**Manasa Nandimandalam**



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**SUMMARY**

A young enthusiastic and results oriented professional with years of experience in Pharmaceutical & chemical industry and worked as research fellow in reputed research institutions looking forward to take up a challenging research program in chemistry.

**Professional Profile:**

**Nov 2019 – Till date :** Pursuing PhD in Morphogenesis and Tissue Engineering

**Sept 2018 – Oct 2019 :** One year Second Masters in Nanotechnology Engineering, Sapienza University Di Roma, Italy

**June 2016 – Dec 2017 :** Secondary school teacher, Montfort matric. Hr. sec. school

Worked as a chemistry teacher

**July 2013 – Aug 2014**

Junior Research Fellow at GITAM University, Department of Chemistry, Andhra Pradesh, India.

**Key Responsibilities:**

* Liquid-liquid Solvent extraction of metals from mineral acids by using amines and organic substances.
* Worked on estimation of chromium metal & extraction of metal released from industries
* Done various industrial visits to understand the process and metal extraction from process waste.
* Tested water quality Index of water samples collected from various areas.
* Extracted Chromium and iron from industrial waste and analyzed using UV-Visible Spectrophotometric analysis

**Sept 2012 – June 2013**

Quality Control, R&D, Process Development officer at SNF India, Vishakhapatnam, Andhra Pradesh, India.

A France based company leading in organic binders worldwide

**Key Responsibilities:**

* Synthesis of Flocculants, Binders, Emulsions and coagulants.
* Improvement of formulation, Process development of binder, research in use of binders in iron ore palletization to improve strength of pellets.
* Use of flocculants to remove dyes from the waste water of textile industry.
* Been part of ISO 9001: 2000 implementation and won prize for best practices in laboratory.
* Very good experience in using MS-Excel.
* Proficiency in **MS Office** (Word, Project, PowerPoint, Access, Outlook)
* Attended several national and international seminars and participated in 2 international seminars

**Academic Project Outline:**

**Project 1: Solvent extraction of chromium from aqueous acid solutions. (Dec 2013 to Aug 2014)**

At: GITAM University, Visakhapatnam, Andhra Pradesh, India.

Short description: As part of my project fellow work under UGC-MRP entitled “Recovery and reuse of industrial contaminants”. I have worked on solvent extraction of chromium using organic solvents and studied the amount of extraction from UV-Visible Spectroscopy and atomic absorption Spectroscopy.

**Project 2: Synthesis of silver Nano particles from henna extract and study of their antimicrobial activity. (July 2013 to Nov 2013)**

At: GITAM institute of science, GITAM University, Vishakhapatnam, Andhra Pradesh, India.

Short description: With a knowledge of Nanoscience at my post-graduate studies, I worked on synthesis of silver nanostructures form henna extract and observed the antimicrobial activity in microbiology laboratory as an inter disciplinary project. Here I am assigned to work on SEM and XRD for the analysis of nanostructures.( A failure project)

**Project 3: Synthesis of Sumatriptan Succinate. (Sep 2012 to Jun 2013)**

At: Smilax laboratories private ltd., Jeedimetla, Hyderabad, Andhra Pradesh India.

Short description: As a part of our curriculum at my post-graduate studies, I had done summer project on the synthesis of sumatriptan succinate at smilax laboratories with a team under their guidance. During this project I studied about the chemical reactions, TLC, and distillation process.

**Academic Credentials:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Qualifications** | **Specialization** | **Institute** | **Year of passing** | **Percent of marks** |
| M.Sc. | Organic chemistry | GITAM university / Vishakhapatnam | 2012 | 7.74/10 CGPA |
| B.Sc. | Microbiology, Chemistry, | Sri VenkateshwaraUniversity / Nellore | 2010 | 77.8/100 |

**Personal Information:**

* Marital Status : Married
* Languages : Telugu, English, Hindi, Tamil, French, Italian
* Hobbies : Singing (Carnatic Music), Dancing, learning languages.
* Toefl score : 74/120

I hereby declare that all the above mentioned details are true and have certification for all the projects and academic records.

Date: 13/03/2019

Place: Rome N.Manasa