

CURRICULUM VITAE

K.MADHAVI

D/O. K. Krishnamurthy
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CAREER OBJECTIVE:

Looking for learning and application oriented scientific responsibilities that would allow me to utilize my education and professional experience in an organization, where I would be deserved for my growth of career programme.

EXPERIENCE:

- ❖ Working as a Lecturer in Chemistry in Besant Theosophical College, Madanapalli since June 2018.

ACADEMICS:

- **M.Sc.**, (Organic Chemistry) with **70 %** from Sri Venkateswara University (2015-2017).
- **B.Ed.** (biology & English) with aggregate **68 %** from Sri Venkateswara University (2011).
- **B.Sc.**, (BZC) with aggregate **62 %** from Mahatma Gandhi KasiVidya Pith(2007).
- **Intermediate** with aggregate **59.7%** from BIE, Andhra Pradesh (2001).
- **S.S.C.** with aggregate **75.5%** from Board of Secondary Education, Andhra Pradesh (1999).

TEACHING SKILL EFFICIENCY:

- ❖ Subject knowledge over basic chemistry and applied chemistry.
- ❖ Good teaching skills and communication skills.
- ❖ Good student oriented teaching ability.
- ❖ Improvement of student efficacy for the self-motivation and development of his subject knowledge.
- ❖ Ability to prepare chemistry subject materials in lucid manner.
- ❖ Attitude to make a good relationship with students to clarify their doubts and stress.
- ❖ Simultaneous balance of student social responsibility and his psychological behaviour along with his subject knowledge.
- ❖ Knowledge on stereochemistry and organic reaction mechanisms.
- ❖ Knowledge on reactions handling, monitoring and purification techniques.
- ❖ Involved in the separation of organic compounds using column chromatography.
- ❖ Basic knowledge on literature review on chemical synthesis.

WORKSHOPS CONDUCTED:

Organized and coordinated a national workshop cum training from 3-01-2019 to 4-01-2019 on cheminformatics and its application in drug research industry, conducted by the Department of Chemistry, Besant theosophical college, Madanapalle, A.P. in Collaboration with IIT Khargpur Event.

STRENGTHS:

- ❖ Positive attitude
- ❖ Quick learner
- ❖ Hard working

TECHNICAL SKILLS PROFICIENCY:

- ❖ MS-office
- ❖ PGDCA.

PROJECT:**Preparation of *O*-chlorobenzoicacid:**

Guide: Sarveswar

Description: Involved in the synthesis of *O*-chlorobenzoicacid from phthalic anhydride. This compound synthesis involves three steps; step-1 is preparation of pthalimide from phthalicanhydrie, step-2 is preparation of anthranilicacid from pthalimide and step-3 is preparation of *O*-chlorobenzoic acid from anthranilic acid.

When phthalic anhydrie is treated with urea on heating it converts into pthalimaide, which in turns treated with bromine in the presence of strong alkali at cold condition gives anthranilic acid. This anthranilic acid on diazotisation fallowed by sandmeyer reaction (CuCl₂)chlorination produced the title molecule *O*-chlorobenzoicacid.

PERSONAL PARTICULARS:

Father's Name : Mr.K. Krishnamurthy
Marital Status : Married
Date of Birth : 17-02-1984
Nationality : INDIAN - Hindu
Languages Known : English and Telugu

DECLARATION:

I hereby declare to bear the responsibility for the correctness of the information given in this resume.

Date: 13-11-2025.

Yours Sincerely,

Place: Burakayalakota.

(Madhavi Kagithala).