

**Mrs. S. VIMALA**

**Assistant Professor,**

**Staff Code: TCH2018M03**

**PG and Research Department of Chemistry,**

**Holy Cross College, Trichy-2.**

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A motivated and results-driven professional with strong background in Chemistry possessing excellent skills in theory and practical. Known for delivering high-quality work and contributing to team success with a proactive and solutions-oriented approach.

**EDUCATIONAL QUALIFICATION:**

DEGREE	SUBJECT	COLLEGE / UNIVERSITY	YEAR OF STUDY
B.Sc.	Chemistry	Holy Cross College. Trichy-2.	2000-2003
M.Sc.	Chemistry	Holy Cross College. Trichy-2.	2003-2005.
M.Phil.	Chemistry	Bharathidasan University.	2005-2006.
SET	Chemistry	Mother Teresa University, Kodaikanal.	2016
Ph.D	Chemistry	Holy Cross College, Trichy-2.	Pursing (2021-Till date)

**WORKING EXPERIENCE:**

**Experience (Teaching):**

Name of the College	Designation	Joining Date	Relieving Date	Experience	
				Years	Months
Holy Cross College, Trichy-620002.	Assistant Professor	16/06/2018	Till Date	6 years	3 Month
M.A.M. College of Engineering, Trichy-105	Assistant Professor-II	31/05/2011	30/07/2014	3 years	2 Months
National College, Trichy-620001	Lecturer	13/09/2006	31/03/2011	4 years	6 Months
			<b>TOTAL</b>	13 years	11 months

## E-CONTENTS PREPARED:

- ✦ Electrochemistry
- ✦ Mc-Lafferty rearrangement and Nitrogen rule.
- ✦ Cholesterol content of serum and fatty liver.
- ✦ Jaundice-symptoms, causes and treatment

## RESEARCH:

Name of the College	Research/Project	Subject
Bharathidasan University Trichy-620024	M.Phil. (Chemistry)	A Study on the Co-ordination compounds with Bioactive Ligands.
Holy Cross College, Trichy-620002	M.Sc., (Chemistry)	Biochemical Studies and Effects of Heat Shock responses In Horse gram.

## RESEARCH AREAS:

- Inorganic Chemistry
- Phytochemistry

## PUBLICATIONS:

1. Anti-Oxidant and Anti-Cancer Activities of Biogenic Synthesized Copper Oxide Nanoparticles. Biomedical and Biotechnology Research Journal (BBRJ) 6(3): p 341-348, Jul-Sep 2022. | DOI: 10.4103/bbrj.bbrj\_136\_22
2. Comparison of Anti-Inflammatory Activities of Biogenic *Gymnema Sylvestre*- and *Panicum Sumatrense*-Mediated Titanium Dioxide Nanoparticles. Biomedical and Biotechnology Research Journal (BBRJ) 5(4): p 405-411, Oct- 2021. | DOI: 10.4103/bbrj.bbrj\_164\_21
3. Exploring the Therapeutic Potential of *Pergularia daemia*: Synthesis and Characterization of ZincOxide Nanoparticles. Oriental Journal of Chemistry (OJC)2024; 40(4): p 1061-1066, Aug-2024  
| DOI: 10.13005/ojc/400417

## BOOK PUBLICATION:

- ❖ Co-author in the book entitled “**Lab Manual**” for Chemistry Students.

## KEY ACHIEVEMENTS:

- ❖ **Resource Person** for the two days workshop on “Journey into Science - Exploration of Wonders” organized by PG and Research Department of Chemistry, Holy Cross College

(Autonomous), Tiruchirappalli 620 002 on 30<sup>th</sup> and 31<sup>st</sup> May 2024.

- ❖ **Resource Person** for the workshop on “Preparation of Chemical reagents and Laboratory safety measures for newly recruited staff and nonteaching staff” organized by PG and Research Department of Chemistry, Holy Cross College, Trichy on 28<sup>th</sup> June 2024.

**Awards Received:**

Received the Award from “**Mission 10X**” for Faculty Development Programme

**CONFERENCE/ SEMINAR/ WORKSHOP/ TRAINING PROGRAMME PARTICIPATED/ PRESENTED**

S.No:	Theme	Place	International / National/ State Level	Year	Paper Presentation / Participation
1.	“Networking Research and Innovation in Higher Education for a Sustainable Society: Challenges and Channels” (ICNRI 2018)	Holy Cross College (Autonomous), Trichy. 25-27 July, 2018	National	2018	Participated
2.	National conference on Nano National Summit –Current Trends and Future Perspectives. (NNSCTFP-2019)	Holy Cross College (Autonomous), Trichy	National	2019	Participated
3.	Webinar Series on “Remote Classrooms-Digital Technology in Teaching Learning” organized by IQAC.	Holy Cross College (Autonomous), Trichy 30.05.2020	National	2020	Participated
4.	HCCares Webinar Series on the topic "Seed and Weed-Nurturing Relationships”	Holy Cross College (Autonomous), Trichy 02.06.2020	National	2020	Participated
5.	A FiveDay National Level Online workshop on “CHEMISTRY IN OUR DAY TO DAY LIFE”	Jamal Mohammed College. Trichy 4 – 8 June 2020	National	2020	Participated
6.	Webinar on “Obesity and its role in Breast Cancer” organized by CICRSD, Holy Cross College (Autonomous), Trichy	Holy Cross College (Autonomous), Trichy 06.06.2020	National	2020	Participated
7.	Webinar Series II on “STRIDE Tutorial on Transdisciplinary Research” organized by the Center for Research and Development, Capacity Building of Young Talent in Transdisciplinary Research for a Sustainable Development of Society, UGC, STRIDE COMPONENT 1,	Holy Cross College (Autonomous), Trichy 11.06.2020	National	2020	Participated

8.	International webinar on Emerging Trends in Chemistry Education and Research (ETCER)	Wilson College, University of Mumbai 25 & 26 June 2020	International	2020	Participated
9.	One week online International Faculty Development Program (FDP) on “Artificial Intelligence and IoT-Heuristic Transdisciplinary perspectives” organized by CICRSD.	Holy Cross College (Autonomous), Trichy 4-10 July 2020	National	2020	Participated
10.	Eight Days National Level Virtual Faculty Development Programme on “21 <sup>st</sup> CENTURY DEVELOPMENT IN INVENTIONS AND INNOVATIONS: A INITIATIVE IN TEACHING AND LEARNING STRATEGIES”	SRM Institute of Science and Technology, Ramapuram, Chennai-89 20 – 27 July, 2022	National	2022	Participated
11.	Research Structuring and Publication Process	Centre for Research and Training (CRT), National Foundation for Entrepreneurship Development (NFED) Coimbatore, Tamil Nadu. 23-27 July, 2024	National	2024	Participated

#### ORIENTATION / REFRESHER / OTHER COURSES:

Name of the Course	Academic Staff College, University
Innovative teaching and skills for online classroom.	Tamilnadu open university
Adolescent Health and Well Being- A Holistic Approach.	NPTEL -AICTE

#### COMPUTER SKILL:

Post Graduate Diploma in computer application (**PGDCA**), at Tamil Nadu computer software college, Trichy.

#### SUBJECTS SPECIALIZED IN TEACHING: (UG, PG)

- a) Inorganic Chemistry
- b) Physical Chemistry
- c) Chemistry of Biomolecule
- d) Applied chemistry

e) Environmental Chemistry

**LEADERSHIP PROFILE:**

Involvement in the College Students related activities Description

Department Rescape incharge (2018-2020.)
Discipline committee incharge of the Department (2018-19).
Sports incharge of the Department (2018-19).
Fine arts club incharge of the Department (2019-20).
Sports incharge of the Department (2022-23).
Internal committee incharge of the Department (2023-24).
Fine arts club incharge of the Department (2024-25).

**Declaration:**

I hereby declare that the above information's are true to the best of my knowledge.

Your's faithfully,

*(S. Vimala)*