

Sri Sai Ram Engineering College
Department Of Humanities And Sciences

Name: **Dr. C. SELVAKUMAR**



Designation:

Associate Professor

Qualification:

M.Sc., M. Phil., B.Ed., Ph.D

Area of Specialization:

*Medicinal
Chemistry
Nano Chemistry*

Experience :

Teaching: UG: 15 Years 07Months

No. of Workshop / Conferences / FDP attended

18

Publication :

*Journal
National: 3
International: 1*

*Conferences
National: 6
International: 3*

Research Guidance :

NIL

General :

- *Life Member of ISTE and IEEE.*
- *Certified internal auditor of ISO 9001:2015 Quality Management System and Audit Training.*

Staff Achievements:

- *Received "The Best Performance Award" Educationist Teacher's day award - 2013 from GTEC, Vellore.*
- *Achieve 100% result in Engineering Chemistry I, Engineering Chemistry II, Environmental Science and Engineering.*

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	2004	Islamiah Collge	University of Madras	65%	I
PG	M.Sc	General Chemistry	2006	Islamiah Collge	Thiruvallur University	64%	I
M.Phil	M.Phil	Medicinal Chemistry	2008	Islamiah Collge`	Thiruvallur University	60%	I
B.Ed	B.Ed	Education	2012	Rajeshwari Institution	Educational Board	73%	I
Ph.D.	M.Phil	Nano Chemistry	2020	Bharathiar University	Bharathiar University	-	I

Academic Experience

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
GGR College of Engg, Vellore	Lecturer	10.07.2007	29.05.2009	1	10	19
Ganadipathy Tulsis Jain Engg, College, Vellore	Assistant Professor	01.06.2009	30.06.2015	6	-	-
Sri SaiRam Engineering College	Assistant Professor	03.07.2015	31.08.2022	7	1	20
Sri SaiRam Engineering College	Associate Professor	01.09.2022	Till date	0	7	27
Total				15	06	06

PUBLICATIONS

Journals

1. **C.Selvakumar, A.Fiaz Ahemed and V.T. Geetha**, *Enhanced Transparency and Antibacterial activity of Silver doped cadmium sulfide nanomaterial*, *AIP Conference Proceedings* 2464, 020006 (2022).
2. **C.Selvakumar and P.Deepa**, *Optical and anti-oxidant application of zinc doped cadmium sulfide nanoparticle*, *Indian Journal of Chemical Technology*, 27(1):9-17, January 2020
3. **C.Selvakumar and P.Deepa**, *Synthesis and Characterization of Silver-Cadmium Sulphide Nanoparticles using Wet Chemical Route*, *International Journal of ChemTech Research*, Vol.7, No.6, pp 2675-2680.
4. **C.Selvakumar and P.Deepa**, *Microwave-assisted synthesis of silver doped with cadmium sulphide using capping agent*, *Nanoscience and Nanotechnology-An Indian Journal*, Vol.10, 2016, pp 1-6.

Book Chapter:

1. **C.Selvakumar and V.T.Geetha**, *Synthesis, Characterization and Application of Bimetallic Sulfide Nanocomposites for need of Sustainable Development*, *Emerging Trends in Business and Technology for sustainable Development*, *Wisdom Publication*, ISBN- 978-81-956844-1-0, pp. 35-50, 2022.
2. Dr. V.T. Geetha, **Dr. C. Selvakumar** and T. Amirthavarshini, *Green Synthesis, Properties And Catalytic Applications Of Fe₃O₄ Nano Materials For Sustainable Development*, *Emerging Trends in Business and Technology for sustainable Development*, *Wisdom Publication*, ISBN- 978-81-956844-1-0, pp. 151-158, 2022.

Patent:

Patent Number: 202241058170 Topic: Graphene nanocomposites having novel hybrid compositions and method thereof, Published Date: 10.10. 2022, Status: Published.

Conferences:

1. *Webinar on Frontier in Organic electronics, webinar attended at NIT, Rourkele, Odisha on 29th June to 3rd July 2020.*

2. *"Anti-microbial activity of silver nanoparticles", paper presented in National Conference on Chemistry and Material Sciences Conducted by Saveetha Engineering College, Chennai, on 22 March 2019.*
3. *"Comparative Study of Silver Doped Cadmium nanoparticles by wet chemical method", presented on Proceedings of the International Conference on Science, Technology and Engineering (SET-2015) organized by Department of Chemistry, VIT, Vellore, 5 and 6 May 2015.*
4. *"Synthesis and Characterization of Silver Doped Cadmium nanoparticles" Paper presented in the National seminar on Recent Research Trends in Chemistry 2014 organized by Department of Chemistry, C.Adul Hakeem College, Vellore, 25 September 2014.*
5. *"Synthesis and Characterization of Zinc Doped Cadmium nanoparticles" in the National Conference on Recent Advance in Nanosciences in Chemistry 2014 organized by Department of Chemistry, Auxilium College, Vellore, on 21 November 2014.*
6. *"Synthesis and Microbial Application of Pyridine Derivative", paper presented on National Seminar on Recent Trends in Heteroatom Chemistry, held at the Department of Chemistry, Annamalai University, Annamalainagar on 28 and 29 March 2007.*
7. *Participated on UGC Sponsored National Seminar on "New Trends in Nanochemistry", held at Sacred Heart College, Thirupattur, on 25 and 26 August 2006.*
8. *Participated in the state level UGC seminar on "The New Vistas in Spectra Scope Techniques", held in Islamiah College, Vaniyambadi, held on 20 and 21 August 2005.*

Workshops Attended:

1. *National Level workshop on "Materials Technology Advancement in Current Scenario", participated on Department of Physics, Sathyabama Institute of Science and Technology, on 4 to 10 July 2020.*
2. *National Level workshop on "Advancements in Chemical Sciences", attended in Sai Ram Institute of Technology, Chennai, on 18 July 2016.*
3. *One day workshop on "Instrumental Methods Of Analysis" attended on VIT, Vellore, on 7th January 2006.*
4. *One day state level workshop on "Science Research Methodology", organized by School of physical science, Mahendra Arts and Science College, Kalipatti on 30 and 31 August 2006.*
5. *Three day intensive workshop on "Finite Element Methods" organized by Department of Mathematics, VIT, Vellore, on 16, 17 and 18 November 2000.*

FDP's Attended:

1. *Attended Seven days FDP on “Application of new material in emerging field” at Sathyabama Institute of Science and Technology, Chennai from 24th June & 30th June 2020.*
2. *Attended Two days FDP on “AFM And FTIR Based Material Testing For Research” at Aarupadai Veedu Institute of technology , Chennai from 17th July & 18th Dec 2019.*
3. *Staff development programme on “Characterization Of Materials” organized by Department of Physics, Sri Sai Ram Institute of Technology, Chennai, held on, 20 & 21 July 2017.*
4. *FDP on “Innovation Teaching Methodology for Outcome Based Education”, held from 7 to 10th May 2014 Organized by GTEC, Vellore.*
5. *Staff development programme on “Engineering Chemistry-II” by the Department of Chemistry, Anna University, Guindy, Chennai, held on 5th to 12th January 2010.*

Online Courses:

1. *Udemy: Complete 20+ hours of lecturers and examples online course on March 28, 2020.*
2. *Corsera: Introduction of Molecular Spectroscopy, 17th May2020.*
3. *Coursera: Gmail: The foundation to Assessing Google Apps, 19th May 2020.*
4. *Coursera: Spread sheet for Beginners using Google Sheet, 19th May 2020.*
5. *Coursera: Introduction to Google Docs, 22th May 2020.*
6. *Corsera: Create your first python programme, 22th May2020.*
7. *Corsera: Natural Gas, 20th June2020.*
8. *Coursera: Air Pollution- A global threat to our health, 23th June 2020.*
9. *Corsera: Build a simple App in android studio with java, 23th June2020.*
10. *Corsera: Covid-19: Contact Tracing, 23th June2020.*
11. *Corsera: Quantum Mechanics, 23th June2020.*
12. *Completed NITTTR – Module 3 – Instructional planning and Delivery, Oct 2021.*
13. *DST-FIST Sponsored Virtual Worksop on “Scanning Electron Microscopy” on 5th to 6th October 2021 at Sethu Institute of Technology.*
14. *Webinar on “Raman Spectroscopy and its Applications in Materials Science”, on 28th January 2022.*