mixtures at various temparatures Containing 2,6 - Dimethyl cyclohexanone and Aliphatic Primary Alcohols: Thermodynamics and FT-IR Spectroscopic Studies.Journal of Chemical European Chemical European2023 Comm Line LineImage: Comm Line Lin

	Details of Conferences/FDPs/STTPs/w	vebinars/Workshops Par	ticipated: 22
S.No.	Name of the event	Organized by	Dates
1	Live webinar on "SOLAR WATER	PSNA college	Oct 27, 2020.
	SPLITTING USING NOVEL	of Engineering	
	MATERIALS .	and	
		Technology.	
2	National Webinar entitled	Sri Padmavati Mahila	25th
	"Exploring the New Approaches	Visvavidyalayam	Nov,2020.
	and Dimensions in Organic	(Women's University)	-,
	Chemistry".		
	chemistry .		
3	Webinar on "Photochemical aspects	Vignan's Institute of	29-08-2020.
	of 3-Hydroxy-chromen-4one and it's	Management &	
	derivatives". 29-08-2020.	Technology for	
		Women, Hyderabad	
4	<b>webinar</b> on "Research	Vignan's	15-09-2020
	Opportunities in Powder	Institute of	
	Metallurgy Based Forming".	Management &	
		Technology for	
		Women,	
		Hyderabad.	
5	webinar on "Journey to Mars and	Vignan's Institute of	03-09-2020
-	Moon" .	Management &	
		Technology for	
		Women, Hyderabad	
6	A two day International Webinar on	Sri Padmavathi	10& 11 sept 2020
	Biotechnology: Modern Molecular	Mahila Viswa	
	Approaches.	Vidyalayam	
		Tirupathi. AP India.	
7	webinar on "Solar Photovoltaics-	Vignan's	29-09-2020
,	A Journey to New Age Energy	Institute of	25 05 2020
	Resources".		
	Resources .	Management &	
		Technology for	
		Women,	

		Hyderabad.	
8	National Webinar on CHEMDRAW	Govt Degree College	28 <sup>TH</sup> AUGUST
	IN TEACHING CHEMISTRY AND	. Razole	2020.
	RESEARCH .		
9	International Webinar on BioMedical	Govt Degree college	4 <sup>th</sup> August 2020.
	Product Development-Challenges and	Pithapuram	
	oppourtunities		
10	International Virtual Conference On	Acharya Nagarjuna	10th – 12th
	Nanomaterials, FIVCON-2020	University, Guntur,	September.2020
11	one week online <b>Faculty</b>	AP., India	Aug 24 28 2020
11		Madanapalle institute of Technology &	2020, Aug 24 – 28
	Devolopment programme on	science ,Madanapalle	
	Frontiers in material science	science , widdanapane	
	research.		
12	3-Day Online FDP on "Environmental	GMR Institute of	19th - 21st October,
	Pollution - Sustainable Technologies	Technology, Rajam	2020
	for its Control (EP-STC)		
13	A Four Day National Level Faculty	Government Degree	10-09-2020 to 13-
	Development Programme on	College,	09-2020
	INNOVATIVE PEDAGOGY FOR FACULTY	Ravulapalem, East	
	OF HIGHER EDUCATION.	Godavari District,	
		Andhra Pradesh	
14	AICTE sponsored STTP-II on Industrial	Anurag group of	5-10 october 2020.
	pollution and control Strategies.	Institutions	
		Ghatkesar (M)	
		Medchal (D)	
		Telangana	
15	online faculty development	National Institute of	21st - 25th
	programme on "Chemistry in	Technology Andhra	September 2020
	Medicine and Materials Science"	Pradesh	
16	AICTE Training And Learning (ATAL)	MAULANA	2020-11-2 to 2020-
	Academy Online FDP on "Stress-	AZAD	11-6
	management"	NATIONAL	
		URDU	
		UNIVERSITY	
		POLYTECHNIC	
		HYDERBAD.	
17	FDP on Material Synthesis and	Meenakshi Institute	$31^{st}$ aug – 5 <sup>th</sup> sept
1/			2020
			2020

	Charecterization for Device Applications.	of Technology. Yelahanka. Bangalore.	
18	A Five Day Online National level <b>Faculty Development</b> <b>Programme</b> on "Advanced Techniques for Purification and Characterization of Organic Compounds "	JNTUK-UCEV	24th to 28th August, 2020
19	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Emotional Resillance".	Mahatma Jyotiba Phule Rohilkhand University.	25/09/2021 to 29/09/2021
20	Webinar on NANOMETERIALS AND THEIR APPLICATIONS	Krishna University. Machilipatnam.	3 <sup>rd</sup> august 2021
21	One day National webinar "Instrumental methods of Chemical analysis: Fundamentals to Engineering applications "	Department of Chemistry(H&S) PBR Visvodaya Institute of Technology & Science. [AUTONOMOUS ], Kavali, SPSR Nellore Dist, A.P.	09.07.2021
22	One Week Online Faculty Development Program on "Role of Chemistry in Advanced Engineering Materials (RCAEM- 2021)"	Vasavi College of Engineering (A), Hyderabad.	25th - 29th October, 2021
23	Faculty Development Programme	NPTEL-AICTE	Sept-Dec 2020

S.No	Level To		otal number		
1	UG	Completed:	Ongoing:		
2	PG	Completed: 35	Ongoing: 7		
3	PhD	Completed:	Ongoing:		
		Administrative experience			
S.No.		Role	Duration (From – to)		
1	1/4 Civil- B Class Coordinator		2014-15 Sem I&II		
	Member in Ar	nti Ragging Committee	2014-15		
2	1/4 Civil-	B Class Coordinator	2015-16 Sem l≪		
	Member in Ar	nti Ragging Committee	2015-16 Sem l≪		
3	1/4 Civil-	B Class Coordinator	2016-17 Sem l≪		
	Questio	n Bank In charge.			
4	1/4 Civil-	B Class Coordinator	2017-18 Sem I&II		
		n Bank In charge.			
5	II Msc (A) Class Coordinator		2018-19 sem III & IV		
		lents welfare committee			
6	( )	Class Coordinator lents welfare committee	2019-20 sem III & IV		
		complaints commette(BEC			
	Women Empowerm	ient cell)			
7	II Msc (A)	Class Coordinator	2020-21 sem III & IV		
-	• •	lents welfare committee	2020 22 0000 000		
	Member in Internal	complaints commette(BEC			
	Women Empowerm	ent cell).			
	Department News	letter Incharge.			
8		Coordinator, Department etter Incharge.	2021-22 Sem l≪		
9	1/4 CSE-0	C Class Coordinator	2022-23 Sem I&II		
-	Department	News letter Incharge.			
		cadamic Development ommittee.			

## **Research credentials**

Index/database	ID/Link
Google Scholar	R2S6K78AAAJ
SCOPUS	15045832300
Web of Science	
Vidwan ID	324380

(Dr. V. Syamala)