

Curriculum Vitae

Mailing Address:

Maram Varshitha,
D/o: M. Ramakrishna Reddy,
Gangarpuru (v),
Chappadipalli (p),
Baireddipalli (m)
Chittoor (dist)
Andhra Pradesh, India
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CAREER OBJECTIVE:

Associate myself with a professionally driven esteemed organization by pursuing a challenging, dynamic, responsible and rewarding career.

EDUCATIONAL BACKGROUND:

Education	Discipline	School/College	Year of study	Percentage obtained
M.Sc	ORGANIC CHEMISTRY	SREE VIDHYANIKETAN DEGREE COLLEGE	2020	62%
B.Sc	BIOTECHNOLOGY	MOTHERTERESA DEGREE COLLEGE PALAMANERU	2015	72.9%
INTERMEDIATE (BI.P.C)	Biology, Physics, & Chemistry	SRI CHAITANYA BARATHI ARTS AND SCIENCE Jr COLLEGE TIRUPATHI	2012	76.3%
X CLASS	SSC	ZPHS NELLIPATLA	2010	81.5%

PROFESSIONAL SKILLS:

- Catalysis
- Organic synthesis
- NMR Spectroscopy, I.R.Spectroscopy, Mass Spectrometry
- Reagents
- Oxidation and Reduction
- Theoretical knowledge on TLC, HPLC, I.R , U.V .
- Stereo chemistry

SUBJECTS COVERED:

- Major subjects: Organic Chemistry, Inorganic Chemistry, Physical Chemistry and General Chemistry.
- Botany, Chemistry, Bio-Technology.

PROJECT WORK:

- **Area of Project work:** Organic Chemistry and colorimetric receptors
- **Title:** Design and Synthesis of new receptors for molecular recognition of environmental polluting cations
- **Thesis in submission stage:**

Among the wide range of cations, detection of heavy metal ions and transition metals has attained significance in the scientific community because of its toxicity and need to mankind. This biologically important cations has a vital role in clinical applications. Therefore, small quantity of transition metal ions is beneficial to human health. In contradictory, excess of transition metals consumption is always health concern as it can cause many health disorders. Recently, Mercury has also been suspected for many lethal diseases including damaging the DNA. Despite of knowing these facts, continued introduction of Mercury to the environment by excessive usage of industrial wastes is concerned. Though industrial methods such as cation monitor probes are available for the detection of cation, it consumes more time and requires skilled efforts to operate. On the other hand, colorimetric method of detection is widely accepted due to the low cost, instantaneous, easy/safe to handle, equally selective and sensitive.

Keeping this scope in mind, new organic molecules were designed and synthesized for the colorimetric detection of heavy metal ions and their practical applications were studied during the course of M.Sc.

Analytical

- Analytical interpretation of organic molecules by ^1H , ^{13}C NMR, IR and MS.

STRENGTHS:

- Dedicated, industrious tenacious attitude towards achieving the objectives and goals.
- Ability to adapt to a new environment and be functional immediately.
- Inquisitive and diligent in gaining new knowledge.
- Ability to build a team and be an effective team leader.
- Active learner & critical thinker.
- Good verbal and written communication skills.

CO-CURRICULAR ACTIVITIES:

- Actively participated in debating, quiz competitions and group discussions that supported me to equip myself with good communication skills.
- Volunteering at a regional foundation offering free health care camps in rural areas

PERSONAL DETAILS:

- Name : Maram Varshitha
- Gender : Female
- Father name : M Ramakrishna Reddy
- Mother name : M Vijayakumari
- Date of Birth : 27-07-1995
- Nationality : Indian
- Languages known : English and Telugu
- Permanent Address : Gangarpuru Village,
Chappidipalli(P), Baireddipalli(M), Chittoor(DT),
Andhra Pradesh-517432.

- **DECLARATION:**

The best of my knowledge and I take the complete responsibility in case of any circumstances.

DATE:

PLACE:

Maram Varshitha