

TEACHER PROFILE

1. NAME : DR P.V.CHALAPATHI

2. DESIGNATION & ADDRESS : Associate Professor

Department of Chemistry
Sri Venkateswara Arts College, TTD.
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3. DATE OF BIRTH : 01-07-1968

4. CITIZENSHIP : INDIAN

5. ACADEMIC QUALIFICATIONS:

- **M. Phil.** (Chemistry): Sri Venkateswara University, Tirupati, India, 1991.
- **M.Sc.**, (Chemistry with Analytical Chemistry as Specialization): 1987, S. V. University, Tirupati, **I Division with I Rank.**
- **B.Sc.**, (Chemistry, Physics and Mathematics): 1985, S.V. University, **Distinction.**
- **B.Ed.**, 1992 Annamalai University, Chidambaram.

6. ACADEMIC POSITIONS (MOST RECENT FIRST):

Position	Institution/Employer	Date of Employment
Associate Professor	S. V. Arts College (TTD), Department of Chemistry	October 31 st , 2016 to till date
Assistant Professor	S. V. Arts College (TTD), Department of Chemistry	October 30 th , 2004 to October 30 th , 2016
Junior Lecturer	S. V. Junior College (TTD), Department of Chemistry	August 26 th , 1992 to October 29 th , 2004

7. PROFESSIONAL VISITS TO ABROAD

- **Malaysia:** Presented two papers at 5th International Congress of Chemistry on Environment at Glory Beach Resort, Port Dickson Malaysia, Organized by Research Journal of Chemistry and Environment during on May, 27-29, 2011.

8. RESEARCH EXPERIENCE

- Published 33 research papers in reputed international and national journals.
- 04 Students have been Awarded and 01 for Working for Ph.D. Programme.

❖ RESEARCH AREAS

- Developing of new Schiff's base ligands and synthesis, characterization and biological evaluation of their metal complexes.
- Developing rapid and sensitive methods for separation the estimation of metal ions in the various samples by analytical techniques.
- Established a new liquid-liquid and solid phase extraction mechanisms for the elements.
- Synthesis, Spectral Characterization and Bio-activity of Organic Heterocycles with N,O,S and P.
- Design, Synthes, Spectral characterization evaluation of Bio-Activity of urea /thiourea and sulfonamide / corbomate derivatives of drug intermediates.

9. RESEARCH GUIDENCE:

Ph.D. Awarded	:	04
M. Phill. Awarded	:	--
Ph.D. students working	:	01
M. Phill students working	:	--
Research Publications	:	33
Conferences / Seminars attended	:	30

10. ADMINISTRATIVE EXPERIENCE

1. Dy. Warden, S. V. Arts College Hostel, Tirupati, September 2011 to June 2013 and 2015.
2. Warden, S. V. Arts College Hostel, Tirupati, November 2020 to till date.
3. National Service Scheme (NSS) Programme Officer
 - i. In S.V. Junior College, Tirupati from August 2001 to October 2004
 - Attended NSS training and Orientation Programme at S.V. University, Tirupati from 26-8-2002 to 06-09-2002
 - ii. In S. V. Arts College, Tirupati from August 2008 to October 2014.

- Conducted Special Camp Programmes in S.V.University area during 24-6-2008 to 3-7-2008; 2-1-2009 to 8-1-2009 and 6-2-2010 to 12-2-2010.
 - Participated in National Integration Camp; Ministry of youth Affairs and Sports, Govt. of India organized by Maharshi Parshuram PG College, Danta (Sikar), Rajasthan from 18-12-2008 to 24-12-2008.
 - Participated in Rajiv Gandhi National Institute of Youth Development at Sriperambudur in Pilot Testing of Facilitators; Manual for Capacity Building on Parenting Programme from 12-11-2010 to 14-11-2010.
 - Attended NSS Refresher Course at Andhra University, Vishakhapatnam from 19-11-2010 to 23-11-2010.
4. Head, Department of Chemistry, S. V. Junior College, Tirupati, March 2001 to October 2004.
 5. Head, Department of Micro- Biology, S. V. Arts College, Tirupati, January 2020 to till date.
 6. Head, Department of Environmental Studies, S. V. Arts College, Tirupati, January 2020 to till date.
 7. U. G. Examination paper setter to various Colleges and Universities.
 8. Coordinator, M.Sc., Organic Chemistry 2015-2016.
 9. Scout Officer TTD Bharat Scout and Guides, S. V. Arts College, Tirupati.
 10. Assistant District commissioner TTD Bharat Scout and Guides, Tirupati.

11. MEMBERSHIP IN VARIOUS ORGANIZATIONS:

1. E – Journal of Chemistry
2. International Journal of Chemistry and Environment

12. PAPER SETTER & DEGREE LEVEL FOR THE FOLLOWING UNIVERSITIES:

1. Yogivemana University, Kadapa.
2. Nagarjuna University, Guntur.
3. Dravidian University, Kuppam.
4. State Government Confidential paper setter from 2011 to till date

13. ORIENTATION / REFRESHER COURSES ATTENDED :

1. Refresher Courses : Information Technology dt:04/03/2013 to 23/10/2013
2. Orientation Programme from 30/06/2008 to 26/07/2008
3. Refresher Courses : Information Technology dt:20/11/2006 to 09/12/2006
4. Refresher Courses : Multiculturalism dt:29/05/2017 to 17/06/2017

14. EXPERIMENTAL / ANALYTICAL SKILLS

- Proficient in purification of organic compounds by chromatographic methods (CC, TLC, Prep TLC, HPLC etc).
- Instrumentations experience on HPLC and LC-MS.
- Interpretation of Organic compounds by using UV, IR, NMR, MS technique.
- Well – Versed with air and moisture sensitive compounds, using vacuum technique.

15. CITATIONS

Citations in national and International Journals.

16. COLLABORATION

- Graduate School of Environmental studies Kwangwoon University, 139701, Seoul, RepublicKorea.

17. AWARDS

- Tirumala Tirupati Devasthanams, Tirupati “ Certificate of Appreciation” on the eve of Independence day -2021 in recognition of his extraordinary service rendered as Asst Professor in the O/o S. V. Arts College Tirupati.

18. PUBLICATIONS/BOOKS

- **BOOKS:** A Text Book of Chemistry for Ist& IInd B.Sc., DDE, SV UNIVERSITY.
- **RESEARCH PUBLICATIONS**

Total Research Publications: 33

LIST OF RESEARCH PUBLICATIONS DURING THE LAST 5 YEARS:

1. Kinetic determination of thorium(IV) from ores using 2,3,4-trihydroxyacetophenone-phenylhydrazone (THAPPH) as a chelating agent.**P. V. Chalapathi**, B. Prathima, Y, Subba Rao, K. Janardhan Reddy, D. Venkata Ramana Reddy, A. Varada Reddy, **Research Journal of Chemistry and Environment**, 15(2), 579-585, 2011.

2. Selective kinetic Spectrophotometric determination of copper(II) in food and medicinal leafy samples. **P.V. Chalapathi**, B. Prathima, Y. Subba Rao, K. Janardhan Reddy, G. N. Ramesh, D. V. Ramana Reddy, A. Varada Reddy, **Journal of Chemical and Pharmaceutical Research**, 3(2), 534-549, 2011.
3. A chelating reagent, 2, 3, 4-trihydroxy acetophenoneoxime (THAPO) used for selective and sensitive kinetic spectrophotometric determination of thorium(IV) from ores. **P.V. Chalapathi**, Y. Subba Rao, M. Jagadeesh, B. Prathima, A. Sreenath Reddy, K. Janardhan Reddy and A. Varada Reddy, **Journal of Chemical and Pharmaceutical Research**, 3(3), 223-234, 2011.
4. Catalytic and kinetic spectrophotometric method for determination of vanadium(V) by 2,3,4-trihydroxyacetophenonephenylhydrazone. **P.V. Chalapathi**, B. Prathima, Y. Subba Rao, G.N. Ramesh, A. Varada Reddy, **Journal of Saudi Chemical Society** (In press).
5. Synthesis, spectral characterization and biological activities of Mn(II) and Co(II) complexes with benzyloxybenzaldehyde-4-phenyl-3-thiosemicarbazone. B. Prathima, Y. Subba Rao, G. N. Ramesh, M. Jagadeesh, Y. Prabhakar Reddy, **P.V. Chalapathi**, A. Varada Reddy, **Spectrochimica Acta Part A: Molecular and Bimolecular Spectroscopy**, 79, 39-44, 2011.
6. Spectrophotometric evaluation of stability constants of titanium, molybdenum, iron and aluminum with gallacetophenonephenylhydrazone. M. Mallikarjuna Reddy, B. Prathima, Y. Subba Rao, **P.V. Chalapathi**, D. Venkataramana Reddy, **Inorganic Chemistry**, 6(2), 68-70, 2011.
7. A rapid and direct sensitive spectrophotometric method for the determination of molybdenum(VI) using gallacetophenonephenylhydrazone with application to alloy steel samples. D. V. Ramana Reddy, **P.V. Chalapathi** and A. Varada Reddy, **E-Journal of Chemistry**, 8(3), 1362-1370, 2011.
8. Spectral, structural and biological analysis of Cr(III) complex with benzyloxybenzaldehyde-4-phenyl-3-thiosemicarbazone. B. Prathima, Y. Subba Rao, **P.V. Chalapathi**, Y.P. Reddy, A. Varada Reddy, **International Journal of Pharmacy and Pharmaceutical Sciences**, 4(3), 2012, 167-174, 2012.
9. Chemical Properties of Drinking Water of Renigunta near Tirupati, Andhra Pradesh, India and its Impact on Human Health. S.V. Dorairaju, C. Narasimha Rao, M.

Bujagendra Raju and **P.V. Chalapathi**, **Current World Environment**, Vol. 7(1), 37-39, 2012.

10. Analysis of Drinking Water Quality and its Impact on Human Health in Chandragiri, Near Tirupati, India. S.V. Dorairaju, C. Narasimha Rao, M. Bujagendra Raju and **P.V. Chalapathi**, **Biosciences Biotechnology Research Asia**, 10(1) 379-381, 2013.

LIST OF CONFERENCES

1. Participated at **2nd AP Science Congress “Science and Technology**, organized by Andhra Pradesh Academy of Sciences, Hyderabad and S.V. University, Tirupati, during November 14-16, 2009.
2. Presented a paper, entitle by “ Selective kinetic spectrophotometric determination of copper(II) in food and medicinal leafy samples” at **International Symposium on Challenges in Drug Discovery Programme-2011**, Organized by, Karnataka State Open University, Manasagangotri, Mysore, during February-16-17, 2011.
3. Presented a paper, entitle by “Kinetic determination of thorium(IV) from ores using 2,3,4-trihydroxyacetophenone-phenylhydrazone (THAPPH) as a chelating agent” at **5th International congress of chemistry and Environment**, Organized by, Research Journal of Chemistry and Environment, Glory Beach Resort, Port Dickson, Malaysia, May-27-29, 2011.
4. Presented a paper, entitle by “Spectral and Biological Studies of Cr(III)- Benzyloxybenzaldehyde-4-phenyl-3 - thiosemicarbazone complex (Cr(III)-BBPTSC)” at **5th International congress of chemistry and Environment**, Organized by, Research Journal of Chemistry and Environment, Glory Beach Resort, Port Dickson, Malaysia, May-27-29, 2011.
5. Presented a paper entitle by Kinetic Spectrophotometric determination of traces of tungsten(II) in alloy samples using 2,3,4 - Trihydroxyacetophenonephenylhydrazone — National Seminar on **Recent Research Trends in Chemical Sciences (RRTCS -2011)**, 23rd December -2011 at Department of Chemistry, S.V. University, Tirupati.
6. Presented a paper, entitled by “Catalytic Kinetic Spectrophotometric determination of trace amount of silver(I) using 2,3,4- Trihydroxyacetophenone phenylhydrazone organized by, **Indian Analytical Science Congress 2012** held at Kanya Kumari, Tamil Nadu during January 27-28, 2012.

7. Presented a paper, entitled by Iron (III) Complex of Benzoyloxybenzaldehyde-4-phenyl-3-thiosemicarbazone: Spectral, Spectroscopic and Biological Studies. Organized by, **Indian Analytical Science Congress 2012** held at Kanya Kumari, Tamil Nadu during January 27-28, 2012.
8. Presented a paper, entitled by Extractive Spectrophotometric determination of Cu(II) in water and alloy samples with 3(3,4,5-Trimethyl)-phenylallyldine thiosemicarbazone (TMPAT) at Biotic and Abiotic Molecules — **Their Health effects and Therapeutic Applications at DST purse**, S.V. University, Tirupati, 24th and 25th February - 2012.
9. Presented a paper entitled by “Molecular Interactions in Ternary Mixtures” **7th National Conference on Thermodynamics of Chemical, Biological and Environmental Process (TCBEP-2012)**, December 10-12, 2012 held at department of Chemistry, S.V. University, Tirupati.
10. Presented a paper entitled by “Correlation Analysis of drinking Water Quality on Human Health in Ramapuram, near Tirupati, India” in **II national conference on Application of Analytical Tools in chemical and Biological Sciences** on 4th and 5th October, 2013 organised by Department of Chemistry, DKM College for Women, Sainathapuram, Vellore – 632001.
11. Presented a paper entitled by “Effect of Ground Water Quality on Human Health in Rural Areas; A case study through Correlation Studies in Industrial Area, near Tirupati, India” in an **International Seminar on Emerging Trends in Synthetic Organic and Medicinal Chemistry (ESMC-2013)** on 13th to 15th November, 2013 organised by Department of Chemistry, Vikramasimhapuri University, Nellore, A.P., India.
12. Presented a paper, entitled by “Selective Kinetic Spectrophotometric Determination of Titanium(IV) in Ilmenite” in a **National Seminar on Recent Trends in Organic Chemistry (NSRTOC)** on 19th December 2013 organised by Department of Chemistry, S.V. Arts College, Tirupati, India.
13. Presented a paper entitled by “Impact of Drinking Water Quality on Human Health in Ramapuram near Tirupati, India” in an **International Symposium on Environmental Pollution, Nutrition and Genetics (IEPNG-2013)** on 27-29 December, 2013 jointly organised by Vikramasimhapuri University, Nellore, A.P., India and UNT Health Sciences Centre, Texas, USA.

14. Presented an Invited Talk on Environmental Protection in a **National Seminar on Green Chemistry - Its Impact on Environmental Protection (GCIEP)** on 6th February, 2014 organised by the Departments of Chemistry, Botany and Zoology of Sir CR Reddy Autonomous College, Eluru, India.
15. Presented a paper entitled by “Assessment of Drinking Water Quality through Correlation Studies and its Impact on Human Health in Renigunta, near Tirupati, India” in a **National Conference on Role of Chemistry in Energy Development and Environmental Protection (RCC-2014)** on 3-4, March, 2014 organised by Department of Chemistry, S.V. University, Tirupati, A.P., India.
16. Presented paper in **National Seminar on Recent Trends in Chemistry Research 2014 (NSRTCR)** on July-2014 organised by Department of Chemistry, Govt Degree College kodur(RS),Kadapa(DT),Andhrapradesh.
17. Presented paper in **33rd Annual National Conference of Indian council of in Chemistry** held at Department of Applied Chemistry, Indian School of MINES, Dhanbad on 15th-17th December, 2014.
18. Participated in **50th National & International Conference of the Indian Academy of Applied Psychology** on 23-25th January, 2015 Organised by Department of Psychology S.P.W.Degree &P.G.College(TTD 'S),Tirupati,A.P.India.
19. Participated as Resource Person in the **orientation Programme for Junior Lecturer, conducted by the Department of Intermediate Education, A.P.** Organised by RJD of Intermediate Education, Kadapa from 30.9.15 to 1.10.15.
20. Poster presentation in the **National Conference on “Emerging Trends in Pharmaceutical and Chemical Science” (ETPCS-2016)** held during 28th & 29th March-2016 S.V.University,Tirupati, A.P, India.
21. Participated in the **104th Indian Science Congress** held at 2016 S.V.University, Tirupati, from January 3 to 7, 2017.
22. Poster presentation in **Current Trends in Chemical and Pharmaceutical Sciences (CTCPS-2017)** 1st December 2017, organised by Department of Chemistry, S.V.University, Tirupati ,A.P, India.

23. Poster presentation in **Current Trends in Chemical and Pharmaceutical Sciences (CTCPS-2017)** 1st December 2017, organised by Department of Chemistry, S.V.University, Tirupati ,A.P, India.
24. Presented paper in **UGC-SERO National Seminar on Role of Chemistry in Nano Technology** on 13th-14th March, 2019 organised by Department of Chemistry, S.V.Arts College, Tirupati, A.P, India.
25. Participated e-Pdf Programme ‘**Recent Developments in Chemical Research for Societal Applications**’ on 3rd to 8th August,2020 organised Yogivemana University, Kadapa, A.P. India.
26. Participated “**Sri Madandhra Bhagavatham Pothana Bhakthi Madhuryam**” e-National Seminar on 16.08.2020, organised by Department of Telugu, S.V.Arts College, (TTD `S)Tirupati, A.P, India.
27. Participated “**New Education Policy-Its Importance &Impact of India**”-Webinar on 17th August, organised by Department of Political Science, S.G. Govt Degree College,Piler, Chittoor (DT),AP, India.
28. Participated in **Current Trends in organic synthesis &challenges in Drug Development** National Webinar on 10th August, 2020 organised by Department of Chemistry, Piler,Chittoor (DT),AP, India.
29. Participated in “**Enhancing Digital Proficiency A Platform for refining the Research and Technology Skills**” Faculty Development programme, 12th-16th August,2020 organised by Department of Chemistry, Adikavi Nannaya University, Raja Mahendravaram, AP,India.
30. Participated International Webinar on 18th ,19th & 21st September,2020 organised by Department of Studies in Chemistry, Manasagangotri, Mysuru, Karnataka, India.
31. Participated **National Webinar titled ‘signal transduction mechanisms by hormones and growth factors’** on 19th November 2020 organised by Department of Bio Chemistry, Indian Academy Degree College-Autonomous, Bengaluru.
32. Participated in “**National online Quiz on Microbiology**” on 27.10.2020 Conducted by the Department of Microbiology, S.V.Arts College, TTD, Tirupati, Chittoor District, A.P,India.

33. Participated in **National Level E-Quiz on Chemistry** Conducted by the Department of Chemistry, S.V.Arts College, TTD, Tirupati, Chittoor District, A.P,India on 27.10.2020.
34. Participated in **National Level E- Quiz on Environmental Studies** Conducted by the Department of Environmental Studies, S.V.Arts College, TTD, Tirupati, Chittoor District, A.P,India on 25.10.2020.
35. Participated in the **“Webinar on National Education Policy 2020”** Organised by Goa Business School, Goa University on 16th August, 2020.
36. Participated **National Webinar on “H-Cardanol: Synthesis and Applications** held on 10th September 2020 Organised by the Department of Studies in Chemistry, Manasagangotri, University of Mysuru, Karnataka, India.
37. Participated in **International Webinar on “Errana Nrusimha puranam &Astavadhanam”** organised by the Department of Telugu on 4th September 2020, S.P.W.Degree &P.G.College,TTD ,Tirupati, A.P. India.
38. Participated in Virtual Faculty Development Program on **“Challenges and opportunities in Diverse field: pre and post pandemic Era”** organised by the Department of Biochemistry, Rayalaseema Univrsity, Kurnool, 2-6 September 2020.
39. Participated in six day Faculty Development programme (e-FDP) on **“Recent Development in Chemical Research for societal Applications”** on 3rd to 8th , August, 2020 organised by Department of Chemistry, Yogivemana University, Kadapa ,A.P. India
40. Participated in 1 Week International and Faculty Development Programme on **“Enhancing Digital Programme: A Platform for Refining the Research and Teaching Skills”**on the dates 12th-16th August,2020 organised by Adikavi Nannaya University,Raja Mahendravaram, AP,India.