



# Sri Venkateswara College

(University of Delhi)

Benito Juarez Road, New Delhi - 110021

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Print Date : 07-07-2026

## 1. Personal Profile

Title: **Dr.** First Name: **THOTI** Last Name: **VASANTHA**

Designation: **ASSISTANT PROFESSOR** Mobile No. **9703473467**

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Facebook: ----- Twitter: -----

LinkedIn: ----- Instagram: -----

Youtube: ----- Research Gate Link: -----

Google Scholar Link: <https://scholar.google.com/citations?user=Uday0YwAAAAJ&hl=en>

Address: **ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, S. V. COLLEGE, UNIVERSITY OF DELHI, BENITO JUAREZ ROAD, NEW DELHI - 110021.**

## 2. Educational Qualifications

Degree/ Certification	Institution	Year
PDF	SRI VENKATESWARA UNIVERSITY, TIRUPATI	2017
M.Sc	Sri Padmavati Mahila visvavidyalayam (Women's University), Tirupati, Andhra Pradesh	2009
B.Sc	Sri Padmavathi women's Degree & P.G College, Tirupati	2007
CSIR NET	CSIR HRDG	2016
Ph.D	Sri Venkateswara University, Tirupati / Sri Padmavathi wpmen's degree & p.g.college.	2014

## 3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
ADMINISTRATIVE ASSIGNMENTS	MEMBER	TIME-TABLE COMMITTEE Sri Venkateswara College	01.Oct.2023 - 30.Jun.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	FINE ARTS ASSOCIATION SRI VENKATESWARA COLLEGE	01.Oct.2023 - Till date	

ADMINISTRATIVE ASSIGNMENTS	MEMBER	CHEMISTRY - RASAGYA VENKATESWARA COLLEGE	SRI	01.Jun.2024 - 31.May.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	ADMISSIONS COMMITTEE VENKATESWARA COLLEGE	SRI	01.Jun.2024 - 30.May.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	CHEMISTRY - RASAGYA VENKATESWARA COLLEGE	SRI	01.Jun.2024 - 31.May.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	NAAC CRITERION 6 VENKATESWARA COLLEGE	SRI	01.Jun.2024 - 31.May.2025	

#### 4. Other Profiles

Other Profile Name/ Description

#### 5. Research Guidance

Year	Guide For	Title of the Dissertation/ Thesis	Scholar Name	Status
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#### 6. Research Projects

Year	Title of Project	Sponsorship Agency	Duration	Amount Sanctioned	Date of Sanction
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#### 7. Publications

Category	Publication Name	Title	Name of Author	Reference Link/ DOI Link	Publication (Month Year)
CHAPTER (International)	Green methods for waste water treatment	Spingers	T.Vasantha, N.V.V.Jyothi (Corresponding Author)	<a href="https://doi.org/10.1007/978-3-030-16427-0">https://doi.org/10.1007/978-3-030-16427-0</a>	October 2020
RESEARCH PAPERS (International)	The solubility and stability of amino acids in biocompatible ionic liquids.	Protein and peptide letters, 2014, 21, 15-24.	1) T. Vasantha, Awanish Kumar, Pankaj Attri, Pannuru Venkatesu, R. S. Rama Devi (First Author)	<a href="https://doi.org/10.2174/09298665113209990071">https://doi.org/10.2174/09298665113209990071</a>	April 2012
RESEARCH PAPERS (International)	Ammonium based ionic liquids act as compatible solvents for glycine peptides.	J. Chem. Thermodynamics 2013, 56, 21- 31	T. Vasantha, Pankaj Attri, P. Venkatesu, R. S. Rama Devi (First Author)	<a href="https://doi.org/10.1016/j.jct.2012.07.009">https://doi.org/10.1016/j.jct.2012.07.009</a>	July 2013
RESEARCH PAPERS (International)	Influence of biocompatible ammonium ionic liquids on the solubility of l-alanine and l-valine in water.	Fluid Phase Equilibria,	T. Vasantha, Kumar, A. Attri, P., Venkatesu, P., Rama Devi, R.S. (First Author)	<a href="https://doi.org/10.1016/j.fluid.2012.08.021">https://doi.org/10.1016/j.fluid.2012.08.021</a>	August 2012

RESEARCH PAPERS (International)	Structural basis for the enhanced stability of protein model compounds and peptide backbone unit in ammonium ionic liquids.	J. Phys. Chem. B,	T. Vasantha, Pankaj Attri, P. Venkatesu, R. S. Rama Devi (First Author)	<a href="https://doi.org/10.1021/jp308443f">https://doi.org/10.1021/jp308443f</a> .	September 2012
RESEARCH PAPERS (International)	Thermodynamic contributions of peptide backbone unit from water to biocompatible ionic liquids at T = 298.15 K.	J. Chem. Thermodynamics	T. Vasantha, Pankaj Attri, P. Venkatesu, R. S. Rama Devi (First Author)	<a href="https://doi.org/10.1016/j.jct.2011.09.017">https://doi.org/10.1016/j.jct.2011.09.017</a> .	February 2012
RESEARCH PAPERS (International)	Evaluating the transfer free energies of amino acids from water to ammonium-based ionic liquids at 298.15 K,	Journal of Molecular Liquids,	T. Vasantha, T. Kavitha, A. Kumar, P. Venkatesu and R. S. Rama Devi; (First Author)	<a href="https://doi.org/10.1016/j.molliq.2015.04.007">https://doi.org/10.1016/j.molliq.2015.04.007</a>	August 2015
RESEARCH PAPERS (International)	Thermophysical Properties for the mixed solvents of N-methyl-2-pyrrolidone with some of the imidazolium-based ionic liquids.	Journal of Molecular Liquids,	T.Kavitha, T. Vasantha, P. Venkatesu, R. S. Rama Devi, T. Hofman ; (Joint Author)	0167-7322	October 2014
RESEARCH PAPERS (International)	Effect of the Alkyl Chain Length of the Cation on the Interactions between Water and Ammonium-Based Ionic Liquids: Experimental and COSMO-RS Studies. ,	Ind. Eng. Chem. Res.	Varadhi Govinda, T. Vasantha, Imran Khan, and P. Venkatesu (Joint Author)	<a href="https://doi.org/10.1021/acs.iecr.5b01796">https://doi.org/10.1021/acs.iecr.5b01796</a> .	August 2015
RESEARCH PAPERS (International)	Preferential and competitive role of hydrophilic/hydrophobic interactions quantifying amino acid-based ILs for papain stabilization,	Journal of Molecular liquids	Sumit kumar, Anamika sindhu, Thoti Vasantha, Pannuru Venkatesu (Joint Author)	<a href="https://doi.org/10.1016/j.molliq.2022.119920">https://doi.org/10.1016/j.molliq.2022.119920</a> .	October 2022

RESEARCH PAPERS (International)	2-(4-METHOXY-PHENYL)-1H, 3H-1, 3-DIAZA- 2-PHOSPHAPHENALENE 2-SULFIDE	International journal of creative research thoughts(IJCRT)	KodagalaKameswara Rao 1* ,Raja. R 2 , Thoti Vasantha 3 , Ester Antonia Herrera Caro 4 ,Dámaris Belen Zepeda Zamora 4 , Krishna Marlen Alfaro Castro 4 , Matías Ignacio Castillo Opazo 4 , Rocío Carolina Gallardo Rivera 4 , Musali Krishnaiah 5* (Joint Author)	July 2023
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## 8. Books

Category	Book Name	Title	Name of Author	ISSN/ ISBN Number
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## 9. Faculty Achievements

Year	Category of Achievement	Role	National/ International etc.	Name	Date From-To
2024	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	National	One week "NEP-2020 ORIENTATION & SENSITIZATION PROGRAMME" (equivalent to One Week Faculty Development Programme)	17.Sep.2024 - 27.Sep.2024
2024	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PARTICIPANT	International	18th International Congress on Thermal Analysis and Calorimetry (ICTAC 2024)	02.Sep.2024 - 07.Sep.2024

**Dr. THOTI VASANTHA**