

Bio-Data

Name: - Mr. Chandu Nivarati Potangale
Designation: - Assistant Professor in Chemistry



1. Personal Information:-

- **Date of Birth: -** 1st July 1982
- **Sex: -** Male
- **Status: -** Married
- **Address: -** At Post Narangal (BK) Tal. Degloor Dist. Nanded
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2. Educational Qualification:-

Degree	COURSE	BOARD/UNIVERSITY	YEAR OF PASSING	MARKS OBTAINED	GRADE
M.Sc.	Inorganic Chemistry	Department of Chemistry SPPU Pune	July 2006	52.25 %	Second Class
B.Sc.	Chemistry	SPPU Pune	May 2004	61.00 %	First Class
H.S.C.	Science	S A S Jr. College Mukdhed (Nanded)	June 2006	61.16 %	First Class
S.S.C	—	M.B. Vidyalay Nagaral	July 1998	63.46 %	First Class
SET	Inorganic Chemistry	SPPU Pune	2010	Qualified	--

3. Other Qualification:-

NMR Technique: Having sound knowledge of NMR (Installation, operation and maintenance):

- 1) Analysis of sample by ¹H, ¹⁹F, **CMR**, **DEPT** using almost all duterated solvents. Temperature dependent (VT) experiments on **NMR analysis (VARIAN 400 MHz & MR-400MHz)**
- 2) Quantification (**Purity**) of Compound by using NMR Technique. (**QNMR** with internal standard method.)
- 3) Having sound knowledge of **2D-Experiments** like **NOE**, **HETCOR**, **COSY**, **NOESY**, **HETCOR Decoupling** etc.
- 4) Routine maintenance of NMR (Liquid N₂ refilling, Liquid He₂ Refilling).

HPLC & LCMS Technique:

- 1) **LCMS** - Mass analysis of newly designed reaction, intermediate monitoring & final product.
- 2) LC/MS of all library compounds with purity specifications.
- 3) MS/MS operating and data analysis generated by these instruments of different compound.
- 4) **HPLC** – Impurity detection and reaction monitoring.
- 5) Methods development, chiral HPLC, preoperative HPLC

4. Experience: - 7 Years Teaching Experience and 5 Years Industrial Experience.

5. Research:-

M.Sc. Project Title:

'Synthesis of Strontium and Barium mixed ferrites by co-precipitation method and its characterization.'