

Profile

Name (Fr./Dr./Mr./Mrs./Ms.) : DR. V. PRIYA



Gender : Male Female

Department : CHEMISTRY

Educational Qualification : M.Sc.,M.Phil.,Ph.D

| S. No. | Degree / Diploma | Subject / Main | Percentage | Name of the College / University |
|--------|------------------|----------------|------------|------------------------------------------------|
| 1. | U.G. | CHEMISTRY | 77% | HOLY CROSS COLLEGE, BHARATHIDASAN UNIVERSITY |
| 2. | P.G. | CHEMISTRY | 80% | HOLY CROSS COLLEGE, BHARATHIDASAN UNIVERSITY |
| 3. | M.Phil. | CHEMISTRY | 77% | ST. JOSEPH'S COLLEGE, BHARATHIDASAN UNIVERSITY |
| 4. | Ph.D. | CHEMISTRY | | ST. JOSEPH'S COLLEGE, BHARATHIDASAN UNIVERSITY |

Technical qualification:

| S. No. | Degree / Diploma | Subject / Main | Name of the College / University |
|--------|---------------------------------------|----------------|----------------------------------|
| 1. | Typewriting (English) Senior Grade | -- | Tamil Nadu Government |

Aided Management Shift I Shift II

Teaching Experience at Holy Cross College: ___19___ Years

Teaching Experience outside Holy Cross College: ___Nil___ Years

Total Teaching Experience: ___19___ Years

Research:

M.Phil. Guided: 04

Ph.D. Guiding: 04

Journal / Articles Published:

1. Priya Roseline. V and Priya. V (2021) *Sarcostemma acidum* stem extract mediated synthesis and characterization of copper oxide nanoparticles, *International Journal of Botany studies*, Volume 6, Issue 3, p. 422-426, May 2021.
2. Priya Roseline. V and Priya. V (2021) GC-MS Analysis of Bio-Active Compounds in Ethanolic Extract of *Sarcostemma acidum* Stem, *International Journal of Modern Agriculture*, Volume 10, No.2, p. 3709- 3713, May 2021
3. Priya. V, Subalakshmi M and Priya Roseline.V., (2021). Synthetic Utility Of N-Chlorosuccinamide in the Oxidation of isatin in Aqueous Acetonitrile Medium- A Kinetic and Mechanistic Study. *International journal of biology, pharmacy and allied Sciences*. Vol. 10 Issue 2, December 2020. (Web Of Science)
4. Subalakshmi. M and Priya. V., (2021). Invitro Antimicrobial Activity of N-Chloropicolinamide. *International journal of biology, pharmacy and allied Sciences*. Vol. 10 Issue 5, May 2020. (Web Of Science)
5. Priya Roseline. V, Priya. V and M. subalakshmi., (2021). Synthesis and characterization of N-Chloroamide a New, Mild, Stable, Effective and Efficient Oxidant for organic substrates. *International Journal of All Research Education and Scientific Method*. Vol. 9 Issue 4, April 2020. (UGC Journal).
6. Priya. V and Subalakshmi M (2020) Study of oxidation of dyes by N-chlorosuccinimide in aqueous acetic acid medium: A kinetic and mechanistic study, *International Journal of Chemical Studies*, Vol.8, No.5, p. 535 - 537, September to October 2020
7. V.Priya, M.Subalakshmi; et al ;(2019). A Review on Recent Progress in the Synthetic Utility of N-Halo compounds and Their Biological Significance. *International Journal of Innovative Science, Engineering & Technology*. Vol. 6 Issue 12, December 2019. (UGC Journal)
8. M. Subalakshmi and V. Priya., (2019). Synthesis And Characterization Of N-Chloropicolinamide: A New, Mild, Stable, Effective And Efficient Oxidant For Organic Substrates. *Rasayan journal of chemistry*. Vol-12(3) July-sep 2019.(Scopus indexed journal).
9. Priya V. and Subalakshmi M., (2018). Kinetics and mechanism of oxidation of benzaldehyde di-n-butyl acetal by N-Chloroisonicotinamide in aqueous acetonitrile medium. *International journal of recent scientific research*. (UGC and ICI Journal)
10. Priya V. and Subalakshmi M., (2018). A mechanistic investigation of the oxidation of acetals by N-Chloroisonicotinamide in aqueous acetonitrile medium. *International journal for research in applied science & engineering technology*. **6**: (UGC Journal)
11. Priya V. and Subalakshmi M., (2017). Mechanistic study of oxidation of p-methoxy benzaldehyde di-n-butyl acetal by N-Chloroisonicotinamide in aqueous acetonitrile acid medium – A kinetic approach. *Research journal of chemical and environmental science*. **5**: (UGC and ICI journal)
12. Priya V. and Subalakshmi M., (2017). Kinetic and mechanism of oxidation of benzyl ethers by N-Chloroisonicotinamide in aqueous acetic acid medium. *International journal of chemtech research*. **10(10)**: (ICI journal).
13. Priya V. and Subalakshmi M., (2017). Mechanistic study of oxidation of aromatic monoethers by N-halo compound-A kinetic approach. *International journal of pharmaceutical chemical and biological sciences*. **7(1)**: (UGC Journal).
14. Priya V., (2016). Oxidation of aromatic monoethers by N-Chloronicotinamide in aqueous acetic acid medium – A kinetic approach. *International journal of IT, Engineering and applied sciences research*. **5(1)**:

15. Priya ., (2014). Pharmacologically active N-chloroisonicotinamide in the kinetic study of oxidation of p- methyl benzaldehyde di-n-butyl acetal. *international journal of research and development in pharmacy & life sciences. (ICI Journal)*
16. Priya V. and Mathiyalagan N., (2012). Kinetics and mechanism of oxidation of benzyl phenyl ethers by N-chloronicotinamide in aqueous acetic acid medium. *Research Journal of Chemistry and Environment. 16(1):* 23-27 (scopus and UGC indexed journal).
17. Priya V. and Mathiyalagan N., (2011). N-chloroisonicotinamide – A new, mild, effective, efficient and less expensive oxidant for organic substrates. *Asian Journal of Chemistry. 23(4):* 1871-1872. (scopus indexed journal).
18. Priya V. and Mathiyalagan N., (2011). Kinetic study on the reaction of N-chlorosuccinimide with benzyl phenyl ethers in aqueous acetic acid. *Journal of Chemical and Pharmaceutical Research. 3(1):* 522-528.
19. Priya V., Balasubramaniyan N and Mathiyalagan N., (2011). Mechanistic study of oxidation of alcohols by N-bromoisonicotinamide in aqueous acetic acid medium. *International Journal of Chemtech Research. 3(3):* 1096-1101. (scopus & ICI Journal)
20. Priya V. and Mathiyalagan N., (2011). Synthetic utility of vitamin B3 derivative in the oxidation of benzyl p-methyl phenyl ether. *RETELL. 12(1):* 25-30.
21. Priya V., Balasubramaniyan N and Mathiyalagan N., (2010). Reactivity in the oxidation of benzyl ethers by N-bromonicotinamide in aqueous acetic acid medium. *Journal of Indian Chemical Society. (87):* 967-970. (scopus indexed journal).
22. Priya V. and Mathiyalagan N., (2010). Chlorination of phenol and p-nitrophenol by N-chloronicotinamide in aqueous acetic acid medium – A kinetic and mechanistic study. *Asian Journal of Chemistry. (22:7):* 5218-5222. (Scopus Indexed journal).
23. Priya V. and Mathiyalagan N., (2010). N-chloronicotinamide oxidation of benzyl phenyl ether in aqueous acetic acid medium: Synthesis, kinetics and mechanistic study. *RETELL. 11(2):* 114-117.
24. Priya V. and Mathiyalagan N., (2009). Kinetics and mechanism of oxidation of benzyl ethers by N-chloronicotinamide in aqueous acetic acid medium. *Journal of Indian Chemical Society. (86):* 453-457. (Scopus journal).
25. Priya V. and Mathiyalagan N., (2009). Mechanistic study of oxidation of benzyl ethers by 1-chlorobenzotriazole in aqueous acetic acid. *Asian Journal of Chemistry. (21: 8):* 6130-6134. (Scopus journal).
26. Priya V. and Mathiyalagan N., (2008). Kinetics and mechanism of oxidation of vanillin by N-chloronicotinamide in aqueous acetic acid medium by volumetric method. *RETELL. (8:1):* 22-27.
27. Priya V. and Mathiyalagan N., (2007). Oxidation of diols by 1-chlorobenzotriazole in aqueous acetic acid medium-A kinetic and mechanistic study. *RETELL. (7:2):* 24-31.
28. Priya V. and Mathiyalagan N., (2006). Kinetics and Mechanism of oxidation of benzyl alcohol by N-chloronicotinamide in aqueous acetic acid medium by volumetric method. *RETELL. (7:1):* 20-24.
29. Sridharan R., Mathiyalagan N. and Priya V., (2005). Kinetics and mechanism of oxidation of aliphatic alcohols by N-chloronicotinamide in aqueous acetic acid medium. *Journal of Indian Chemical Society. (82):* 795 – 798. (Scopus journal).
30. Priya V. and Padmini R., (2005). Effect of solvent on the deoxygenation of aromatic ketoximes by iodobenzene dichloride. *HCRJ(1:1).*

List of significant publications (with details)

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| Papers Published : | 30 |
| Accepted : | 01 |
| Communicated : | -- |

Orientation/Refresher Courses attended

| Name of the Course | Academic Staff College, University | Duration in Days | From – To (Mention Date here) |
|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------|
| 93 rd Orientation Programme | UGC-HRDC, Bharathidasan University | 28 days | 2-03-2017 to 29-03-2017 |
| One Week National Faculty Development Program on “Learning Management System (MOODLE) For Online Teaching-Learning” | Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD | 7 days | 11-10-2020 to 17-10-2020 |
| One Week Online National Faculty Development Program/ Refresher Course on “Enhancing Quality of Chemistry Education in India” | Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education. | 7 days | 25-02-2021 to 3-03-2021 |

Conference/Seminar/Workshop/ Training Programme attended - Academic & General:

| S. No. | Theme | Place | International / National / State level | Year | Resource Person / Paper Presentation / Participation |
|--------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------|-------------------------------------------------|------------------------------------------------------|
| 1. | Innovation in education conference | Soegijapranata catholic University, Indonesia | International Level | 29 th -30 th October 2019 | Paper presented |
| 2. | Innovation in education conference | Soegijapranata catholic University, Indonesia | International Level | 29 th -30 th October 2019 | Chair person |
| 3. | Training programme | Holy Cross College | - | 5 th October 2019 | Trainer |
| 4. | Smart Applications for Environmental Quality Assessment and Promoting Health Care Systems Using Internet of Things | K.S.Rangasamy College of Technology | International Level | 28 th & 29 th August 2019 | Participated |

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| 5. | Expanding Frontiers in Chemistry | Arul Anandar College | International Level | 13 th September | Paper presented |
| 6. | Frontier areas in chemical Technologies | Alagappa University | International level | 25 th & 26 th July 2019 | Paper presented |
| 7. | Nano National summit-Current Trends and Future Perspectives | Holy Cross college | National level | 9 th & 10 th January 2019 | Participated |
| 8. | Oxidation of tartrazine by N-chlorosuccinimide in aqueous acetic acid medium – a kinetic approach | Jamal Mohamed College | International level | 19 th December 2018 | Paper presented |
| 9. | Recent progress in the use of N – Chloroisonicotinamide in organic synthesis | Holy cross college | International level | 25 th -27 th July 2018 | Paper presented |
| 10. | Workshop on nuclear magnetic resonance spectroscopy A mechanistic investigation of the oxidation of p-nitrobenzaldehyde-di-n-butylacetal by N-chloroisonicotinamide in acetonitrile medium | Gandhigram university j. j college of arts and science | National level | 8 th and 9 th March | participated |
| 11. | Kinetic and mechanism of oxidation of benzaldehyde di-n-butyl acetal N-Chloroisonicotinamide in aqueous acetonitrile medium | St.joseph's college | National level | 8 th February 2018 | Participated |
| 12. | Advanced oxidation processes(AOP 2017) | Anna University | National Seminar | 17 th to 19 th December 2017 | Paper presented |
| 13. | Basic laboratory skills | Holy cross college | | 1 st December 2017 | participated |
| 14. | State council of educational research and training | Anna university | State level | 20 th , 21 st and 22 nd July 2017 | Paper presented |
| 15. | Mechanistic study of oxidation of m-nitrobenzaldehyde di-n-butyl acetal by n-chloroisonicotinamide in aqueous acetonitrile medium | St.joseph's college | National level | 19 th January 2017 | Paper presented |
| 16. | Synthetic utility of pharmacologically active compound N-chloroisonicotinamide in the kinetic study of oxidation of m-chlorobenzaldehyde di-n-butyl acetal | Jamal Mohamed college | International level | 7 th January 2017 | Paper presented |
| 17. | International seminar on chemical biology | Prist university | International level | 29 th December 2016 | participated |

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| 18. | Chemistry of biomolecules- current trends and future perspectives | Madurai kamaraj university | International level | 27 th and 28 th july 2016 | Participated |
| 19. | Synthesis and characteristic study of a biologically active new oxidant N-chloroisonicotinamide | Bishop heber college | International level | 25 th and 26 th February 2016 | Paper presented |
| 20. | Pharmacologically active N-chloroisonicotinamide in the kinetic study of oxidation of <i>p</i> -methylbenzaldehyde di-n-butyl acetal National Conference on Evolutionary Trends in Biological and Pharmaceutical Chemistry | Holy Cross College, Trichy | National level | 30 th and 31 st January 2014 | Paper Presented |
| 21. | Synthesis of pharmacologically active oxidant, N-chloroisonicotinamide and its utility in the kinetic study of oxidation of aromatic diether DST and UGC Sponsored International Conference on Chemistry in Synergy with Materials and Biology | Bishop Heber College, Trichy | International level | 10 th and 11 th January 2014 | Paper Presented |
| 22. | Science Academies Sponsored Lecture Workshop on Advances in Chemistry | Gandhigram Rural Institute-Deemed University, Gandhigram | National level | 6 th and 7 th September 2013 | Participated |
| 23. | Workshop on Microscale Experiments in Chemistry | Stella Maris College, Chennai | National level | 23 rd and 24 th November 2012 | Participated |
| 24. | Mechanistic study of oxidation of benzyl methyl ether by a new oxidant, N-chloroisonicotinamide in aqueous acetic acid medium – A kinetic approach. Synthetic utility of nicotinamide derivative in the oxidation study of benzyl isopentyl ether in aqueous acetic acid medium National Symposium on Recent Developments in Chemistry (NSRDC – 12) | Srinivasan College of Arts and Science, Perambalur | National level | 25 th February 2012 | Papers Presented |

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| 25. | <p>Invitro antimicrobial studies of N-chloronicotinamide and its utility as an effective oxidant</p> <p>International Seminar on Emerging Trends in Life Science (AURORA-2DX1)</p> | Navarasam Arts and Science College for Women, Arachalur, Erode | International level | 18 th August 2011 | Paper Presented |
| 26. | <p>Synthesis, Spectral Characterization and Antimicrobial Activities of N-bromoisonicotinamide and N-chloroisonicotinamide</p> <p>National Conference on Recent Trends in Organic Synthesis – 2011 (RTOS-2011)</p> | School of Chemistry, Bharathidasan University, Trichy | National level | 24 th February 2011 | Paper Presented |
| 27. | <p>A Study of antimicrobial activities of N-chloronicotinamide</p> <p>Synthetic utility of Vitamin B3 derivative in the study of oxidation kinetics of organic substrates</p> <p>Kinetics of the N-chloronicotinamide oxidation benzyl ethyl ether to benzaldehyde</p> <p>National Seminar on Recent Trends in Chemistry (NSRTC – 2011)</p> | AVC College, Mannampandal, Mayiladuthurai | National level | 25 th February 2011 | Papers Presented |
| 28. | Orientation Programme for Research Scholars | St. Joseph's College, Trichy | State level | 18 th January 2011 | Participated |
| 29. | <p>Microwave assisted Williamson synthesis of benzyl p-nitrophenyl ether and its kinetic study of oxidation by N-chloronicotinamide</p> <p>International Conference on Green Chemistry and Sustainable Environment (GCASE – 2010)</p> | Holy Cross College, Trichy | International level | 7 th and 8 th July 2010 | Paper Presented |
| 30. | <p>Kinetics of N-chloronicotinamide oxidation of benzyl phenyl ether in aqueous acetic acid medium</p> <p>UGC Sponsored National Conference on Recent Trends in Chemistry (RTC – 4)</p> | Jayaraj Annapackiam College for Women, Periyakulam | National level | 18 th and 19 th February 2010 | Paper Presented |
| 31. | <p>Oxidation of benzyl ethers by N-chloronicotinamide in aqueous acetic acid medium – A kinetic and mechanistic study</p> <p>International Conference on Recent Research Trends in Chemical Sciences (ICRRTCS '09)</p> | VIT University, Vellore | International level | 2 nd to 6 th December 2009 | Paper Presented |
| 32. | Kinetics and mechanism of oxidation of benzyl isobutyl ether by N-chloronicotinamide in aqueous acetic acid medium | Thiagarajar College, Madurai | National level | 24 th and 25 th September 2009 | Paper Presented |

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| | National Seminar on Modern Trends in Chemistry | | | | |
| 33. | Oxidation of benzyl n-butyl ether by N-chloronicotinamide in aqueous acetic acid medium and mechanistic study. National Conference on Recent Advances in Chemistry (NCRAC-2009) | Bishop-Heber College, Trichy | National level | 18 th September 2009 | Paper Presented |
| 34. | Oxidative cleavage of benzyl isopropyl ether by N-chloronicotinamide in aqueous acetic acid medium by potentiometric method State Level Seminar on Emerging Trends of Research in Chemical and Biochemical Sciences (SLSETR-2009) | AVVM Sri Pushpam College, Poondi | State level | 25 th August 2009 | Paper Presented |
| 35. | Science Academies sponsored Lecture Workshop on Frontiers in Chemistry | National College, Trichy | National level | 13 th and 14 th March 2009 | Participated |
| 36. | Synthetic utility of heterocyclic derivatives in the study of chlorination of phenol and p-nitrophenol National Seminar on Recent Advances in Chemistry (NSRAC-09) | A.V.C College, Mayiladuthrai | National level | 27 th and 28 th February 2009 | Paper Presented |
| 37. | Mechanistic study of benzyl n-propyl ether ... potentiometric method | Holy cross college | National level | 5 th December 2008 | Paper presented |
| 38. | Extensive dimensions in chemistry | Dhanalakshmi srinivasan college | National level | 28 th February 2008 | Participated |
| 39. | Corrosion and its control | Holy cross college | National level | 30 th November and 1 st December | Participated |
| 40. | E – content development | Holy cross college | National level | 21 st august 2007 | Participated |
| 41. | Application of aldehydes | Holy cross college | National level | 28 th and 29 th march 2007 | Paper presented |
| 42. | Oxidation of substituted acetophenone semicarbazones by iodobenze dichloride in ethandic – koH- a kinetic and mechanistic study | Gandhigram university | National level | 6 th January 2006 | Paper presented |
| 43. | Recent advance in nano science and technology | Periyar university | National level | 29 th and 30 th September 2005 | participated |
| 44. | Futuristic biosciences and research | Holy cross college | National level | 20 th November 2004 | Paper presented |

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| 45. | Oxidation kinetics of alcohol by nicotine derivative | St. Joseph college | National level | 21 st February 2002 | Paper presented |
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Details of membership in professional bodies /journals, editors, consultancy, resource person

1. Senior Member of INSc International Publishers (IIP) ISO 9001:2015 certified and registered under Ministry of MSME and Corporate affairs, Government of India. Membership No. INSc2021C4A7
2. Professor C.N.R.Rao Best Young Scientist Award on February 28, 2020, Sponsored by BOSE SCIENCE SOCIETY Pudukkottai, TamilNadu, India.
3. Member of BOSE SCIENCE SOCIETY Pudukkottai, TamilNadu, India.
4. Acted as a **RESOURCE PERSON** and delivered a lecture on “Green Chemistry Towards Sustainable Environment” in Department of Chemistry, St. Joseph’s College, Trichy, 2nd March 2016.
5. **CHAIR-PERSON** in the National Conference on “Recent Advances in Chemistry Research and its Applications” (NCRACRIA-17), Department of Chemistry, St. Joseph’s College, Trichy, 19th January 2017.
6. **RESOURCE PERSON** in the “Seminar on Developing New Curriculum-2017”, organized by STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING, TAMIL NADU, held at Anna University, Chennai, 20th to 22nd July 2017.
7. **RESOURCE PERSON** in One-Day Workshop on “Basic Laboratory Skills”, Department of Chemistry, Holy Cross College, Trichy, 1st December 2017.
8. Faculty for Distance Education M.Sc Chemistry classes, Bharathiar University
9. Faculty for TRB coaching classes in CARE Chemistry Tuition Centre, Trichy
10. Resource person in Training Programme for Science Graduate Teachers on “Samacheer Kalvi”, Holy Cross College, 27th August 2011
11. Resource person in National Workshop on “Green Techniques in Chemistry Laboratory Experiments, Holy Cross College, 9th January 2013
12. Resource person in Training Programme for PG teachers on “Microscale Experiments with Green Techniques”, Holy Cross College, 23rd August 2013
13. Judge for Fine arts competitions in various colleges

Visit to Foreign Countries: Innovation in Education Conference, Soegijapranata catholic University, Indonesia, 29th-30th October 2019

Other Honors /Awards/Achievements/ Responsibilities:

1. PTA Co-ordinator, 2019 Onwards
2. Swayam Co-ordinator, 2018 Onwards
3. Organizing Secretary, National Conference on Evolutionary Trends in Biological and Pharmaceutical Chemistry,
4. Holy Cross College, 30th and 31st January 2014
5. Fine arts Core Committee Member, Holy Cross College, 2007-2010 & 2011-2012
6. Assistant Staff Secretary (Shift II), Holy Cross College, 2006-2007

Residential Address:

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