

Dr.C.L.MONICA



Designation : Assistant Professor
E-Mail ID : monica_evs@vrsiddhartha.ac.in
Contact at : S&H-1/105, Department of Chemistry,
 Siddhartha Academy of Higher Education
 (Deemed to be University),
 VR Siddhartha School of Engineering,,
 Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Environmental Science)

2022 March, Acharya Nagarjuna University, Guntur

M.Phil (Environmental Science)

2015 November, Acharya Nagarjuna University, Guntur

M.Sc (Environmental Studies)

2004, GITAM, Andhra University, Visakhapatnam

B.Sc (Farm Science and Rural Development)

2002, Loyola Academy, Osmania University, Hyderabad

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2024 to till date	Assistant Professor	Siddhartha Academy of Higher Education (Deemed to be University)	Teaching & Research
2011-2024	Assistant Professor Environmental science	(Ratified by JNTU in Feb 2023) (Nomenclature changed by JNTU Kakinada) Velagapudi Ramakrishna Siddhartha Engineering College	Teaching & Research
2005-2011	Lecturer Environmental science	(Ratified by ANU in Aug 2005) Velagapudi Ramakrishna Siddhartha Engineering College	Teaching & Research
2004-2005	Lecturer	St.George Educational Institute for Distant Education	Teaching Environmental Science for M.Ed students

Research Interests

Broad Area of Research :

Green audit, Water analysis, Remote sensing and GIS, Organic farming, Derivatives from plant origin with medicinal value, Green technologies, Climate change and Sustainable development.

Honors and Awards

- 5th rank in M.Sc. First class with Distinction

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Environmental engineering Lab	UG
2	Environmental science	UG
3	Environmental studies	UG
4	Professional Ethics and Human values	UG
5	Professional Ethics and Practice	UG
6	Universal Human Values : Understanding harmony	UG
7	Engineering chemistry lab	UG

Research Profile

Publications

The recent publications and research contributions can be viewed from the following URLs

Google Scholar	https://scholar.google.com/citations?user=_6cBjtoAAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57204044118
ORCID	--
dblp	--
Publons	--
Research Gate	--
LinkedIn	www.linkedin.com/in/cyrl-lucy-monica-satyadhar-62765859
VIDWAN	https://vrsiddhartha.irins.org/profile/396359

Recognized Research Supervisor

S.No.	Department	University

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Maintenance of Environmental Engineering Lab, Civil Engineering Department	VRSEC	April 2007- November 2008	Maintenance of Environmental Engineering Lab <ul style="list-style-type: none"> Quality analysis of Water – all purpose use: Drinking, Agriculture and Construction purpose. Soil, Tiles, Bleaching powder for Municipal drinking water treatment
2	Course Coordinator for Environmental Science since	VRSEC	2005 to till date	guidance for UG, research publications
3.	member : Environmental Audit committee	VRSEC	2014 to 2019	Preparation of Green Audit report 2014-2019 organizing <i>World water day</i> march 2018
4.	Co-Coordinator for Eco club	VRSEC	2017-2019, 2024 till date	Eco friendly activities
5.	Volunteer for Helpdesk,	VRSEC	08-12TH MARCH 2021	UHV FDP nationwide by AICTE

Certifications/MOOC Courses Completed

S. No	Title	Platform	Duration	Year
1.	Geographic Information Systems- Basic	AIT Bangkok	3jan To 7 th Jan	2017
2.	Application Of Ict Tools For Enhancement Of E-Learning & Teaching Pedagogy In Schools	Integral University, Lucknow	8 July To 14 Jul	2020
3.	Green Audit	Osmania University, Environment Protection Training and Research Institute, Hyderabad	9 Aug To 14 Aug	2020
4.	4- Week Induction/Orientation Programme For Faculty In Universities/ Colleges/ Institutes Of Higher Education	Ramanujan College, University of Delhi, MHRD, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, New Delhi	10 Nov To 9 Dec	2020
5.	Universal Human Values - Inculcating Universal Human Values In Technical Education	AICTE	14 Dec To 18 Dec	2020
6.	Advanced Concepts For Developing Moocs	Ramanujan College ,University of Delhi,MHRD	2 July To 17 July	2020
7.	Universal Human Values - Inculcating Universal Human Values In Technical Education	AICTE	14 Dec To 18 Dec	2020
8.	Satellite Photogrammetry And Its Application	Indian Institue of Remote Sensing, Indian Space Reseach Organisation, Government of india	29 Jun To 3 Jul	2020
9.	Coursera : Everyday Parenting :The Abcs Of Child Rearing	Yale University, New Haven, Connecticut, US	Four Weeks	2020
10.	Part 1 Of The Online Uhv Refresher 1 Fdp	AICTE, New Delhi	15 Feb To 19 Feb	2021
11.	Part 2 Of The Online Uhv Refresher 1 Fdp	AICTE, New Delhi	17 Jan To 22 Jan	2022
12.	Malaviya mission teacher training programme	SVUT	15 Dec to 23 Dec	2023
13.	edX : Sustainable Global food Systems	EbinburghX	4 weeks	2024
14.	Energy literacy training	NPTEL	12 modules	2025

Consultancy / Industry Projects

Completed	01 (Time Period: 2001 November to 2002 January) Godrej Biotech tissue culture lab industry.
	01 (Time Period: 2007 April to 2008 November) consultancy
On-going	-
Applied	-

Patents

S.No	Title	Status	Application No.	Year
1.	Deep learning based technique integrated with time series data for accurate prediction of plant growth and yeild	Published	202211069352	2022
2.	Implementation of ai in agriculture through machine learning and iot for advanced plant disease detection	Published	202541003947	2025
3.	Enhancing iot-driven agriculture monitoring systems using blockchain technology and machine learning algorithms	Published	202541005948	2025
4.	Integration of machine learning with a smart iot-based monitoring system for poultry farms: chicken behavioral analysis for predicting egg production rate and egg weight	Published	202521040412	2025
5.	Ai-powered irrigation systems transforming agricultural water management with predictive analytics and smart sensor networks	Published	202541044856	2025

Ph.D

Awarded	--
Guiding	--

Invited Talks

No. of Invited Talks	15
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Professional Service / Reviewer

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Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	33
International / National Level Seminars	20
International / National Level Conferences	16
Workshops	25
Instructor Led / Self-Paced Courses	24
Webinars	63

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	IASTA-LM-633	IASTA Membership Life member of " <i>Indian Aerosol Science and Technology Association</i> "
2.	174190	IAENG Membership
3.	FAELS – 358.2025	Fellow of Academy for Environment and Life Sciences

Date: 09-09-2025

(Dr. C. L. Monica)
