

Sri Sai Ram Engineering College

Department Of Humanities And Sciences

<i>Name :</i> Ms. S. ANITHA	
<i>Designation :</i>	<i>Associate Professor</i>
<i>Qualification :</i>	<i>M.Sc., M.Phil., (Ph.D.,)</i>
<i>Area of Specialisation</i>	<i>Chemistry</i>
<i>Experience :</i>	<i>Teaching : UG : 19 yrs 09 months 18 days</i> <i>PG : 6 yrs</i>
	<i>Industry :-</i>
<i>No. of Workshop / Conferences / FDP attended/ seminar</i>	<i>16/8/43/41</i>
<i>Publication :</i>	<i>Journal</i> <i>National : Nil</i> <i>International : Nil</i>
	<i>Conference</i> <i>National : Nil</i> <i>International : Nil</i>
<i>Research Guidance :</i>	<i>Nil</i>

<p><i>General :</i></p>	<p>Roles & Responsibilities :</p> <p>Life Member : 1. Association of chemistry Teachers (2196)</p> <p>2. ISTE member</p> <p>3. IEEE (2022)</p> <p>Acted as a : Resource person in Science competition</p>
<p><i>Staff Achievements :</i></p>	<p>100 % results in Engineering Chemistry I, Engineering Chemistry - II and Environmental science and Engineering, Fundamentals of Nutrition many times.</p>

Educational Qualification:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc.	General Chemistry	1999	DKM college for womens	Madras University	81.7%	I
PG	M.Sc.	General Chemistry	2001	MGA College	Madras University	67.3%	I
M.Phil.,	M.Phil.,	Inorganic Chemistry	2005	Bharathidasan University	Bharathidasan University	73%	I
Ph.D.	Ph.D.	Green synthesis and Nano chemistry	Doing	Guru Nanak College, Chennai	Madras university		

Academic Experience

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
<i>Sri Kanchi Krishna College of Arts & Science</i>	<i>Lecturer</i>	<i>August 2001</i>	<i>June 2004</i>	<i>2</i>	<i>10</i>	<i>26</i>
<i>Sacred Heart College of Arts & Science</i>	<i>Lecturer</i>	<i>June 2004</i>	<i>March 2005</i>	<i>-</i>	<i>9</i>	<i>10</i>
<i>Gurunanak College of Arts & Science</i>	<i>Lecturer</i>	<i>July 2005</i>	<i>Dec 2010</i>	<i>5</i>	<i>4</i>	<i>14</i>
<i>RGUKT</i>	<i>Lecturer</i>	<i>Dec 2011</i>	<i>Feb 2012</i>	<i>-</i>	<i>2</i>	<i>29</i>
<i>Sri Sai Ram Engineering College</i>	<i>Asst. Professor</i>	<i>July 2013</i>	<i>Till date</i>	<i>10</i>	<i>6</i>	<i>0</i>
Total				19	09	19

Conference:

- *“National conference on Non-conventional Energy Sources”- NESCON 2009 on 11th and 13th March 2009 at Guru Nanak College Chennai -42.*
- *Virtual conference on “materials for energy harvesting and catalysis –Tata institute of fundamental research, kolkata -01.05.2020-.3.05.2020.*
- *International virtual conference on "Advanced Materials for Sustainable Development" (ICAMSD- 2020), Department of Chemistry, Bannari Amman Institute of Technology, Sathyamangalam. 07.08.2020 & 08.08.2020.*
- *Advanced Materials on Energy and Environmental Applications(ICAMEEA 2020), Department of chemistry, School of Science and Humanities, BIST, BIHER, sponsored by TNSCST & in association with INHA University, South Korea & RSC South Indian Chapter 03.12.2020 & 04.12.2020*
- *International Conference on Chemical and Environmental Research (ICCER- th 2020) PG and Research Department of Physics, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020, 12.11.2020*
- *Recent advances in chemistry education & chem research (NCCT- 2020), Association of*

chemistry teachers, TIFR, 29.11.2020 to 01.12.2020.

- *International conference and Nanoscience and Nanotechnology, Bharath Institute of Science and Technology, 5th and 6th 2021.*
- *National Conference on “CHEMICAL SCIENCES FOR FUTURISTIC ADVANCEMENT” organized by the Easwari engineering college Department of Chemistry on 01.09.2022 and 02.09.2022.*
- *Presented a paper entitled “Sensing of Metal Ions by Green Synthesized Silver Nanoparticles by Fincal Fluorescent Emission”, Second International conference on “Advancements in Materials Science and Technology – iCAM 2022”, organized by Sathyabama Institute of Science and Technology, Chennai, India in association with Alexander Dubček University of Trenčín, Slovakia, during November 02–04, 2022.*
- *Presented a paper on Web Based Disease Prediction and Forecasting with KNN and RNN using Internet of Medical Things, International Conference on Computer Power and Communication , Sri sai ram institute of technology, 14th to 16 dec 2022.*
- *Presented a paper in International conference ICRTSR-23 titled “ Photo catalytic activity of Bael gum assisted green synthesized silver nanoparticles” in Dr. Ambedkar govt arts college -in association with TN State Council on 30 & 31 August 2023.*
- *Presented a paper in National conference NCEA-2023 in SRM VEC titled “Optical sensing of metal ions by green synthesized AgNPs” on 17.06.23.*
- *Presented a paper in International conference ICAM-22 titled “Sensing of metal ions by Green synthesized Silver Nanoparticles by Fincal Fluorescent Emission” in Sathyabama institute of science and technology on Nov 2- 4 2022.*
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Seminar:

1. *National seminar on “Recent trends in laser spectroscopy and its applications” (RTILSA -13)” on 17th Oct -2013 at Sri Sai ram engineering college.*
2. *National seminar on “Environmental issues & sustainable development” 19th& 20th Nov – 2013 Sri Sairam engineering college.*
3. *One day seminar on “Models & methods in bio inorganic chemistry”, at Loyolla college.*
4. *International webinar on chemistry, the American college, Madurai, 29th may 2020*
5. *Smart topics in chemistry, international webinar, Govt Arts College, Thiruchirapalli, June 1st&2nd 2020.*

6. *National level Webinar on Principles and application of Electronic Spectroscopy. Annai college of Arts and science on 7th May 2020.*
7. *Webinar on SERB PM C-II fellowship Webinar on April 7th 2020*
8. *Indias First leadership talks series MHRD on 9th May 2020.*
9. *Webinar on Overcoming Covid -19 Bhavan's Vivekananda College on 13th May 2020.*
10. *Webinar on MSNPS for Cancer therapy C. Abdul Hakeem College on 18th May 2020.*
11. *National level webinar, An insight into NAAC –Raf V.O Chidambaram College on 22nd May 2020.*
12. *National level on Energy, Water and resources saving. How to go about sustainability. Stella Maris College on 23rd May 2020.*
13. *Webinar on CO-PO- attainment computations and outcomes – In pod on 1st June 2020.*
14. *Webinar on NAAC Accreditation management system demo – In pods June 2nd 2020.*
15. *National level webinar Application of Group theory to Spectroscopy. Anna University 24th July 2020.*
16. *National level webinar on Research Methodology, on 12th and 13th June 2020. Loyola College Chennai.*
17. *National level webinar on Scintillating Chemistry by Association of Chemistry teachers on June 28th 2020.*
18. *Preparation Of Nanomaterials For Energy And Environmental Application, Nehru Institute of Engineering And Technology, 06.10.2020*
19. *Effective Virtual Classroom Teaching for Teachers, Sri Sairam Engineering College, 19.06.2020*
20. *National tech meet on micro & Nano fabrication & characterisation tech, Kamaraj college, 9th Nov 2020*
21. *R&D - Proposal Writing, Sri Sai Ram Engineering College, 12.06.2020*
22. *Identifying Intellectual Property Components at the early stage of Innovation, Sri Sai Ram Engineering College, 17.12.2020*
23. *IGEN Legendary Seminar 01, The Institution of Green Engineers in association with 7 Institution Partners on 26.12.2020*
24. *Copy right in an intelctual property, Sri sairam engineering college, 28.01.2021*
25. *"Emerging Applications of Radiation in Nanotechnology" held on 26th February, 2021. Dr B C Roy Engineering College, Durgapur*
26. *Webinar on NAAC & NBA Accreditation management system demo – In pods Feb 24 2021.*
27. *Vivekanandha College Of Arts And Sciences For Women, Elayampalayam,*

- Tiruchengode. International Virtual Seminar on Advances in Chemical Sciences, ACS-21, on 08.03.2021*
28. *Innovation in science and technology, 27 Feb 2021, Smt Narsamma art, commerce and Science College.*
 29. *Sustainable chemistry teachers, IWSC, Association of Chemistry teachers, Mumbai, 18th March 2021.*
 30. *Application of natural dyes –Erode Sengundhar engineering college, Erode, 11th may 2020*
 31. *Electroanalytical Techniques for water splitting Do's and Don't s – Saveetha Engineering college -27.05.2020*
 32. *3 days national webinar-modern trends in environment, Annai velakani college – kaniyakumari, 16 To 18 JUNE 2021.*
 33. *FOOD SAFETY AND HYGIENE, ANNAI COLLGE of arts and science – 7.06.21*
 34. *Awarness of covid & important of vaccination - annai velakani college -12.06.21*
 35. *ENERGY MATERIAL- SATHYABAMA institute of science and technology –4.06.21*
 36. *National Webinar on Recent Development for Chemistry Teachers. KARUNYA DEEMED UNIVERSITY- 05.06.21*
 37. *Principles of Food Safety for a Healthy Tomorrow –NITTR-06.05.21*
 38. *"Emerging Applications of Radiation in Nanotechnology"- Dr B C Roy Engineering College, Durgapur- 26.02.21*
 39. *Dr B C Roy Engineering College, Durgapur- Sri Sairam Engg College -18.03.21*
 40. *Principles of Food Safety for a Healthy Tomorrow- PAAVAI ENGINEERING COLLEGE - 07.06.21*
 41. *International Webinar - Empowering Diversity in Science -ASSOCIATION OF CHEMISTRY TEACHERS - 2/16/2022NEP 2020 Implementation using change management. 21.04.22 – sri sairam engineering college.*
 42. *Environmental pollution - SRM Vallaiammai Engineering College, 20.04.2022*
 43. *Awareness meet on material science with ion accelerator – 19 july 2022 – UGC-DAE CONSORTIUM FOR SCIENTIFIC RESEARCH, KALPAKKAM .*

Workshops attended:

1. *Two days training Programme on the state of the art analytical equipment (TPSAE 2019) on 1/03/2019 and 02/03/2019 at MIT campus Anna University.*

2. *National level workshop on “Advancements in chemical science” on 18th July 16 at Sri sai ram institute of technology*
3. *Two days workshop on “chemistry – current focus”, 26&27th august 2016, at Madras Christian College.*
4. *Workshop on Creation of e- content, organized by universal teachers academy, UTA, Puducherry 21st April to 30th April.*
5. *Workshop on Creation of animated e-content, educational games and tools, UTA, Puducherry, 14th may to 18th May.*
6. *Workshop on Creation of animated e-content, educational games and tools, UTA, Puducherry 16th June to 20th June.*
7. *Workshop on Creation of android app, 16th june to 20th june. UTA, Puducherry.*
8. *e- Workshop on basic principles and concepts of chemistry, DR.M.G.R. Educational and research institution, 27th may to 29th May.*
9. *Workshop on Integrating swayam MOOCS & educational apps in, teaching organized by IQAC & SWAYAM, 28th may & 29th May.*
10. *Workshop on Management of environment and its resources, MOOC workshop, Nesami memorial Christian College, marthandam, 28th to 11th May 2020.*
11. *International workshop on modern approach to chemistry and hand on training in solving spectroscopic problems, BHARATHI WOMENS COLLEGE, chennai, 24th June 2020.*
12. *Workshop on Molecular visualisation series, wave func inc., usa (neotel), 9th May 2020.*
13. *National level workshop on Computational chemistry - A Leeway of theoretical chemistry. DBT Star College Status, organized by the PG & Research Department of Chemistry, PSGR Krishnammal College of Women, Coimbatore in collaboration with D.G. Vaishnav College, Arumbakkam, Chennai from 27.07.2020 to 29.07.2020.*
14. *International workshop on interactive e resource –UTA -14 TO 18 JUNE.*
15. *ICT Tools For Chemistry Teachers ,Guru Angad Dev Teaching Learning Centre, 22.02.2021*
16. *International workshop on interactive e resource- UTA -14-18 June 2021.*
17. *International Workshop on “Virtual labs”SCRS govt college in collaboration with IIT Delhi (ONLINE) on 27.09.23*
- 18.

FDP:

1. *Staff development programme on “characterization of materials” at Sri Sairam Institute of technology, Chennai held on 20th & 21st July 2017.*
2. *Faculty development Programme on “Renewable energy systems” at Sri Sairam engineering college, chennai on 22/07/2019 -26/07/2019.*
3. *Enchancing soft skill and personality 7 days FDP conducted by Nptel.*
4. *“Recent trend in covid-19: Diagnosis and Management” organized by vels university, June 4th, 2020.*
5. *Rescent trends in material frontiers, St.Joseph's college of engineering, Chennai, 29th & 30th may 2020.*
6. *Evolution from offline to online, Sathish Pradhan Dnyanasadhana college, thane, 30th may to 3rd June 2020.*
7. *Recent innovations in electrical, electronics, instrumentation, automation & teaching pedagogy, Sri Sairam engineering college, 18th to 30th may 2020.*
8. *AICTE Training And Learning (ATAL) Academy Online FDP on "Novel Materials" from 17/8/2020 to 21/8/2020 at Government college of engineering, Thanjavur.*
9. *AICTE Training And Learning (ATAL) Academy Online FDP on "Waste Technology" from 2/11/2020 to 6/11/2020 at Manipal University Jaipur.*
10. *Technical Advances in Novel Materials, St.Xavier's Catholic College of Engineering, Chunkankadai, 05.10.2020 to 10.10.2020*
11. *IGEN GREEN9 SDG CONCLAVE 2020, The Institution Green Engineers - Energy Efficiency Research Group Green9, 02.10.2020 & 03.10.2020*
12. *Frontiers in Chemistry, St. Joseph's College of Engineering, OMR, Chennai - 600119, 06.09.2020 to 18.09.2020*
13. *Recent innovations in electrical, electronic, instrumentations, automation and teaching pedagogy. Sri Sairam Engineering College, 18.05.2020 TO 30.05.2020*
14. *Human Values, Ethics, Morals, Behavioral Science and Attitude, STTP, KIIT College of Engineering, Gurugram, 10.11.2020 TO 15.11.2020*
15. *Five Days Online Faculty Enrichment Programme on Computational Chemistry, Department of Chemistry & Centre for Research, Baselius College, Kottayam in association with Chemical Research Society of India (CRSI), 16th – 22nd December 2020.*
16. *Swayam Mooc and educational apps, IQAC AND SWAYAM, 28.05.2020 to 29.05.2020. Applications of Advanced Materials and Technologies in Chemical Science.*
17. *Easwari Engineering College, Ramapuram, 31.08.2020 to 04.09.2020*
18. *International Virtual FDP on Recent Trends on Current Science and Technology Easwari Engineering College, Ramapuram, 24.08.2020 to 28.08.2020*

19. *National Institute of Technology Raipur. 2020-12-8 to 2020-12-12 at Dynamic transformation of innovative teaching pedagogy (STTP)*
20. *VAAGADEVI COLLEGE OF ENGINEERING, HYDERABAD, 23 to 28 NOV 2020, Evolution from offline to online teaching.*
21. *Sathish parthan Dnyanasadhana college, Thane, 30.05.2020 to 3.06.2020*
22. *Finite element method for engineering application ,Sri Sairam Engineering College, 07.09.2020 TO 12.09.2020*
23. *" EDUCATION 4.0 The Future Ahead", Sri Sairam Engineering College,10.08.2020 to 14.08.2020*
24. *Enrichment Programme on Computational Chemistry, Department of Chemistry*
25. *Technical Advances in Novel Materials, St.Xavier's Catholic College of engineering, Chunkankadai,05.10.2020 to 10.10.2020*
26. *IGEN GREEN9 SDG CONCLAVE 2020, the Institution Green Engineers - Energy Efficiency Research Group Green9, 02.10.2020 & 03.10.2020.*
27. *Frontiers in Chemistry, St. Joseph's College of Engineering, OMR, Chennai - 600 119,16.09.2020 to 18.09.2020*
28. *Recent innovations in electrical, electronic, instrumentations , automation and teaching pedagogy, Sri Sairam Engineering College,18.05.2020 TO 30.05.2020*
29. *Human Values, Ethics, Morals, Behavioral Science and Attitude, STTP, KIIT College of Engineering, Gurugram,10.11.2020 TO 15.11.2020*
30. *Five Days Online Faculty & Centre for Research, Baselius College, Kottayam in association with Chemical Research Society of India (CRSI), 16th – 22nd December 2020.*
31. *Applications of Advanced Materials and Technologies in Chemical Science, Easwari Engineering College, Ramapuram,31.08.2020 to 04.09.2020*
32. *International Virtual FDP on Recent Trends on Current Science and Technology*
33. *"Inculcating Universal Human Values in Technical Education", FDP, All India Council for Technical Education (AICTE) ,1 February, 2021 to 5 February, 2021.*
34. *Emerging Trends in Characterisation Techniques for Applied Polymer Research, 13.09.2021 To 17.09.2021 ATAL, CIPET*
35. *Outcome Based Education, WORKSHOP, INPOD, 29.09.2021*
36. *Metal Organic Chemical Vapor Deposition (MOCVD) growth of III-Nitrides- SAVEETHA SCHOOL OF ENGINEERING – 09.09.2021*
37. *"Outcomes-based Teaching, Assessments and Evaluation" INPOD 17.09.2021.*

38. "Development of Quality Improvement Process – Optimizing faculty success", organized by the Department of Science and Humanities, NIET, Coimbatore, 19-07-2021 to 23-07-2021.
39. Ict tools for effective teaching learning – 8th to 10th June - Kamala Nehru Mahavidhayalaya, Nagpur.
40. Refresher course in chemistry- FDP A.V.C college- 8-13 March 2021
41. Synthesis and functionalisation of nanomaterials, Swarnadhara Engineering College, 10-15 May 2021.
42. National intellectual property awareness mission - TRAINING PROGRAMME -Feb 23, 2022.
43. National level - SDP-VARIPUS STIMULATION TOOLS USED IN RESEARCH -online/ sathyabama institute of Science and technology -28th Feb 2022 to 5th March 2022
44. IP awareness and training programme- NIPAM-FEB 23, 2022 - Sri sairam engineering college.
45. Advanced concepts of outcomes -based education – April 8, 2022 – Inpods ed-tech
46. Research methodology – Amar Sewa Mandals Kamala Nehru Mahavidhayalaya. May 2 – May 7 2022

Online course:

1. Completed NPTEL course on title "Organometallic chemistry" with ELITE grade
2. Completed NPTEL course on title "Co-ordination chemistry" with ELITE grade
3. Completed NPTEL course on title "Stero chemistry "
4. Completed NPTEL course on title "Reactive Intermediate Carbenes and Nitrenes"
5. Completed NPTEL course on title "Enchancing soft skill and personality" with ELITE-SILVER grade and 7 days FDP
6. Introduction to Google Docs, Coursera, 25.05.2020
7. Create Your First Python Program, Coursera, 25.05.2020
8. Air Pollution – a Global Threat to our Health, Coursera, 18.05.2020
9. Beyond the Sustainable Development Goals, Coursera, 06.06.2020
10. Introduction to Molecular Spectroscopy, Coursera, 24.06.2020
11. Weight Management, Beyond Balancing Calories, Coursera, 05.06.2020
12. Practical Introduction To Command Line , Coursera, 04.06.2020
13. Natural Attenuation Of Groundwater Contaminants, New Paradigms, Technology & Application, Coursera, 13.06.2020
14. Introduction To Python, Coursera, 04.06.2020

15. *Spread Sheet For Beginners Using Google Sheets, Coursera, 27.06.2020*
16. *How To Write And Publish A Scientific Paper, Coursera, 20.05.2020*
17. *General Chemistry ,Concept Development And Application, Coursera, May 2020*
18. *Introduction To Data Analytics, Simple Learn, April 12th 2020*
19. *Introduction To Iot, Simple Learn, April 10th 2020*
20. *Chemistry - Molecules And Their Composition – Revised, Alison, Apr 2020*
21. *Data Science and Master Class with 4 projects & 8 case studies, Udemy, Nov 2019*
22. *Online Refresher Course In Chemistry For Higher Education, Swayam Arpit, 16.2.2020*
23. *Online Refresher Course In chemistry In Day To Day Life, Jamal Mohamed College, 04.06.2020 TO 08.06.2020*
24. *Virtual organic chemistry Lecture series, Sathyabama Institute of Science& Technology, 22.06.2020 - 27.06.2020*
25. *Online course in Evolution of Modern Periodic, Sri Krishna College of Engineering and Technology, Coimbatore, 01/05 &02/05*
26. *Electronic waste management - issues and challenges – NPTEL – JAN-FEB 2021*
27. *Completed NITTTR – Module 4 – Instructional planning and Delivery, Oct 2021.*
28. *Completed NITTTR – Module 3-Communication Skills, Modes and Knowledge Dissemination), September 2021.*
29. *Completed NITTTR – Module 1*
30. *Completed NITTTR – Module 5*
31. *Completed Online course in UDEMY “Nanotechnology introduction, essentials and opportunities” on 22nd Nov 2023.(61 lectures, 4.5 hours)*
32. *Completed 3 months certificate course in SIRD with B grade.*
33. *Completed Online course in NPTEL titled “Nano bio photonics”with 73% Elite silver.*

Book chapter

1. *Green Approach Of Nanoparticle Synthesis – An Overview- -S. Anitha, and M. Suganya in CHALLENGES AND OPPORTUNITIES IN NEW GLOBAL BUSINESS, SCIENCE AND TECHNOLOGY. ISBN: 978-81-958752-6-9*

2. *Study Of Physico-Chemical Parameters Of Water By Different Analytical Methods- M Suganya, S Anitha, and P Suganthi in CHALLENGES AND OPPORTUNITIES IN NEW GLOBAL BUSINESS, SCIENCE AND TECHNOLOGY. ISBN: 978-81-958752-6-9*

Patent

Publication Number : 202211061755 Topic: A novel organic fertilizer based on Nano Formulations , Publication Date - 29th of October 2022

Publication Number : 202211061755 Topic: Use of Graphite Nano-Platelets in Water Purification Membranes for Heavy Metal Removal Indian patent: 202341077122, Filing Date-11/11/2023 Published date-22/12/2023