

VINODH PICHAIMUTHU

7, Mennakshi nagar
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Pollachi, Coimbatore
Tamil nadu, India
Pincode-642001

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Objective

To take up a challenging career in the field of Nanoscience and technology with a mission of being an exemplary researcher

EDUCATION

- **2007-2009** **Bharathiar University** **M.Sc. Nanoscience and Technology (4.03/6)(CGPA)**

Modules included:

- Classical Mechanics & Statistical Mechanics
- Quantum Mechanics
- Condensed Matter Physics
- Fundamentals of Nanoscience
- Electronics
- Synthesis of Nanomaterials
- Characterization of Nanomaterials
- Nano Electronics
- Nano-Lithography
- Nano-Biotechnology
- Nano-Medicine and Drug Delivery Systems
- Nanoscale Magnetic Materials and Devices
- Spectroscopy
- Inorganic Semiconductor Nanomaterials

Masters Dissertation on (Crystal Structure determination of medically important compound)

- **2003-2006** **N.G.M. College** **B.Sc. Zoology (63%)**
- **2000-2001** **G.K.N. Hr Sec School** **H.S.C (75%)**
- **1998 -1999** **G.K.N. Hr Sec School** **S.S.L.C (64%)**

Technical Skills

Fabrication:

- Very good knowledge in Thin film deposition by Thermal Evaporation, Sputtering and spin coating
- Very good knowledge in synthesis of Nanomaterials from physical chemical method by using Sol gel process, Ball milling
- Very familiar to handle to Atomic Force Microscopy and X-ray Diffraction unit for Nano material characterization

Research Interest

- Nano materials
- Nano Sensor and Thin Film
- Nano Device preparation for specific applications

Research experience

M.Sc. Dissertation Description:

Title: Crystal Structure determination of medically important compound

Objective:

Several 2, 6-disubstituted piperidine derivatives have fungicidal, herbicidal and bactericidal properties. Both the Natural and Synthetic piperidine derivatives exhibit high pharmaceutical values. Piperidines have a favourable Pharmacokinetic profile in rodents and primates and excellent oral bioavailability. In this project our team lead to find the different piperidine compounds and its structure for medical importance. My research focuses to crystallization and structural determination of *c*-3, *t*-3-dimethyl-*r*-2, *c*-6-diphenylpiperidin-4-one. (Empirical formula $C_{26}H_{25}N_2O_2$)

This project is done under the guidance of Prof. **Dr.M.N.Ponnuswamy** at Department of Crystallography and Biophysics, University of Madras, Guindy campus, Chennai

Skill's learned:

- Research tools and techniques learnt in crystallization
- Protein expression and purification
- Biophysical characterization of crystallization

Work experience

Project Assistant

Bharathiar University

2010 –Nov'11

Responsibilities:

- Data collection and lab research work related to current project
- Working with team members to lead the project work
- Maintain and assist the instruments in laboratory

Skill's learned:

- Instruments handling for Nano material characterization properties
- Familiar with data collection and research work leading to the project

Service Engineer

Adroit System

2006-2007

Responsibilities:

- Analysis for the problems of computer hardware system and fix it.
- Assist system user for their networking solution

Skill's learned:

- Very good knowledge in computer hardware and networking

Personal Details

- | | |
|------------------|------------------------------|
| • Name | Vinodh. P |
| • Father's Name | Pichaimuthu. K |
| • Mother's Name | Valli.T |
| • Marital status | Single |
| • Date of birth | 11-04-1984 |
| • Age | 27 |
| • Language known | English, Tamil and Malayalam |
| • Nationality | Indian |

- Pass port Number H2309436
- Residence (permanent) 4/8, Police Quarters
Palakkad main road
Pollachi, Coimbatore
Tamil Nadu, India.
Pincod-642001.
- Current residence 7, Meenakshi Nagar,
Jothi Nagar, Pollachi
Coimbatore, Tamil Nadu
India
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International /National Conferences and Courses Attended

- Attended in International workshop on Cancer Nanomaterials (ICONSAT-2010) 17th February, 2010, IIT Bombay, India
- Attended in International conference on electro ceramics (ice-2009), 13-17 December, 2009, Delhi University, New Delhi, India
- Attended in Indo-Us workshop on Nanotechnology: Application and Implication, 10-12 November, 2009, IICT, Hyderabad, India
- Attended in National Level Workshop in Advanced Technique in Crystallography 2009 – Madras University, Chennai, India
- Participated in First Science Conclave 2008 (an interaction meet with Nobel lectures) IIIT, Allahabad, India

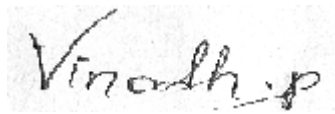
IT Skill's

- Operating system : XP, Vista, Windows 7
- Package : MS Office Package
- Programming language : C and C++ language

Declaration

I hereby declare that all the information furnished in the above are true to the best of my knowledge and belief.

Date: 14/11/2011


VINODH PICTHAIMUTHU

References:

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