Sri Venkateswara College

(University of Delhi)
Benito Juarez Road, New Delhi - 110021
(Phone No. - 011-2411 2196 : Email - principal@svc.ac.in)

Print Date : 24-11-2026

1. Personal Profile



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

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

Phone No. (Office) **011-24112196** Phone No. (Residence): **----------**

Email: **tvasantha@svc.ac.in** Webpage: **https://svc.ac.in**

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

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

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

Address: **ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, SRI VENKATESWARA 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 SRI VENKATESWARA COLLEGE	01.Jun.2024 - 31.May.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	ADMISSIONS COMMITTEE SRI VENKATESWARA COLLEGE	01.Jun.2024 - 30.May.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	CHEMISTRY - RASAGYA SRI VENKATESWARA COLLEGE	01.Jun.2024 - 31.May.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	NAAC CRITERION 6 SRI VENKATESWARA COLLEGE	01.Jun.2024 - 31.May.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	FINE ARTS ASSOCIATION Sri Venkateswara College, University of Delhi	01.Jun.2025 - 31.Jul.2026	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	NATIONAL SERVICE SCHEME (NSS) Sri Venkateswara College, University of Delhi	01.Jun.2025 - 30.Jun.2026	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	CHEMISTRY - RASAGYA Department of Chemistry, Sri Venkateswara College, University of Delhi	01.Jun.2025 - 30.Jun.2026	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	NAAC CRITERION 6 Department of Chemistry, Sri Venkateswara College, University of Delhi	01.Jun.2025 - 30.Jun.2026	

4. Other Profiles

Other Profile Name/ Description

AREAS OF INTEREST/ SPECIALIZATION

1. Polymer with MOF’s 2. Polymer with protein 3. Stability of Amino acids/ proteins in presence of co-solvents 4. Preparation of biocompatible Ionic liquids 5. Volumetric analysis with ionic liquids 6. Waste Management Using Functionalized Magnetic Nanomaterials 7. Trace metal / Heavy Metal Analysis

5. Research Guidance

Year	Guide For	Title of the Dissertation/ Thesis	Scholar Name	Status

6. Research Projects

Year	Title of Project	Sponsorship Agency	Duration	Amount Sanctioned	Date of Sanction

7. Publications

Category	Publication Name	Title	Name of Author	Reference Link/ DOI Link	Publica (Month Year)
JOURNAL PAPER (International)	Exploring the Amino Acids Behavior in Ionic Liquids: Thermophysical and Biophysical Approach	Industrial & Engineering Chemistry Research	Pooja Yadav Swati Arora Thoti Vasantha ,Pannuru Venkatesu (Corresponding Author)	https://doi.org/10.1021/acs.iecr.5c04649	May 2026

CHAPTER (International)	Green methods for waste water treatment	Spingers	T.Vasantha, N.V.V.Jyothi (Corresponding Author)	https://doi.org/10.1007/978-3-030-16427-0	October 2020
CHAPTER (National)	Industrial waste management Functionalized magnetic Nanomaterials (FMNs)	Springer	Vasantha thoti, Murali Mohan Achari Kamasali (Corresponding Author)	10.1007/978-3-031-97199-0_8	October 2025
CHAPTER (National)	Biomedical Applications of Functionalized Magnetic Nanomaterials (FMNs)	Springer	Murali Mohan Achari Kamasali, Vasantha thoti, (Joint Author)	10.1007/978-3-031-97199-0_2	October 2025
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)	https://doi.org/ 10.2174/092986651132 09990071.	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)	https://doi.org/10.1016/j.jct.2012 .07.009.	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)	https://doi.org/10.1016/j.fluid.2012.08.021	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)	https://doi.org/10.1021/jp308443f.	Septemb 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)	https://doi.org/10.1016/j.jct.2011.09.017.	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)	https://doi.org/10.1016/j.molliq.2015.04.007	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)	https://doi.org/10.1021/acs.iecr.5b01796.	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)	https://doi.org/10.1016/j.molliq.2022.119920.	October 2022
RESEARCH PAPERS (International)	2-(4-METHOXY-PHENYL)-1H, 3H-1, 3-DIAZA- 2-PHOSPHA-PHENALENE 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

8. Books

Category	Book Name	Title	Name of Author	ISSN/ ISBN Number

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
2025	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	National	One-Week Faculty Development Programme on "Research Methodology and Undergraduate Research Guidance under the aegis of NEP 2020."	09.Oct.2025 - 15.Oct.2025
2026	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	National	One-Week Faculty Development Programme on “Exploring Use of AI Tools for Research"	19.Mar.2026 - 25.Mar.2026

Dr. THOTI VASANTHA