



Name : Dr.T.Sumitha Celin
Gender : Female
Designation : Assistant Professor
Department : Chemistry
DateofBirth : 03.03.1977
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Qualification : M.Sc,M.Phil,B.Ed,SLET,Ph.D
List of Publications :

S.No	TITLE
1.	Green synthesis, characterization, antimicrobial studies of NiO nanoparticles and enhanced photocatalytic degradation of organic pollutant, Kalyanasundaram Indhu, Thangadurai Sumitha Celin* , George Allen Gnana Raj, Romanian Journal of Ecology & Environmental Chemistry, 5(2), 2023 ,41-49, https://doi.org/10.21698/rjeec.2023.204
2.	Luminescence quenching studies of [Ru(dMeObpy) ₃] ²⁺ complex by quinone derivatives - effect of micelles, T. Sumitha Celin , G. Allen Gnana Raj, Journal of Particle Science and Technology, 2023 ,9(1),35-42
3.	A study of Binding of DNA extracted from onion with Ruthenium polypyridyl complexes, Abisha, T. Sumitha Celin , G. Allen Gnana Raj, Research Journal of Chemical Sciences, 2022 ,12(3),20-24.
4.	Binding study of novel Ru(II) Bipyridine Benzoyl Picolinic acid complex on E.Coli genomic DNA, Santhiya.S,Sheeba Daniel, Sumitha Celin.T , Allen Gnana Raj.G, Crossian Resonance, 2021 , voll2(1), 87-95.
5.	Photoinduced Electron Transfer Reactions of tris(4,4'-dimethoxy-2,2'-bipyridyl)ruthenium(II)cation with quinones in aqueous medium, T.Sumitha Celin , G. Allen Gnana Raj Advanced Materials Letters,2020,11(11),20111575,DOI: 10.5185/amlett.2020.111575.

6.	Luminescence quenching of tris(4,4'-dimethyl-2,2'-bipyridyl)ruthenium(II) complex with quinones in aprotic polar medium, T. Sumitha Celin , G.Allen Gnana Raj, Indian Journal of Chemistry, 59A, 2020, pp 923-928.
7.	Micellar Effect on Photoinduced Electron Transfer Reactions of Ruthenium(II)Polypyridyl Complexes with Quinones:Effect of CTAB, T.Sumitha Celin , G. Allen Gnana Raj, Open Journal of Inorganic Chemistry, 2019 , 9, 1-10.
8.	Binding of tris(4,4'-dimethoxy-2,2'-bipyridyl)ruthenium(II) Cation with Quinones in 50% Aqueous Acetonitrile, T.SumithaCelin , G. Allen Gnana Raj, J.Adv.Chem.Sci, 2019 ,5(1),609-611.
9.	Luminescent Quenching studies of tris(2,2'-bipyridyl)Ruthenium (II) cation with Quinones in aprotic polar medium, T.SumithaCelin , G. Allen Gnana Raj, Crossian Resonance, 10(2), 2019 , 112-120.
10.	Effect of Oxygen on Photoinduced Electron Transfer Reactions of Ru(II) Polypyridyl Complex with Quinones in 50% Aqueous Acetonitrile and Aqueous Medium, T.Sumitha Celin , G. Allen Gnana Raj, Int. J. Res. Chem. Environ, 2019 ,9(1) ,11-15.
11.	A Study on the Binding Interaction of [Ru(bpy)3]2+ complex with quinones in neutral micellar medium, T.Sumitha Celin , G. Allen Gnana Raj, International Journal of Advanced Scientific Research and Management, 4, 2019 , 72-76.
12.	Binding Studies of Ruthenium(II) Polypyridyl Complexes with Quinones in Triton X-100 , T.Sumitha Celin , G. Allen Gnana Raj, Chemical Science Transactions, 2018 ,7(4),703-707.
13.	Binding of Ruthenium (II) Polypyridyl Complexes with Quinones in DMF, T.Sumitha Celin , G.Allen Gnana Raj, International Journal of Chemical and Physical Sciences, 2018, 7(4), 23-27.
14.	Binding Studies of Ruthenium (II) Polypyridyl Complex with Quinones in Aprotic Polar Medium, T.Sumitha Celin , G. Allen Gnana Raj, International Journal of Innovative Research in Science, Engineering and Technology, 2017, 6(3), 1478-1483.
15.	Micellar Effect on the Photoinduced Electron Transfer Reactions of Ruthenium (II)-Polypyridyl Complexes with Quinones, T. Sumitha Celin , G. Allen Gnana Raj, Journal of Chemical and Material Research, 2017, 6 (2,3), 31-36.
16.	Spectrophotometric Characterization of Ruthenium (II)-Polypyridyl Complexes with para Quinones in aqueous medium, T.Sumitha Celin , G. Allen Gnana Raj, International Journal of Advanced Research, 2017, 5 (2), 843-847.
17.	Inclusion complexation of 2-aminopyrimidines withb-cyclodextrin, physico-chemical and nuclear magnetic spectroscopic studies, , T.SumithaCelin , S.Nagarajan, Materials Science-Poland, 2014, 32(1), 39-44.

List of Publications in Conference Proceedings

S.No	Title
1.	Effective photodegradation studies of Congo Red dye using CuO nanoparticle synthesized from clove extract, D. Deva Angel, T. Sumitha Celin, G. Allen Gnana Raj, International seminar on Biomaterials for Advanced Biological Applications, Department of Chemistry and Research Centre, Adithanar College of Arts & Science, Tiruchendur on 27 th March 2024, page153.
2.	Inclusion complexation of β - cyclodextrin with antibiotic Norfloxacin, V.K. Disha, T. Sumitha Celin, Prof. Nithyanandham Third Endowment Lecture organized by organized by the Department of Chemistry & Research Centre and SAA, Scott Christian College (Autonomous), Nagercoil in Jan 2024,page 16.
3.	Photodegradation of Organic Pollutant Dye using CuO nanoparticle synthesized from Clove Extract, D. Deva Angel, T. Sumitha Celin, Prof. Nithyanandham Third Endowment Lecture organized by organized by the Department of Chemistry & Research Centre and SAA, Scott Christian College (Autonomous), Nagercoil in Jan 2024, page 15.
4.	Binding studies of Tetrasodium tris(bathophenanthroline disulphonato) Ruthenium(II) complex with DNA isolated from Orange pulp Extract, J.R. Jefey, T.Sumitha Celin, G.Allen Gnana Raj, International Conference International seminar on Biomaterials for Advanced Biologicl Applications, SCC 23 rd Jan 2024.
5.	Enhanced photodegradation studies of Methylene Blue Dye using NiO nanoparticles synthesized from Green Tea Extract. K. Indhu, T.Sumitha Celin, G.Allen Gnana Raj, Book of conference Proceedings and Abstracts, International conference on Advanced Materials and Their Applications 2023, 14 th & 15 th Dec, VOC College,Tuticorin.
6.	Binding studies of Tetrasodium tris(bathophenanthroline disulphonato) Ruthenium(II) complex with DNA isolated from Banana Fruit Extract, T. Sumitha Celin, J.R. Jefey, Sixth George Endowment Lecture organized by organized by the Department of Chemistry & Research Centre and SAA, Scott Christian College (Autonomous), Nagercoil on 27 th September 2023.
7.	Effective Photocatalytic Degradation of Methylene Blue Dye using FeO Nanoparticles extracted from Green Tea Extract, K. Indhu, T.Sumitha Celin, G.Allen Gnana Raj, International Conference on Recent Advances in Chemical Sciences (ICRACS-23) in online mode organized by Department of Chemistry St. Xavier's College , Palayamkottai on 26 th September 2023.
8.	Photocatalytic degradation of organic pollutant using green synthesized CuO nanoparticles K. Indhu, T.Sumitha Celin, National Conference on Biomaterials, organized by the Department of Chemistry & Research Centre, Scott Christian College (Autonomous), Nagercoil on 21 st April 2023.
9.	Binding studies of Ru(II) phenanthroline complexes with DNA isolated from Guava fruit extract,J.R.Jefey, T.Sumitha Celin National Conference on Biomaterials, organized by the Department of Chemistry & Research Centre, Scott Christian College (Autonomous), Nagercoil on 21 st April 2023.
10.	Green synthesis of NiO nanoparticles from green tea extract : characterization and antimicrobial activity, K.Indhu, T.Sumitha Celin, National Conference on Antimicrobial Resistance in the Environment: A Silent Pandemic, organized by the Department of Microbiology, Scott Christian College(Autonomous), Nagercoil on 10 th April 2023.
11.	Enhanced Photocatalytic Degradation of Alizarin Red S Dye using NiO Nanoparticles extracted from Green Tea Extract, K.Indhu, T.Sumitha Celin, International Conference Innovative Strategies in Astro and Synthetic Organic Chemistry(ICISASOC-2023) organized by the PG & Research Department of Chemistry, Holy Cross College (Autonomous), Nagercoil on 27 th Feb 2023.
12.	An experimental study of Photocatalytic Degradation of Organic Dye using Modified Titania, R. Jenisha Malini, T. Sumitha Celin, G. Allen Gnana Raj, International Seminar on Advanced Materials and their Applications, organized by Department of Chemistry and Research Centre, Adithanar College of Arts & Science, Tiruchendur on 25 th Jan 2023.
13.	Degradation Studies of Methylene Blue Dye using NiO nanoparticle synthesized from Green

	Tea Extract, K. Indhu, T. Sumitha Celin, International Seminar on Advanced Materials and their Applications, organized by Department of Chemistry and Research Centre, Adithanar College of Arts & Science, Tiruchendur on 25 th Jan 2023.
14.	Binding studies of Tetrasodium tris(bathophenanthroline disulphonate)Ruthenium(II) complex with DNA isolated from Dragon Fruit Extract, J.R. Jefey, T. Sumitha Celin, International Seminar on Advanced Materials and their Applications, organized by Department of Chemistry and Research Centre, Adithanar College of Arts & Science, Tiruchendur on 25 th Jan 2023.
15.	Binding studies of Tetrasodium tris(bathophenanthroline disulphonate)Ruthenium(II) complex with DNA isolated from Orange Extract, J.R. Jefey, T. Sumitha Celin, Nityanandham Second Endowment Lecture organized by the Department of Chemistry & Research Centre, Scott Christian College (Autonomous),Nagercoil on 27 th Jan 2023.
16.	Degradation Studies of Organic Pollutant using CuO nanoparticle synthesized from Green Tea Extract, K. Indhu, T. Sumitha Celin, Nityanandham Second Endowment Lecture organized by the Department of Chemistry & Research Centre, Scott Christian College (Autonomous),Nagercoil on 27 th Jan 2023
17.	Luminescent Quenching studies of tris(2,2'-bipyridyl)Ruthenium (II)cation with Quinones in aprotic polar medium, T.Sumitha Celin, G. Allen Gnana Raj, National Seminar on Innovative Trends in Chemistry (CHEM-ITC-2019) at Holy Cross College(Autonomous), Year 2019, Pages 34
18.	Solvent effect on the photoinduced electron transfer reactions of tris(4,4'-di-tert-butyl-2,2'-bipyridine) Ruthenium(II)cations with Quinones, T.Sumitha Celin, G. Allen Gnana Raj, Abstracts, International Conference on Innovative Research in Chemical Sciences[ICIRCS-2K19], Year 2019, Pages 51
19.	Effect of SDS on the luminescence quenching of tris(2,2'-bipyridine)Ruthenium(II) cation with p-Quinones, T. Sumitha Celin, G. Allen Gnana Raj, Two day National Conference on Materials in Sustainable Chemistry(NCMSC'19) at Sadakkathullah Appa College, Tirunelveli, 2019,Page 19
20.	A study on the binding interaction of [Ru(bpy) ₃] ²⁺ complex withquinones in neutral micellar medium, T. Sumitha Celin, G. Allen Gnana Raj, Souvenir, International conference on Advanced Materials and their Application (ICAMA-2018),VOC College, Thoothukudi, Year 2018, Page 89
21.	A comparative study on role of oxygen on photoinduced electron transfer reaction of Ru(II)polypyridyl complexes with quinones, T. Sumitha Celin, G. Allen Gnana Raj, Proceedings of the ninth All India Conference of Scott Research Forum (SRF)-2017,Year 2017.
22.	Luminescent quenching of tris(2,2'-bipyridyl)ruthenium(II) complex with substituted quinones in acetonitrile, T. Sumitha Celin, G. Allen Gnana Raj,National Conference in Advanced Materials and their Application, Year 2016, Page 44
23.	Solvent effect on the photoinduced electron transfer reactions of Ruthenium polypyridyl complexes, T. Sumitha Celin, G. Allen Gnana Raj, Book of Proceedings, National conference on Recent trends in Chemistry -2016, Scott Christian College(Autonomous),Nagercoil, Year 2016, Page 22
24.	Effect of SDS on the luminescence quenching of tris(2,2'-bipyridine)Ruthenium(II) cation with p-Quinones, T. Sumitha Celin, G. Allen Gnana Raj, Book of Abstracts on National Conference on Materials in Sustainable Chemistry(NCMSC'19), Volume , Year 2019, Pages 19
25.	Solvent effect on the photoinduced electron transfer reactions of tris(4,4'-di-tert-butyl-2,2'-bipyridine) Ruthenium(II)cations with Quinones, T. Sumitha Celin, G. Allen Gnana Raj, Abstracts, International Conference on Innovative Research in Chemical Sciences[ICIRCS-2K19], Volume , Year 2019, Pages 51
26.	Luminescent Quenching studies of tris(2,2'-bipyridyl)Ruthenium (II) cation with Quinones in aprotic polar medium, T. Sumitha Celin, G. Allen Gnana Raj, National Seminar on Innovative Trends in Chemistry (CHEM-ITC-2019) at Holy Cross College(Autonomous), Volume , Year 2019, Pages 14
27.	A comparative study on role of oxygen on photoinduced electron transfer reaction of Ru(II)

	polypyridyl complexes with quinones, T. Sumitha Celin, G. Allen Gnana Raj, Proceedings of the ninth All India Conference of Scott Research Forum (SRF)-2017, Scott Christian College (Autonomous) , Nagercoil., Volume , Year 2017.
28.	Luminescent quenching of tris(2,2'-bipyridyl)ruthenium(II) complex with substituted quinones in acetonitrile, T. Sumitha Celin, G. Allen Gnana Raj, National Conference in Advanced Materials and their Application, Volume , Year 2016, Pages 44
29.	Solvent effect on the photoinduced electron transfer reactions of Ruthenium polypyridyl complexes, T. Sumitha Celin, G. Allen Gnana Raj, Book of Proceedings, National conference on Recent trends in Chemistry -2016, Scott Christian College (Autonomous),Nagercoil, Volume , Year 2016, Pages 22

2010-2011	<p>UGC Sponsored seminar on Examination Reforms, Scott Christian College (Autonomous),Nagercoil, 19 March,2011.</p> <p>Workshop on Frontier topics in Chemistry sponsored by IASc, INSA,NASI, Scott Christian College (Autonomous), Nagercoil, 21,22 August 2011.</p> <p>One day State level Seminar on Emerging Trends in Chemistry(ETC-2011) Scott Christian College (Autonomous), Nagercoil on 28th January 2011.</p>
2012-2013 (01.06.2012 - 31.05.2013)	<ol style="list-style-type: none"> 1. Attended Diamond Jubilee National Seminar on Recent Trends in Nano Science and Technology, Scott Christian College (Autonomous),Nagercoil, 31 Jan 2013. 2. Participated in the State level seminar on Problems and Prospects of aquaculture on 18th April 2014 at Zoology Department , Scott Christian College (Autonomous),Nagercoil,
2013-2014 (01.06.2013 - 31.05.2014)	<ol style="list-style-type: none"> 3. National Workshop on Synthesis and Characterization of Nanomaterials-2014 at VOC College, Tuticorin, on 25 and 26 Feb 2014.
2014-2015 (01.06.2014-31.05.2015)	<ol style="list-style-type: none"> 4. Endowment lecture on Drug discovery & Development, Scott Christian College (Autonomous),Nagercoil, 14 August 2014. 5. National Conference on Innovations in Chemical & Nuclear Technology(ICNTECH-2015), Scott Christian College (Autonomous),Nagercoil, 2 Feb 2015.
2015-2016 (01.06.2015 - .31.05.2016)	<ol style="list-style-type: none"> 6. Attended the National Conference on Innovations in Chemical Sciences & Technology, GIAP, Scott Christian College (Autonomous),Nagercoil, 21 August 2015 7. Attended the National Conference Emerging Frontiers in Nano Science at Holy Cross College(Autonomous)Nagercoil, on 27th August 2015. 8. Luminescent quenching of tris(2,2'-bipyridyl)ruthenium(II)

	<p>complex with substituted quinones in acetonitrile , T.Sumitha Celin,G. Allen Gnana Raj ‘National Conference on Advanced Materials and Their Applications -2016, on 21,22 Jan 2016 at V.O. Chidambaram College, Tuticorin.</p> <p>9. Attended Fifth Parker Memorial Lecture at Scott Christian College (Autonomous),Nagercoil, 5 Feb 2016.</p> <p>10. Attended lecture workshop on Recent Advances in Chemistry(RAC-2016) on 26th and 27th Feb2016 at V.O. Chidambaram College, Tuticorin.</p> <p>11. Attended UGC sponsored National seminar on Promoting Human Rights Culture in Higher Education Institutions , Annammal College of Education for Women, Tuticorin on 22,23 March 2016</p>
01.06.2016-17.9.2016	<p>12. Workshop on Microscale Experiments in Chemistry, Scott Christian College (Autonomous),Nagercoil 24 June 2016.</p> <p>13. Solvent effect on the photoinduced electron transfer reactions of Ruthenium polypyridyl complexes, T.Sumitha Celin, G.Allen Gnana Raj National Conference on Recent Trends in Chemistry (NCRTC-2016), on 19th August 2016 at Scott Christian College (Autonomous) , Nagercoil.</p>
2016-2017 (18.09.2016-31.05.2017)	<p>1. Recent Developments in Chemistry, organized by Scott Christian College (Autonomous),Nagercoil in association with Indian Academy of Sciences on 21-22nd October 2016.</p> <p>2. Nineth All India Conference on Scott Research Forum, Scott Christian College (Autonomous),Nagercoil, 10th Feb,2017.</p> <p>3. National Conference on “The Whole Earth”at Annammal College of Education for Women on 14th Feb 2017.</p> <p>4. National Seminar on Advanced Frontiers in Chemistry, WCC, Nagercoil, Feb 27,2017.</p> <p>5. State Level Seminar on Recent Advances in Materials Research (RAMR-17),organized by Dept of Physics and Research Centre, Scott Christian College (Autonomous),Nagercoil,17th March 2017.</p>
2017-2018 (01.06.2017 - 31.05.2018)	<p>1. National Seminar on Recent Trends in Nano Science, Scott Christian College (Autonomous),Nagercoil-23 August -2017.</p> <p>2. Nuclear Awareness Programme -2017, Scott Christian College (Autonomous),Nagercoil 06 October,2017.</p>
2018-2019 (01.06.2018 - 31.05.2019)	<p>1. National Seminar on Recent Advances in Chemistry (CHEM-RAC-2018), Scott Christian College (Autonomous),Nagercoil, 29th August, 2018.</p> <p>2. International Conference on Advanced Materials and their Applications on 27th December 2018.</p> <p>3. Participated in the workshop on Green and Sustainable energy organized byDepartment of Chemistry, Scott Christian College</p>

	<p>(Autonomous),Nagercoil, on 6th February 2019.</p> <p>4. Inhibition of corrosion using Nannari Root extract,S.Sornam,T.Sumitha Celin, National Seminar on Modern Trends in Chemical Sciences, Scott Christian College (Autonomous),Nagercoil 19th March 2019 pg.no.22</p>
<p>2019-2020 (01.06.2019 - 31.05.2020)</p>	<ol style="list-style-type: none"> 1. Sixth Parker Memorial Lecture on “Marunthilla Maruthuvam” Scott Christian College (Autonomous),Nagercoil 19th August 2019 2. Entrepreneur Skill Development Training in “Preparation of Simple Chemical Products at Scott Christian College (Autonomous),Nagercoil 6th September 2019. 3. Seminar on Climate Change for Peace organized by CSI.Kanyakumari Diocese and Scott Christian College (Autonomous),Nagercoil,21st September 2019. 4. Two day National Conference on Materials in Sustainable Chemistry(NCMSC’19) at Sadakkathullah Appa College,Tirunelveli,27,28th September 2019,page no.19. 5. National Seminar on Innovative Trends in Chemistry (CHEM-ITC-2019) at Holy Cross College(Autonomous),Nagercoil 4th October 2019.pg 34 6. Workshop on Outcome based Education organized by IQAC, Scott Christian College (Autonomous),Nagercoil, 29th November 2019. 7. Effect of a cyclodextrin on 4-nitro benzoic acid and 3,5-dinitro benzoic acid ,R.Rajamenakha,T.Sumitha Celin, UGC Autonomy grant International Conference on Innovative Research in Chemical Sciences[ICIRCS-2K19],Abstracts,Dec 19, 2019, pg.45 8. Determination of Iodine content in salt pans of Southern districts of Tamilnadu,B.Ranitha, T.Sumitha Celin,pg.45, International Conference on Innovative Research in Chemical Sciences[ICIRCS-2K19],Abstracts,Dec 19, 2019 pg 49. 9. Solvent effect on the photoinduced electron transfer reactions of tris(4,4’-di-tert-butyl-2,2’-bipyridine) Ruthenium(II)cations with Quinones, T.Sumitha Celin,G.Allen Gnana Raj, UGC Autonomy grant International Conference on Innovative Research in Chemical Sciences[ICIRCS-2K19],Abstracts, Dec 19, 2019 pg 51. 10. Binding studies of Ruthenium(II)phenanthroline complex with Antithyroid drugs,D.S.Berlin Dinosh, , T.Sumitha Celin, UGC Autonomy grant International Conference on Innovative Research in Chemical Sciences[ICIRCS-2K19],Abstracts, Dec 19, 2019 pg 54. 11. Completed ARPIT course Online Refresher Course in Chemistry For Higher Education conducted by SWAYAM, MHRD in the exam held on 16.2.2020.Completed NPTEL Online Certification Basics in Inorganic Chemistry funded by MHRD in Jan –Feb 2020. 12. Completed NPTEL Online certification course in Chemical Application of Symmetry and Group Theory funded by MHRD in

Jan –Mar 2020

13. Completed two week online Workshop on “**Comprehensive e-Learning to e-Training guide for Administrative work**”, Organised by Teaching Learning Centre, Ramanujam College, University of Delhi, Sponsored by MHRD Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching from **20th April to 06th May 2020**.
14. Participated in the online course on “**OMICS’s of Corona Virus and Natural Remedies**”, organized by Karpaga Vinayaga College of Engineering and Technology, Madhuranthagam from **8th April to 13th April**.
15. “Basic Principles of Spectroscopy”, **17.04.2020 to 19.04.2020**.
16. Household Electrical Devices &Appliances”, **20.04.2020 to 21.04.2020**.
17. Participated in National Webinar entitled, “**National Workshop on Development of Teacher’s e-kit CHEMISTRY**”, organized by Guru Angad Dev Teaching Learning Centre SGTB Khalsi College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching of MHRD on **21st April 2020**.
18. Participated in National Webinar entitled, “**Reengineering Higher Education: A seamless Knowledge System for the University**”, organized by Guru Angad Dev Teaching Learning Centre SGTB Khalsi College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching of MHRD on **22nd April 2020**.
19. Participated in National Webinar entitled, “**Role of Teachers in Technology Driven Higher Education**”, organized by Guru Angad Dev Teaching Learning Centre SGTB Khalsi College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching of MHRD on **25th April 2020**.
20. Participated in National Webinar entitled, “**Towards Excellence in Higher Education in India in the 21st Century**”, organized by Guru Angad Dev Teaching Learning Centre SGTB Khalsi College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching of MHRD on **29th April 2020**.
21. Participated in National Webinar entitled, “**Challenges and Opportunities before Higher Education due to Covid-19**”, organized by Guru Angad Dev Teaching Learning Centre SGTB Khalsi College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching of MHRD on **2nd May 2020**.
22. Participated in a five day Online FDP on “**Channelizing Innovation and Entrepreneurship through ICT Tools**”, jointly organized by IIC & ICT Cell Holy Cross College(Autonomous), Nagercoil from **2th May to 16th May 2020**.
23. Participated in National Webinar entitled, “**Corona Pandemic and Economic Challenges in India**”, organized by Guru Angad

Dev Teaching Learning Centre SGTB Khalsi College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching of MHRD on **4th May 2020**.

24. Participated in **Chemdraw Online workshop for Skill developmnt & Career Advancement**, organized by Genesis Educational Impressions, Roorkee, Uttarkhand on **5th May 2020**.
25. Participated in online FDP on “**Digital Tools for smart Classrooms in Higher Education**” organized by Jeyaraj Annapakiam College for Women(Autonomous), Periakulam from **6th to 7th May 2020**.
26. Participate in Online National workshop entitled “**Creating video lecture using OBS studio**”, organized by IQAC of Mahatma Phule Mahavidhyalaya Kingaon, Latur, on **10th May 2020**.
27. Participated in the **LibreOffice Suite Writer Training** offered by Spoken Tutorial Project , IIT, Bombay, funded by National Mission on Education through ICT &MHRD, Govt of India, organized at D.K.M. College for Women on **11th May 2020**.
28. Participated in the **GChem Paint Training** offered by Spoken Tutorial Project , IIT, Bombay, funded by National Mission on Education through ICT, MHRD, Govt of India, organized at D.K.M. College for Women on **11th May 2020**.
29. Completed one week FDP on “**Multimedia enriched e-content Development**” from **21st May to 26th May 2020**, jointly organized by Guru Angaad Dev Teaching Learning Centre SGTB Khalsi College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching of MHRD.
30. Participated in National Webinar entitled, “**e-content Develpoment Methodology: Four Quadrant Model OERs and Copyright Issues**”, organized by Guru Angad Dev Teaching Learning Centre SGTB Khalsi College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching of MHRD on **15th May2020**.
31. Completed one week online Certificate course in “**Introduction to Coordination Chemistry**”, from **15th May to 20th May 2020**, organized by Shri Vyankatesh Arts, Commerce & Science College, Buldana, Maharashtra.
32. Participated in one day International webinar on “**Bioinformatics in Microbiome Research & Climate**”, organized by PG Department of Chemistry, St.Mary’s College, Thoothukudi on **17th May 2020**.
33. Participated in Webinar on **MSNPs for Cancer Therapy** organized by PG & Research Department of Chemistry, C. Abdul Hakeem College(Autonomous), Melvisharam, Tamilnadu on **18th May 2020**.
34. Participated in National Webinar organized by IQAC under UGC PARAMARSH Scheme on “**E-learning and MOOC in Higher Education and New Roles of Teachers**”, by Sri GVG Visalakshi College for Women, Udumalpet on **18th May 2020**.
35. Participated in a Webinar on “**Challenges in Post Covid-19 Classrooms**”, organized by Annammal College of Education for

	<p>Women, Thoothukudi on 26.05.2020.</p> <p>36. Participated in National Webinar entitled, “Women in Higher Education Issues and Challenges during Corona Pandemic”, organized by Guru Angad Dev Teaching Learning Centre SGTB Khalsi College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching of MHRD on 27th May 2020 .</p> <p>37. Completed online course on “A virtual connect with Group Theory from 21st May to 31st May 2020 organized by DG Vaisnav College , Chennai.</p>
<p>2020-2021 (01.06.2020 - .31.05.2021)</p>	<ol style="list-style-type: none"> 1. Completed an online Mendeley training course given by Dr. Kuldeep Singh, Mendeley Advisor on 7th June 2020. 2. Completed one week Faculty Development Programme on “Open Source Tools For Research”, Organised by Teaching Learning Centre, Ramanujam College, University of Delhi, Sponsored by MHRD Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching from 8th to 14th June 2020 3. Participated in a National level Webinar on , “Designing new chiral molecules for asymmetric organocatalysis” organized by the PG & Research Department of Chemistry , VOC College, Thoothukudi on 11.06.2020. 4. Participated in the International Webinar on “Memory Techniques for Accelerated Learning”, organized by Annammal College of Education for Women, Thoothukudi on 08.06.2020. 5. Participated in a Webinar on “Digital Management on Practicals using MS-Excel” on 12th June 2020 organized by Department of Chemistry, Secret Heart College(Autonomous),Tirupattur. 6. Participated in the National level One week FDP on Latex & Xfig from 15th june to 19th June 2020, organized by MCA Department, Calcutta Institute of Technology, Howrah, West Bengal, in association with Spoken Tutorials, IIT, Bombay. 7. Participated in a Webinar on “Advances in Crystal Growth and Nano Materials” on 18th June 2020,organized by Kamaraj College, Thoothukudi. 8. National online workshop on Computational Chemistry-A Leeway to Theoretical Chemistry from 27.7.2020 to 29.07.2020. 9. Completed three day Workshop on, “Online Course Design, Development & Delivery”, organized by UGC-HRDC University of Hyderabad from 28th to 30th June 2020. 10. Participated in National Webinar entitled, “Empowering Chemistry teachers for 21st century higher education on 28,29 July 2020 organized by Guru Angad Dev Teaching Learning Centre SGTB Khalsi College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching of MHRD and Sanatan Dharma College,Ambala Cant. 11. Completed two week online Workshop on “Advances Concepts for developing MOOCs”, Organised by Teaching Learning Centre, Ramanujam College, University of Delhi, Sponsored by

	<p>MHRD Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching from 2nd to 17th July 2020.</p> <p>12. Participated in an International Webinar on “Advancements in Nano Technology”, organized by the Department of Chemistry and Research, Annai Velankanni College, Tholayavattam on 18th July 2020.</p> <p>13. Participated in an International Webinar on ,”An overview of Drug development of Drugs and Vaccines for the current Pandemic”, organized by Department of Chemistry, St.Mary’s College, Thoothukudi on 20th July 2020.</p> <p>14. Two day online National workshop entitled, Online Teaching learning using LMS-Moodle Organised by Teaching Learning Centre, Ramanujam College, University of Delhi, Sponsored by MHRD Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching On 24th -25th July 2020.</p> <p>15. Participated in Faculty enrichment programme on Role of surfactants in Covid-19 on 8th May 2021 organized by the Department of Chemistry, Scott Christian College (Autonomous),Nagercoil .</p>
<p>01.06.2021- 17.9.2021</p>	<ol style="list-style-type: none"> 1. Participated in the webinar on Covid 19 Pandemic - Prevention and Vaccination organized by the NSS Bureau of Scott Christian College (Autonomous),Nagercoil conducted on 21 May 2021. 2. Participated in the Webinar on How to strengthen Our Innovation Through Intellectual Property Rights 2021 on 21st June 2021. 3. Participated in the state level webinar on Innovations in display Technology,organized by the Department of Chemistry in collaboration with Institute’s Innocation Council,Holy Cross College(Autonomous),Nagercoil,on 13th July 2021. 4. State level webinar on phytochemicals in health promotion and disease prevention on 24th July2021. 5. 5 Days Online Teachers Training in Cyber Safety and Security 26th July to 3st July 2021. 6. Virtual Interntional Conference on.. Multifunctional Advanced materials (VICMAM) on 9th and 10th August 2021. 7. FDP on systematic literature review and meta analysis from 10 to 16 August 2021. 8. National level Knowledge Enrichment Programme on Separation, Purification and Identification of Organic Compounds on 25th August 2021.

Resource Person

1. Resource person for Endowment Lecture on Recent Advances in Analytical Chemistry on 19th July 2023 at the Department of Chemistry ,Holy Cross College(Autonomous), Nagercoil.
2. Resource person for workshop on Microscale organic analysis organized by department of Chemistry,Women’s Christian College, Nagercoil on 4th July 2023.