

PVKN GOVERNMENT COLLEGE (AUTONOMOUS) CHITTOOR (A.P)

FACULTY PROFILE

I. Personal Details:

1. Name	: Dr. P. BHANUPRAKASH
2. Father's Name	: Sri. P. Bhaskar Reddy
3. Mother's Name	: Smt. P. Sampurna
4. Designation	: Lecturer in Chemistry
5. Employee/HRMS ID	: 1156197
6. Nationality	: Indian
7. Gender	: Male
8. Community	: OC
9. Present Address	: # 2-16, P. Kothur (Vil) Pantrampalli (Post) Chittoor Andhra Pradesh-517 004
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II. Educational Qualifications:

Exam. Passed	Name of the Board/University	Month & Year Passed	Class/ Division	% of Marks	Subjects studied
10 th Class	Board of Secondary Education, A.P.	March,2000	Distinction	84.3%	Mathmatics, Physical science & Social science
Intermediate	Board of Intermediate Education, A.P.	March,2002	Distinction	92%	Mathmatics, Physics & Chemistry
B.Sc	Sri Venkateswara University, Tirupati.	April, 2005	Distinction	83.2%	Mathmatics, Physics & Chemistry
M.Sc	Sri Venkateswara University, Tirupati.	April, 2007	Distinction	75%	Organic Chemistry
B.Ed.	Sri Krishnadevaraya University, Anantapur.	2010	Distinction	70.1%	Physical sciences & English
CSIR-UGC JRF	CSIR-UGC	2011	All India 38 th rank		Chemical sciences
CSIR-UGC NET	CSIR-UGC	2007, 2008, 2009	-	-	Chemical sciences
Ph. D.	Sri Venkateswara University, Tirupati.	2021	Evaluation of solute-solvent interactions in liquid mixtures through excess thermodynamic and spectral studies		

III. Departmental Tests Passed:

S. No.	Name of the Test Passed	Paper Codes	Year of Passing
1.	Special language test for officers at Education Department-Higher standard	37	10-11-2012
2.	Accounts test for Executive Officers (EO test)	141	13-02-2014
3.	D.T. for Gazetted Officers of Education department (GO test)	88, 97	13-05-2013

IV. Teaching Experience:

Name of the Institution	Designation	Nature of post	Duties Performed apart from normal teaching	Length of experience	
				From	To
PVKN Govt. Degree College, Chittoor	Lecturer in Chemistry	Permanent	Alumni Association-Convenor	26-12-2011	27-05-2017
SVCR Govt. Degree College, Palamaner	Lecturer in Chemistry	Permanent	RUSA-Coordinator NCC-CTO NSS-PO In-charge of the Department	27-05-2017	24-09-2021
PVKN Govt. College (A), Chittoor	Lecturer in Chemistry	Permanent	Academic Coordinator, Deputy COE, NSS-PO In-charge of the Department	25-09-2021	Till date
Total:				12 years	

V. Papers Published in International, National and UGC Listed Journals:

1. EVV. Reddy, **P. Bhanuprakash**, S. Khobare, J. Ramanatham, N. Devanna, Facile and Simple Synthesis of Novel 1- Methyl-2-(2 substituted-oxazol-4-yl)-1Hbenzimidazole Derivatives, *Synthetic Communications*, **40: 414–422, 2010** (ISSN: 0039-7911) (IF: 0.929).
2. **P. Bhanuprakash**, CN. Rao, K. Sivakumar, Evaluation of molecular interactions by volumetric and acoustic studies in binary mixtures of the ionic liquid [EMIM][MeSO₄] with ethanoic and propanoic acid at different temperatures, *Journal of Molecular Liquids* **219 (2016) 79–87** (ISSN: 0167-7322) (IF: 2.515).
3. C. Venkatakrishnaiah , G. Rajasekar , **P. Bhanuprakash**, Study of Potability of Ground Water in Selected Areas of Swarnamukhi River Basin, Srikalahasti, Chittoor District, Andhra Pradesh, *International Journal of Science and Research*, **5, (2016) 753-755.** (ISSN: 2319-7064).
4. C. Venkatakrishnaiah , G. Rajasekar , **P. Bhanuprakash**, Study of Quality of Ground Water in Selected Areas of Swarnamukhi River Basin, Srikalahasti, Chittoor, *International Journal of Innovative Research in Science, Engineering and Technology*, **5, (2016) 16543-16546** (ISSN: 2319-8753).
5. MS. Sandhya, CN. Rao, K. Sivakumar, **P. Bhanuprakash**, P. Venkateswarlu, Effect of temperature and alkyl chain length on molecular interactions in the binary mixtures of 1-ethyl-3-methylimidazolium methylsulphate with 1-alkanols (C₃–C₆), *Journal of Molecular Liquids* **222 (2016) 981–987** (ISSN: 0167-7322) (IF: 2.515).
6. MS. Swetha, P. Venkateswarlu, **P. Bhanuprakash**, K. Sivakumar, Studies of Mixing Properties of Binary Mixtures of 1-Propanol with toluene, Isomeric Chlorotoluenes and Tolidine at T = (298.15, 303.15, 308.15, and 313.15) K, *International Journal of Innovative Research in Science, and Development*, **5, (2016) 276-294** (ISSN: 2278-0211).

7. **P. Bhanuprakash**, NVV.Jyothi, C. Narasimharao, M. Raveendra, K. Sivakumar, Elucidation of molecular interactions in the mixtures of benzylalcohol with (C₂–C₄) alkylacetates through volumetric, ultrasonic, theoretical and ATR-FTIR spectroscopic studies spectroscopic studies at T = (298.15, 303.15, 308.15 and 313.15) K, *Journal of Molecular Liquids*, **234**, 2017, **49-63**. (ISSN: 0167-7322) (IF: 2.515).
8. **P. Bhanuprakash**, NVV. Jyothi, C. Narasimharao, M. Raveendra, K. Sivakumar, Temperature and composition dependence of the volumetric and acoustic properties of ionic liquid [emim][HSO₄] with polar protic and aprotic co-solvents, *Journal of Chemical Thermodynamics* **122**, 2018, **113-124** (ISSN: 0021-9614) (IF: 2.290).
9. M. Raveendra, **P. Bhanuprakash**, YS. Rao, KS. Kumar, KD. Reddy, Thermodynamic and spectroscopic study of molecular interactions between ethanol and isomeric cresols, *Journal of Chemical Thermodynamics* **132**, 2019, **93-104** (ISSN: 0021-9614) (IF: 2.290).
10. R. Prathibha, **P. Bhanuprakash**, NVV. Jyothi, K. Sivakumar Study of excess thermodynamic properties of binary systems containing cinnamaldehyde with alcohols supported by ATR-FTIR spectral studies, *Chemical Data Collections* **19**, 2019, **100184** (ISSN: 2405-8300) (IF: 0.980).
11. **P. Bhanuprakash**, R. Prathibha, RL. Gardas, K. Sivakumar, NVV. Jyothi, Effect of temperature, nature of anion and alkyl chain length on the volumetric and acoustic properties of ionic liquid [C₄C₁im][MeSO₄] with alkyl nitriles, *Journal of Molecular Liquids* **302**, 2020, **112507**. (ISSN: 0167-7322) (IF: 4.561).
12. **P. Bhanuprakash**, RL. Gardas , R. Prathibha , K. Sivakumar, NVV. Jyothi. Insights into non-ideal behaviour of benzyl alcohol with (C₂–C₄) carboxylic acids through volumetric, ultrasonic and ATR-FTIR spectroscopic studies, *Physics and Chemistry of Liquids*, **59**, 2020, **632-654**. (ISSN: 0031-9104) (IF: 1.915).
13. CB. Kumar, **P. Bhanuprakash**, CN. Rao, RL. Gardas, K. Sivakumar, Excess volume, speed of sound and isentropic compressibility data of ternary mixtures containing N-methylcyclohexylamine, p-xylene and (C₃–C₅) 1-alkanols, *Chemical Data Collections* **31**, 2021, **100610**, (ISSN:2405-8300) (IF: 2.031).
14. R. Raju, S. Ravikumar, K. Sivakumar, **P. Bhanuprakash**, V. Pandiyan, Investigation on thermodynamic properties and spectroscopic studies of binary mixtures of 1, 2, 4-trichlorobenzene with alkyl acetates (C₁–C₅) at T=(303.15 to 318.15)K, *Chemical Data Collections* **36**, 2021, **100781**, <https://doi.org/10.1016/j.cdc.2021.100781>, (ISSN:2405-8300).
15. R. Gerald Arokiaraj, R. Raju, S. Ravikumar, K. Sivakumar, **P. Bhanuprakash**, V. Pandiyan, Excess thermodynamic properties and FTIR studies of binary mixtures of aniline with esters at different temperatures, *Chemical Data Collections*, **37**, 2022, **100807**, <https://doi.org/10.1016/j.cdc.2021.100807>, (ISSN: 2405-8300).
16. P. Babu, N.P. Rao, G.C. Sekhar, **P. Bhanu Prakash**, Ultrasonic studies in the ternary mixtures: Water+ Iso-propanol+ Pyridine at 303.15 K, *Chemical Thermodynamics and Thermal Analysis*, **5**, 2022, **100032**. <https://doi.org/10.1016/j.ctta.2021.100032> (ISSN: 2667-3126)
17. R. Gerald Arokiaraj, S. Ravikumar, R. Raju, Venkatramana Losetty, **P. Bhanuprakash**, V. Pandiyan, Investigation of solute-solvent interactions between 2-butoxyethanol and substituted ketones by volumetric, acoustic and FTIR studies at T=(303.15–318.15) K,

18. R. Prathibha, **P. Bhanuprakash**, C. Narasimha Rao, I. Bahadur, K. Sivakumar, N.V.V. Jyothi, Molecular interaction studies based on thermophysical and excess thermodynamic properties of cinnamaldehyde with 1-butanol, isobutanol, 1-pentanol, iso-pentanol at different temperatures, *Journal of Chemical Thermodynamics*, 172, 2022, 106815. (ISSN: 0021-9614) (IF: 3.178).
19. Rajendran Raju, Venkatramana Losetty, Srinivasan Ravikumar, **Puthalapattu Bhanuprakash**, Subramanian Balamurugan, Venkatesan Pandiyan, Geometrical and temperature impact on elucidation of intermolecular interactions for the binary mixtures of morpholine with aliphatic esters by thermodynamic, FTIR and DFT study. *Z. Phys. Chem.* 237, 2023, 519-543. (IF: 3.0).

VI. Papers Published in Conference/Seminar proceedings:

1. Proceedings of International Conference on “*Science and Technology for National Development SMAC: An emerging tool – 2016*”, Adarsh Group of Institutions, Bangalore, “Experimental and Theoretical investigation of Thermodynamic properties in the binary mixtures of aromatic amines and aliphatic alcohols”, November, 2016, 689-695, (ISBN: 978-1-5136-1658-2)
2. Proceedings of National Symposium on “*Plastic Pollution*”, Spectrum Publications, Hyderabad, “Classification, Synthesis, Properties, Degradation and Biomedical Applications of Biodegradable polymers: An Overview”, February, 2019, 106-109, (ISBN: 978-93-82829-32-4)
3. Proceedings of National Seminar on “*Emerging Trends in Chemical, Material and Environmental Sciences*”, Roshan Publications, Visakhapatnam, “Classes, properties, and diverse applications of environmentally benign ionic liquids: An overview”, September, 2019, 32-35 (ISBN: 978-93-87540-98-9).
4. Proceedings of National Seminar on “*Role and Inspiration of Telugu poetry and poets in attaining Indian Independence*”, Indian Independence movement and the role of Scientist in Liberalisation, *Bhavaveena, Spl. Issue 19(8), August, 2022, 252-254* (ISSN: 2456-4702). (RNI No. APTEL/2003/12/253, UGC Care List Group-1 Journal)
5. Proceedings of National Seminar on “*Role and Inspiration of Telugu poetry and poets in attaining Indian Independence*”, Indian Independence Movement: Unsung Freedom Fighters from Chittoor, *Bhavaveena, Spl. Issue 19(8), August, 2022, 259-260* (ISSN: 2456-4702). (RNI No. APTEL/2003/12/253, UGC Care List Group-1 Journal)
6. Proceedings of National Seminar on “*Inspirations and Influences Indian National Movement on Telugu Literature*”, The Role of Print Media in National Movement, *Bhavaveena, Spl. Issue 19(10), October, 2022, 441-443* (ISSN: 2456-4702). (RNI No. APTEL/2003/12/253 UGC Care List Group-1 Journal)

7. Proceedings of National Conference on ***“Pollution Control And Sustainable Environment”***, Raja Rammohun Roy National Agency, New Delhi, Need to shift towards clean, reliable, accessible and affordable renewable energy resources for a sustainable future, February, 2023, 1-6 (ISBN: 978-93-5780-717-3).
8. Proceedings of National Seminar on ***“Importance of Intellectual Property Rights in Research and Entrepreneurship”***, Raja Rammohun Roy National Agency for ISBN, New Delhi, Role of Intellectual Property Rights in Protecting the Pharmaceutical Industry, March, 2023, 168-172 (ISBN: 978-93-5812-912-0).

VII. Publications as an Author of a Book/Book chapter:

S. No.	Title of the Book & Book Chapter	Year of Publication	ISBN / ISSN No	Name of the Publishers
1.	Basics of Environmental Science from Concepts to Conservation	First Edition, 2019	978-93-5361-420-1	Sai Venkatesh
2.	Polymer Chemistry, Instrumental methods of analysis, Analysis of Drugs, Foods, Dairy Products & Bio-Chemical Analysis	First Edition, 2019	-	MGB Publications, Hyderabad
3.	Environmental Education (Life Skill Course)	First Edition, 2022	Govt. of Andhra Pradesh-Text Book	Society of JKC, Commissionerate of Collegiate Education, Andhra Pradesh
4.	An Almanac of Multidisciplinary Research Perspective & Role of Experiential Learning-A Learner Centric Pedagogy To Bring Out The Best In Higher Education	First Edition, April, 2023	978-93-92995-47-7	L Ordine Nuovo Publication, Madurai
5.	Research Methodology In Environmental Sciences-Effective Methods to Teach Environmental Chemistry to College Students: An Overview	First Edition, February-2024	978-93-90028-80-1	ROSHAN Publications, Visakhapatnam

VIII. Research Projects Carried Out:

S. No.	Title of the Project	Duration of the Project	Amount sanctioned	Sanctioning authority	Completed / ongoing
1.	MRP 5513/15: Study of molecular interactions in binary mixtures containing ionic liquids through estimation of excess thermodynamic properties	2015-17	Rs 3,60,000/-	UGC - SERO	Completed

IX. Faculty Development Programmes Completed:

S. No.	Organized by	Name of the FDP	From	To	Mode of Learning	Score/ Grade
1.	NPTEL-AICTE	4 Weeks FDP in "Bioinorganic Chemistry"	26-08-2019	20-09-2019	Online	97%
2.	Government College Autonomous, Rajahmundry.	Two-day FDP in "Chemical Safety and Environmental Protection"	18-05-2020	19-05-2020	Online	-
2.	Commissionerate of Collegiate Education, Govt. of A.P.	Five-day FDP in "LMS Video and Pedagogy"	03-08-2020	07-08-2020	Online	-
3.	Commissionerate of Collegiate Education, Govt. of A.P.	Five-day FDP in "Chemistry"	01-07-2020	05-07-2020	Online	-
4.	NPTEL-AICTE	12 Weeks FDP in "Co-ordination Chemistry- Chemistry of Transition elements"	14-09-2020	04-12-2020	Online	81%
5.	Indira Priyadarshini Govt. Degree College for Women & Govt. of Telangana.	One Week FDP in "Capacity Building & Skill Enhancement for Higher Education Teachers"	20-07-2020	25-07-2020	Online	-
6.	Govt. City College, Hyderabad	One Week FDP in "Digital Teaching Tools"	29-06-2020	05-07-2020	Online	-
7.	Dept. of Chemistry, YV University, Kadapa	"Recent Developments in Chemical Research for Societal Applications"	03-08-2020	08-08-2020	Online	-
8.	DBT Star College Scheme-Dept. of Chemistry, Bhavan's Vivekananda College, Secunderabad	"Advance Concepts in Chemistry"	22-11-2021	26-11-2021	Online	-
9.	NPTEL-AICTE	12 Weeks Faculty Development Programme in "Industrial Inorganic Chemistry"	24-01-2022	15-04-2022	Online	82%

10.	SKR & SKR Government College of Women (A), Kadapa	<i>“LMS E-Content Generation”</i>	20-10-2022	21-10-2022	Online	-
11.	S.S & N College, Narasaraopet, in collaboration with Commissionerate of Collegiate Education, Govt. of A.P.	Five-Day Interdisciplinary Online FDP on <i>“Institutional Initiatives for Effective Assessment and Accreditation in the context of NEP- 2020”</i>	07-08-2023	11-08-2023	Online	-
12.	Commissionerate of Collegiate Education, Govt. of A.P at NRC, PVKN Govt. College (A), Chittoor	Six-day FDP (Training of the Trainers Program) on <i>“English medium of instruction, Proficiency in English”</i>	12-06-2023	17-06-2023	Offline	

X. Short Term Courses Completed:

S. No.	Name of the Short-Term Course	Organized by	From	To	Mode of Learning
1.	Six days Induction Training Programme for Newly Recruited Lecturers	CCE, A.P & Govt. Degree College, Anantapur.	26-11-2011	31-12-2011	Offline
2.	Six days Training Course in Chemistry	APSHE & CCE, A.P.	19-01-2012	24-01-2012	Offline
3.	UGC sponsored Short term course on <i>“Applications of Nano-technology”</i>	ASC, JNTU, Hyderabad.	10-06-2013	15-06-2013	Offline
4.	Three-day training program on <i>“A foundation course in HVPE”</i>	DRC, PVKN Govt. College, Chittoor	25-08-2014	27-08-2014	Offline
5.	Five-day Master Trainers Training Programme on <i>“Content delivery and assessment methods pertaining to Skill Courses”</i>	Commissionerate of Collegiate Education, Govt. of A.P at Acharya Nagarjuna University, Guntur	26-09-2022	30-09-2022	Offline
6.	Training of Trainers (ToT) on <i>“Internship / Apprenticeship Management and Learning Management System”</i>	CCE, Govt. of A.P. & PVKN Govt. College (A), Chittoor.	05-01-2023	07-01-2023	Offline

7.	30 hours of online Facilitator Training Program on “AI Fluency, Digital Productivity, and Employability Skills”	Microsoft in collaboration with Andhra Pradesh Information Technology Academy under Microsoft Diversity Skilling Program	18-12-2023	22-12-2023	Online
8.	Course on “SEEK: Self-directed Emotional Learning for Empathy and Kindness” for CCE-Government of Andhra Pradesh”	UNESCO & Mahatma Gandhi Institute Of Education For Peace And Sustainable Development	24-01-2024	-	Online

XI. Professional Competency (Participation in RC, OC, etc)

S. No.	Course Attended	Conducted by	From	To	Grade
1.	UGC sponsored “Orientation Programme”	ASC, S.V. University, Tirupati	14-05-2012	09-06-2012	A-Grade
2.	UGC sponsored “Refresher Course in Chemistry”	ASC, S.V. University, Tirupati.	04-08-2014	23-08-2014	A-Grade
3.	SWAYAM-ARPIT Online Course “Online Refresher Course in Chemistry for Higher Education Faculty”	Sri Guru Tegh Bahadur Khalsa College, University of Delhi	01-11-2018	28-02-2019	A-Grade
4.	SWAYAM-ARPIT Online Course “Online Refresher Course in Chemistry for Higher Education”	Sri Guru Tegh Bahadur Khalsa College, University of Delhi	01-09-2019	31-12-2019	A-Grade
5.	UGC sponsored two-week online “Refresher Course in Physical & Chemical Sciences”	MMTTC, S.V. University, Tirupati.	14-10-2023	27-10-2023	A-Grade
6.	edX course on “From Fossil Resources to Biomass: A Chemistry Perspective”	An online learning initiative of Wageningen University & Research	02-05-2024	-	Received a Passing grade
7.	edX course on “Cement Chemistry and Sustainable Cementitious Materials”	An online learning initiative of Ecole Polytechnique Federale de Lausanne (EPFL)	08-05-2024	-	Received a Passing grade

8.	edX course on “Innovate & Regulate: Drug Research, Costs, Clinical Trials & Approval”	Course of study offered by Davidson College	19-05-2024	-	Received a Passing grade
9.	edX course on “Pre-University Chemistry”	Course of study offered by Delft University of Technology	20-05-2024	-	Received a Passing grade
10.	edX course on “Learn Like a Pro: Science-Based Tools to Become Better at Anything”	Course of study offered by Barbara Oakley-Oakland University & Olav Schewe, CEO, Educas	21-05-2024	-	Received a Passing grade
11.	edX course on “Material Science for Medicine Processing”	Course of study offered by Graz University of Technology	25-05-2024	-	Received a Passing grade
12.	edX course on “Climate Change: Carbon Capture and Storage”	Course of study offered by the University of Edinburgh	30-05-2024	-	Received a Passing grade
13.	edX course on “Electrochemistry”	Course of study offered by Harvard University	25-06-2024	-	Received a Passing grade
14.	edX course on “Why Move Towards Cleaner Power”	Course of study offered by Imperial College London.	11-07-2024	-	Received a Passing grade

XII. Designing of Certificate / Diploma Course:

S. No	Name of the Certificate/Add on Course Designed	Duration of the Certificate/ Add on Course	No. of learners completed the course	Year
1.	Chemistry of Milk	30 hours	30	2022-23
2.	Hands-On Training on Chems sketch and Chemdraw Chemistry Software	30 hours	30	2023-24

XIII. Papers Presented in Seminars and Conferences:

S. No.	Date	Name of the Seminar / Workshop/ Conference	Organized by	Sponsoring agency	Title of the paper
1.	09-03-2013 & 10-03-2013	National Seminar on " <i>Current Research Trends and Developments in Chemical Sciences</i> "	Dept. of Chemistry, PVKN Govt. College, Chittoor	UGC-SERO	ICP-OES: The Most Powerful and Popular Analytical Tool for the Determination of Trace Elements-A Mini Review of its Applications
2.	30-07-2014	National Seminar on " <i>Recent trends in chemistry research (NSRTCR)</i> "	Dept. of Chemistry, GDC, Kodur, Kadapa, A.P	UGC	Volumetric and acoustic properties of binary mixtures of cyclohexanol with methylbenzoate and ethylbenzoate
3.	29-10-2014 & 30-10-2014	National Seminar on " <i>The role of nanotechnology in the fields of physical and biosciences</i> "	BT College, Madanapall, A.P	UGC	"Nanotechnology-Big things from a tiny world: A mini review"
4.	12-12-2014	National Symposium on " <i>Natural products and biodiversity: Our insurance for the future</i> "	Science Tech Foundation & GDC for men, Kurnool, A.P	Science Tech Foundation, Bengaluru.	"Nanotechnology :A mini review on its application in the field of Environment, Agriculture and Food"
5.	07-03-2015 & 08-03-2015	National Seminar on " <i>Recent advances in plant science (RAPS)</i> "	PVKN Govt. College, Chittoor, A.P	UGC	"Feasibility of Ground water quality for drinking and impact on human health in Chittoor, A.P"
6.	26-06-2015 & 27-06-2015	National Seminar on " <i>The Role of statistical tools in data analysis of Research projects and thesis</i> "	PVKN Govt. College, Chittoor, A.P	UGC	"Evaluation of excess properties of binary liquid mixtures through theoretical models"
7.	25-07-2015 & 26-07-2015	National Seminar on " <i>Socio-economic factors influencing- Environmental pollution, Biodiversity & Sustainable Development</i> "	Govt. Degree College, Nagari, A.P	UGC	"Suitability of ground water quality for drinking in selective suburb mandals of Chittoor, Andhra Pradesh"
8.	14-09-2015 & 15-09-2015	National Conference on " <i>Drug Discovery</i> "	Dept. of Chemistry, S.V.	S.V. University	"Development and validation of LC-MS / MS method for the analysis of

		<i>and Developments in Chemistry</i>	University, Tirupati, A.P		2-isopropyl-5-methyl cyclohexyl dihydroxyacetate, in lamivudine “
9.	15-12-2015 & 16-12-2015	National Seminar on “ <i>India a hot spot of environmental challenges and need of the multidisciplinary approach to solve the environmental issues</i> ”	Dept of Zoology, PVKN Govt. College, Chittoor, A.P	UGC	“Evaluation of ground water quality in selected areas of Chittoor corporation, Andhra Pradesh”
10.	28-03-2016	National Conference on “ <i>Emerging Trends in Pharmaceutical and Chemical Sciences (ETPCS-2016)</i> ”	Dept of Chemistry, S.V. University, Tirupati, A.P.	UGC	“Prediction of excess volumes of the binary mixtures of 1-octanol with toluene and isomeric chlorotoluenes using Prigogine–Flory–Patterson theory”
11.	01-12-2017	National Conference on “ <i>Current Trends in Chemical and Pharmaceutical Sciences (CTCPS-2017)</i> ”	Dept of Chemistry, S.V. University, Tirupati, A.P	S.V. University	“Excess volumes and excess isentropic compressibilities of binary mixtures of cyclohexanol with organic esters at T= 298.15 and 308.15 K”
12.	03-01-2017 to 07-01-2017	104 th Indian Science Congress.	S.V. University, Tirupati, A.P.	ISCA, Kolkata.	“Investigation of intermolecular interactions in the binary mixtures of aniline and (C ₃ -C ₆) 1-alkanols through evaluation of excess partial molar volumes”
13.	07-10-2017	National Symposium on “ <i>Recent advances in Chemical and Pharmaceutical Sciences (RACPS-2017)</i> ”	Dept. of Chemistry, SVGM Govt. Degree College, Kalyandurg.	UGC	“Volumetric and acoustic studies of 1-Ethyl-3-methylimidazolium methyl sulphate with acetic and propionic acid at different temperatures”
14.	02-02-2018 & 03-02-2018	International Conference on “ <i>Advancements and Challenges in Chemical Sciences (ICACCS-2018)</i> ”	Dept of Chemistry, Pachaiyappa's College, Chennai	Pachaiyappa's College	“Excess partial molar volumes of the binary mixtures of [emim][MeSO ₄] with acetic and propionic acid at different temperatures”
15.	12-09-2018	International Conference on “ <i>Green</i>	Dept. of Chemistry, Anna Adarsh	Punjab's Association	"Volumetric properties of an environmentally benign ionic liquid 1-

		<i>Chemistry for a Greener Planet ”</i>	College for Women, Chennai		Ethyl-3-methylimidazolium hydrogen sulphate with polar solvents at different temperatures."
16.	09-02-2019	National Conference on "Recent Developments of Chemistry in Engineering Applications (NCEA-2019)"	Dept. of Chemistry, SRM Valliammal Engineering College, Kattankulathur	Indian Society for Technical Education	"Thermodynamics of binary liquid mixtures of benzylalcohol with alkylacetates: Density measurements and derived properties"
17.	15-02-2019 & 16-02-2019	National Symposium on "Plastic Pollution"	Dept. of Zoology, Vikram Simhapuri University PG Centre, Kavali	Vikram Simhapuri University PG Centre	"Classification, Synthesis, Properties, Degradation and Biomedical Applications of Biodegradable Polymers: An overview"
18.	21-02-2019 & 22-02-2019	National Seminar on "Recent Advances in Materials and Molecules (NCRAMM-2019)"	Physical Sciences, Sri Padmavati Mahila Visva Vidyalayam Tirupati, A.P.	UGC	"Volumetric and acoustic studies of benzylalcohol with (C ₂ -C ₄) alkylacetates at different temperatures"
19.	11-03-2019 & 12-03-2019	National Seminar on "Emerging Trends in Chemical Sciences (ETCS-2019)"	Dept. of Chemistry, Dravidian University, Kuppam, A.P.	UGC	"Speed of sound measurements and excess isentropic compressibilities of an ionic liquid 1-Ethyl-3-methylimidazolium hydrogen sulphate with polar solvents in the temperature range from 298.15 to 313.15 K"
20.	27-09-2019	National Seminar on "Emerging Trends in Chemical, Material and Environmental Sciences (NSETCMES-2019)"	Dept. of Chemistry, Govt. Degree College, Puttur, A.P.	Govt. Degree College, Puttur.	"Classes, properties, and diverse applications of environmentally benign ionic liquids: An overview: An Overview"
21.	07-02-2020	National Seminar on "Emerging Trends in Chemical, and Environmental Sciences (ETCES-2020)"	Dept. of Chemistry, Government College, Anantapur, A.P.	Govt. College, Anantapur.	"Insights on the non-covalent interactions of ionic liquid [BMIM][MeSO ₄] with alkyl nitriles through density measurements at T = (298.15 to 313.15) K & atmospheric pressure."

22.	02-03-2020	National Conference on "Emerging Trends in Green Energy and Environmental Sustainability"	PVKN Government College (A), Chittoor, A.P.	UGC	"Volumetric properties of environmentally benign alkyl sulphate-based imidazolium ionic liquid with acetic and propionic acid at T = 293.15 K."
23	07-01-2022 to 09-01-2022	National Conference on "NEP-2020 & The future of higher education- Post Covid Scenario"	APGCTA, GCGTA-AP, ACTA-AP	AIFUCTO	Shifting towards holistic education through student-centric methods
24	18-08-2022 & 19-08-2022	National Seminar on "Role and Inspiration of Telugu poetry and poets in attaining Indian Independence"	Dept of Telugu, SVCRR Govt. Degree College, Palamaner, A.P.	ICSSR	Indian Independence movement and the role of scientists in liberalisation
25	24-02-2023	National Conference on "Pollution Control and Sustainable Environment"	Dept of Chemistry Govt. Degree College (A), Kadapa, A.P.	ICSSR	Need to shift towards clean, reliable, accessible and affordable renewable energy resources for a sustainable future
26	24-03-2023	National Seminar on "Importance of Intellectual Property Rights in Research and Entrepreneurship"	Dept of Microbiology NPS Govt. Degree College (W), Chittoor, A.P.	ICSSR	Role of Intellectual Property Rights in Protecting the Pharmaceutical Industry

XIV. Workshops/Training Programs Attended:

S.No.	Date	Title of the Workshop	Organized by	Remarks
1	17-03-2018	Workshop on "Hands on Training for usage of Virtual Classrooms"	PVKN Govt. College, Chittoor	-
2	06-11-2019 & 07-11-2019	National Workshop on "Emerging Trends in Higher Education: The role of IQAC"	Department of Economics, N.P.S. Govt. College for Women, Chittoor	Sponsored by NAAC, Bangalore
3	12-09-2019	Hands-on training Program on "Learning Management System (LMS)"	State Project Directorate, RUSA, Govt. of A.P.	A.N. University, Guntur
4	02-06-2020	One Day Swachhta Action Plan Online Workshop	Mahatma Gandhi National Council of Rural Education in Collaboration with NSS, A.P.	Online

5	18-10-2021	Workshop/Capacity Building Programme on <i>“Coastal Research and its Applications”</i>	PVKN Govt. College (A), Chittoor	Presented paper on “Ocean pollution: Causes, Effects and Prevention”
6	28-01-2022	Environmental Sustainability	Dept. of Chemistry, GDC (M), Srikakulam	Online
7	24-02-2022	IP Awareness/Training program under National Intellectual Property Awareness Mission	Intellectual Property Office, Govt. of India	Online
8	11-06-2022	Orientation/Retraining to Teachers on NAAC Revised Quality Framework	IQAC, PVKN Govt. College (A), Chittoor	Online
8	27-06-2022	UGC sponsored workshop NEP-2020 on <i>“Good Academic Research Practices”</i>	HRDC, SV University, Tirupati	Online
9	27-06-2022	UGC sponsored workshop NEP-2020 on <i>“Technology Use and Integration”</i>	HRDC, SV University, Tirupati	Online
10	28-06-2022	UGC sponsored workshop NEP-2020 on <i>“Equity and Inclusion in Higher Education”</i>	HRDC, SV University, Tirupati	Online
11	28-12-2022 29-12-2022	Two-day Workshop on <i>“Learning Management System and Innovative Pedagogies”</i> at Acharya Nagarjuna University, Guntur	Commissionerate of Collegiate Education, Govt. of A.P.	Offline
13	11-03-2023	Workshop on “Microsoft Powerpoint”	Skill Nation, Thane Maharastra	Online
14	26-07-2023 & 27-07-2023	Recent Advances & Developments In Transdisciplinary Research”	Sri Venkateswara University, Tirupati & Seven Hills College of Pharmacy (A), Tirupati	Online
15	18-07-2024 to 20-07-2024	Three-Day Workshop for Consortium of Govt. Autonomous Colleges on Quality Mandate	CCE, Govt. of A.P. and FDA, Govt. College (A), Rajahmundry	-

XV. As a Resource Person/ Chairing a Session in Seminars/ Conferences/ Workshop/ Course/ Programme:

S. No .	Date	Acted as	Name of the Programme/ Seminar / Conference/ Workshop	Organized by	Sponsoring agency
1.	16-03-2013 & 17-03-2013	Organizing committee member	Kavithraya Bharatham – Janajeevana Vignana Sarvasvam	Dept of Telugu, PVKN Govt. College, Chittoor, A.P	UGC
2.	29-11-2013 & 30-11-2013	Organizing committee member	Rastriya Athmanirbharatha aur Hindi	Dept of Hindi, PVKN Govt College, Chittoor, A.P	UGC
3.	28-09-2015	Resource person and delivered a lecture on “ <i>Coordination Chemistry: CFT</i> ”	Orientation Programme for Junior lecturers	Department of Intermediate Education, Govt. of A.P	RJD of Intermediate Educatio, Kadapa & Dist. Vocational Education Office, Tirupati.
4.	19-10-2015 to 23-10-2015	Resource person for “ <i>Hands on Experiments</i> ”	INSPIRE Internship Program	PVKN Govt College, Chittoor, A.P	Department of Science and Technology (DST), India.
5.	18-08-2022 & 19-08-2022	Chairman of a session in the National Seminar	National Seminar on “ <i>Role and Inspiration of Telugu poetry and poets in attaining Indian Independence</i> ”	Dept of Telugu, SVCR Govt. Degree College, Palamaner, A.P	ICSSR
6.	12-10-2022 to 16-10-2022	Master Trainer	Training of Trainers Programme on “ <i>Content Delivery and Assessment Methods pertaining to Environmental Education</i> ”	APCCE, Govt of A.P	Govt College (A), Anantapur, A.P.
7.	09-12-2022	Resource person and delivered a lecture on “ <i>Renewable and Non-renewable energy</i> ”	National webinar on “ <i>Energy Conservation</i> ”	Dept of Physics, Govt. Degree College, Nandikotkur, A.P.	Govt. Degree College, Nandikotkur,
8	07-01-2023	Master Trainer	Training of Trainers on “ <i>Internship / Apprenticeship Management and Learning Management System</i> ”	APCCE, Govt of A.P	PVKN Govt. College (A), Chittoor

XVI. Academic Distinctions: (Awards, Honours etc.)

S. No.	Name of the Award	Awarded by	Year
1.	“Prathibha Award” for securing State 5 th Rank in B. Ed Entrance Test	Govt. of A.P.	2010
2.	Awarded Best Oral Presentation in International Conference on “Green Chemistry for a Greener Planet”	Anna Adarsh College for Women, Chennai.	2018
3.	Best Paper Award in the National Conference on “Recent Developments of Chemistry Engineering Applications”	SRM Valliammal Engineering College, Kattankulathur, Tamilnadu.	2019
4.	Best Teacher Award for dedicated service in the field of teaching	Lions Club of Palamaner	2019-20
5	Leadership Certificate is awarded for promoting SPIT FREE INDIA MOVEMENT through NSS to more than 5000 persons	Pledge for Life, Sambandh Health Foundation, Gurgaon	April-Dec,2020
6	Best NSS Programme officer, Chittoor Dist	Collector, Chittoor	2023-24

XVII. Seminars/Webinars Attended:

S. No.	Date	Title of webinar	Organized by	Mode of participation
1	11-05-2020 and 12-05-2020	Futuristic Perspectives of Nano Chemistry in Biomedical Applications and Electrochemical Energy Storage Devices	Department of Science and Humanities, R.M.D. Engineering College	Online
2	18-05-2020 and 19-05-2020	Chemical Safety And Environmental Protection	Department of Chemistry, Government College Autonomous, Rajahmundry	Online
3	18-05-2020 (AN)	ICT Based Teaching In Chemistry	Kasturba Gandhi Degree & PG College For Women	Online
4	19-05-2020 (AN)	Choices and Current Trends in Drug Product Development	School of Chemical & Biotechnology, SASTRA Deemed to be University	Online
5	21-05-2020 and 22-05-2020	Basic Concepts & Applications of	PG & Research Department of Chemistry, Government Arts	Online

		Electrochemistry	College(A) Kumbakonam	
6	22-05-2020 (AN)	An Insight into NAAC - RAF	Internal Quality Assurance Cell, V.O. Chidambaram College	Online
7	23-05-2020	Synthesis of Biologically Active Compounds Based on Nitrogen Heterosystem	Department of Chemistry, Annai College of Arts & Science, Kovilacheri.	Online
8	24-05-2020	New Horizons in Sustainable Polymers, Organic Synthesis, Green Chemistry and Laboratory Safety	Department of Chemistry, SSVP's Lt. Kr. Dr. P.R.Ghogrey Science College, Maharashtra	Online
9	28-05-2020 to 30-05-2020	FDP on Outcome-Based Education	SJCQAC, St. Joseph's Degree College, Kurnool	Online
10	31-05-2020	Laboratory Safety Practices	Department of Chemistry, SIES College of Arts, Science & Commerce (A)	Online
11	01-06-2020	Graphene-based Nanocomposites for Energy Storage	Department of Physics, V.O. Chidambaram College, Thoothukudi, Tamil Nadu	Online
12	04-06-2020 to 08-06-2020	Chemistry in Our Day-to-day Life	DBT Star College Scheme, Department of Chemistry, Jamal Mohamed College (A), Tiruchirappalli	Online Quiz
13	05-06-2020 and 06-06-2020	Analytical and Diagnostic Tools in Chemical and Life Sciences	Andhra University, Visakhapatnam.	Online
14	05-06-2020 (AN)	Nanomaterials- Remedy for Environmental Issues	Department of Chemistry, Justice Basheer Ahmed Sayeed College for Women (A), Chennai	Online
15	09-06-2020	Applications of Chemistry: Soldier & Society	Department of Chemistry, Sri YN College, Narsapur	Online
16	09-06-2020 (AN)	Material Science	Association of Chemistry Teachers (ACT), Madhav Science Post Graduate College and Kamala Nehru Mahavidyalaya, Nagpur	Online
17	16-06-2020	Trending Technologies Look Beyond 2020	Department Placement & Training, Narasu's Sarathy Institute of Technology, Salem	Online
18	18-06-2020	Education tools for Online Learning in Chemistry	Department of Chemistry & IQAC, St. Joseph's	Online

			College for Women(A), Visakhapatnam	
19	20-06-2020	Coping with COVID -19: Science and Safety	Department of Chemistry & IQAC, St. Joseph's College for Women(A), Visakhapatnam	Online
20	25-06-2020 and 26-05-2020	Emerging Trends in Chemistry Education and Research	Wilson College in Association with University of Mumbai and ACT, Mumbai.	Online
21	27-06-2020	A Journey to Drug Discovery: Computational Chemistry Approach	Department of Science and Humanities (Chemistry), TJS Engineering College, Thiruvallur	Online
22	05-07-2020 and 06-07-2020	Modern Instrumentaland Characterization Techniques in Applied Sciences-2020	Department of Chemistry, R.H.Govt.P.G. College, Kashipur, Uttarakhand.	Online
23	06-07-2020 (AN)	Organic Synthesis...So Fascinating	Department of Chemistry, S.V.R.K. Government Degree College, Nidadavole	Online
24	09-07-2020	Free Online Tools Useful For Effective Chemistry Lecturing	St. Vincent De Paul College, Eluru	Online
25	11-07-2020	Advanced Materials: Smart Future	Departments of Science, Shri Sant Gadge Maharaj Mahavidyalaya, Nanded, Maharashtra	Online
26	18-07-2020 and 19-07-2020	Application of Technology in the Digital Era Education	Tech Guru Education Services Group and Academy of Learning & Education	Online
27	21-07-2020	Polymer- A Century of Advancement	Department of Chemistry, Chikkanna Government Arts College, Tiruppur.	Online
28	01-08-2020 02-08-2020	Recent Advances in Materials Science & Nanotechnology	Department of Physics of Yeshwantrao Chavan College of Arts, Commerce & Science Sillod, Dist. Aurangabad	Online
29	03-08-2020 04-08-2020	Demonstration of Online Educational Tools	Adikavi Nannaya University Rajamahendravaram, AP	Online
30	28-08-2020	Chemdraw in Chemistry Teaching and Research	Department of Chemistry, GDC Razole, East Godavari	Online
31	23-09-2020	Recent Advances in Material	Dept. of Physics and Chemistry, SVCRR Govt.	Online

	24-09-2020	Science and Engineering	Degree College, Chittoor	
32	10-10-2020	Current Trends in Organic Synthesis & Challenges in Drug Development	Department of Chemistry and IQAC, S.G. Govt. Degree & PG College, Piler	Online
33	16-10-2020	Dr. Dillip Bhawalkar: His role and guidance for developments of optics and Laser technology in India	Dept. of Physics and Chemistry, SVCR Govt. Degree College, Palamaner	Online
34	21-12-2020	The Current Trends in Chemical Research and Applications	Department of Chemistry, S.K.P. Government College, Guntakal, Ananthapuramu	Online
35	12-06-2021	Online Assessment Tools & Techniques	DS Govt Degree College for Women, Ongole	Online
36	12-07-2021	Recent advances in Material Science and Technology	Dept. of Physics and Chemistry, SVCR Govt. Degree College, Palamaner	Online
37	23-09-2021 24-09-2021	Recent Advances in Material Science and Engineering	Dept. of Physics and Chemistry, SVCR Govt. Degree College, Palamaner	Online
38	20-10-2021	Climate Change and upcoming COP-26	Council for Green revolution	Online
39	18-11-2021	Research Methodology	YVNR GDC, Kaikaluru	Online
40	16-12-2021	Bloom's Taxonomy - A Tool for Outcome Based Education	D.K. Govt. College for women (A), Nellore	Online
41	28-01-2022	Green Chemistry in Pharmaceutical Industry: Current & Future Impact	J.K.K. Nataraja College of Arts & Science, Kumarapalayam.	Online
42	22-03-2022	NEP-2020: A Road Map to Revamp the Indian Education System	S.V. University, Tirupati (Azadi ka Amrit Mahotsav)	Offline
43	06-06-2022	My Action for Survival-World Environment Day	IQAC, PVKN Govt. College (A), Chittoor.	Offline
44	29-08-2022	Innovative Materials for Sustainable Energy	Department of Chemistry and Physics, DS Govt College for Women, Ongole	Online
45	03-09-2022	Webinar on Awareness of Nutraceuticals	Nutrify Today Academy in association with PVKN Govt. College, Chittoor.	Online

46	09-11-2022 10-11-2022	Environmental Sustainability and Development	YVNR Govt. Degree College, Kaikaluru, Eluru	Online
47	18-11-2022	Recent Trends in Chemical Sciences	Dr. V.S. Krishna Govt. Degree and PG College(A), Visakhapatnam	Online
48	13-12-2022 to 17-12-2022	Current Trends and Future Advances in Chemical Sciences & Life Sciences	Department of Chemistry and Botany, JMJ College for Women (A), Tenali.	Online
49	14-12-2022	Energy Conservation	GDC Nandikotkur, Nandyal	Online
50	08-05-2023	National Seminar titled “National Education Policy 2020: Realization of Goals- Role of Stakeholders”	IQAC of PRGC(A), Kakinada	Online
51	22-07-2023	Developing Innovation and Entrepreneurial Ecosystems in Degree Colleges	PVKN. Govt. College(A), Chittoor	Online
52	02-12-2023	National Webinar on “Exploring the Chemistry in Daily Life: From Breakfast to Bedtime and Beyond”	SKR & SKR Govt. College for women (A), Kadapa	Online
53	06-12-2023	International webinar on Recent advances in drug discovery and development	ASD Govt. Degree College for Women (A), Kakinada	Online

XVIII. Expert Lectures Delivered in Colleges/Institutions:

S.No.	Topic of the Lecture	College/Institution	Date/Year	Audience/ Learners
1.	Thermodynamics: Laws of thermodynamics	NPS Govt. College for Women, Chittoor	2014-15	III. B.Sc MBC Students
2.	Phase Rule: Phase Diagram of water system	NPS Govt. College for Women, Chittoor	2015-16	II. B.Sc MBC Students
3.	Photochemistry	PVKN Govt College, Chittoor	10-07-2018	III B.Sc students
4.	Concepts of Organic Chemistry	Govt. Degree College, Kuppam	17-09-2019	B.Sc chemistry students
5.	The role of drugs in modern society	S.V. Arts College, Tirupati	01-02-2020	M.Sc Chemistry students
6.	Job opportunities in the Pharma industry	SVCR Govt. Degree College, Palamaner	04-01-2022	III. B.Sc MPC, BZC Students

7.	Electrochemistry- Galvanic cells	Govt. Junior College, Bangarupalyam	03-03-2022	MPC and BiPC students of Intermediate
8.	Theories of reaction rates and Enzyme catalysis	NPS Govt. College for Women, Chittoor	12-09-2022	II. B.Sc MZC Students
9.	Chemical kinetics: Order, Molecularity, Derivation of rate constants	SG Govt. Degree College, Piler	13-09-2022	II. B.Sc BZC Students
10.	Solid State- Bragg's Equation, Defects in Crystals	Govt. Junior College, Bangarupalyam	06-02-2023	MPC and BiPC Intermediate students
11.	IR spectroscopy: Principle and Applications	SKR & SKR Govt. College for Women, Kadapa	28-10-2023	II. B.Sc Chemistry Students
12.	Solvent Extraction: Principle, Types and Applications	NPS Govt. College for Women, Chittoor	11-12-2023	II. B.Sc MZC Students

XIX. Membership in Professional Bodies:

S. No.	Name of the organization	Subject/Area of Study	Membership Type (Life Time/Annual)	Year of Enrolment
1.	Indian Science Congress Association (ISCA), Kolkata.	Chemical sciences	Life membership L31371	2016
2.	Government College Teachers Association (GCTA)	General	Unit President, PVKN Govt. College, Chittoor	2012
3.	Government College Teachers Association (GCTA)	General	Unit Secretary, PVKN Govt. College (A), Chittoor	2021

XX. Any Other Information:

- Columnist for Pratibha Page of Eenadu Daily Newspaper of A.P. & T.S. for Chemistry topics of General Studies since April-2018.
- Participated as State Contingent Leader in NSS National Integration Camp sponsored by GOI, Ministry of Youth Affairs & Sports at Telangana University, Nizamabad from 15-12-2018 to 21-12-2018.
- Acted an adjudicator for District Level Exhibition Cum Project Competition- INSPIRE Award Scheme in 2018-19, 2019-20, 2020-21 and 2022-23
- Member, Urban Task Force Committee to decentralized preparedness for the rollout of COVID-19 Vaccine.
- Acted an adjudicator for District Level Maths and Science Olympiad-2022.

- Organised in NSS Special Camping Programme as NSS PO at T.S. Agraharam (Vil), Palamaner from 24-09-2017 to 30-09-2017.
- Organised in NSS Special Camping Programme as NSS PO at Keelapatla (Vil), Gangavaram from 06-10-2018 to 12-10-2018.
- Organised in NSS Special Camping Programme as NSS PO at Berupalli (Vil), Palamaner from 01-03-2021 to 07-03-2021.
- Organised in NSS Special Camping Programme as NSS PO at P. Kothur (Vil), Chittoor from 15-03-2022 to 21-03-2022.
- Organised National level online Quiz on “Concept of Mole” to commemorate “Mole Day” on 23-10-2022.
- Acted as an adjudicator for the 30th National Children’s Science Congress-2022 held at Vignana Deepthi English Medium School, Chittoor on 17-11-2022.
- Nominated as Chairperson of the Board of Studies in Chemistry, PVKN Govt. College (A), Chittoor since 29-09-2022.
- Organised State-level online Crossword Puzzle Competition to commemorate Nobel Prize Day on 10-12-2023.
- Acted as an adjudicator for INSPIRE MANAK DLEPC: 2022-23 held at PES Public School, Chittoor from 14-02-2024 to 16-02-2024.
- Acted as an adjudicator for state-level INSPIRE MANAK SLEPC: 2022-23 held at Mother Theresa Institute of Engineering and Technology, Gangavaram from 11-03-2024 to 13-03-2024.