

# Dishita C. Purohit, M.S.

## Curriculum Vitae

---

### Name

Dishita C. Purohit

### Work Address

Southwest College, 2811 Hayes Road, Houston, Texas, 77082

### Office Telephone Number

713-718-7771

### College Email Address

dishita.purohit@hccs.edu

### EDUCATION

**M.S. Chemistry** May 2011  
**Texas A&M University-Kingsville**  
Emphasis: Organic Chemistry  
Minor: Environmental Engineering & Statistics

**B.S. Chemical Engineering** August 2007  
**University of Mumbai, Mumbai, India**

**A.S. Chemical Engineering** August 2004  
**Shri Bhagubhai Mafatlal Polytechnic, Mumbai, India**

### TEACHING/ TUTORING EXPERIENCE

**Chemistry Instructor, Houston Community College System** August 2011- Present  
Courses: Introduction to Chemistry (Lecture and Lab)

**Chemistry Instructor, Alvin Community College** August 2011- Present  
Courses: Organic Chemistry I (Lecture and Lab), General Chemistry I (Lab)

**Teaching Assistant, Lab Assistant, Stockroom Assistant, Grader, Texas A&M University – Kingsville**  
August 2008- May 2011  
Courses: Organic I, Organic II, Chemical Literature, Environmental Chemistry, Introduction to Chemistry, Introduction to Arts & Sciences

### RESEARCH

**Graduate Researcher** August 2009- May 2011  
**Texas A&M University-Kingsville**  
Graduate Research Project: "A review of the methods of introducing a Formyl Methyl Group on the  $\alpha$ -carbon of a Ketone leading to a possible Three Step Synthesis of 5,10-Dihydro-4H-benzo-[5,6]cyclohepta[1,2- b]furan, from 8,9-Dihydro-5H,7H-benzocyclohepta-5,6-dione" *Pallescensin E*

## **WORK EXPERIENCE/ INTERNSHIPS**

Chemistry Intern

September 2007- July 2008

**J.Parikh & Co. Analytical Labs, Mumbai, India**

Chemical Engineering Intern

December 2003- May 2004

**Unidyne Energy Environment Systems Pvt. Ltd, Mumbai, India**

Chemical Engineering Intern

June 2002- December 2002

**M/s C.J. Chemicals, Mumbai, India**

## **COMPUTER SKILLS**

Chemistry: SciFinder, ChemDraw

Engineering: AutoCAD, Minitab, ChemCAD, C+, C++, SAS

Microsoft Office: Excel, Word, PowerPoint

## **INSTRUMENTATION/AUTOMATION**

Chemistry: NMR 300 MHz, HPLC, Mass Spectroscopy, ICP, AA, GC, MALDI

## **AWARDS/FELLOWSHIPS/ACTIVITIES AND AFFILIATIONS**

**Texas A&M University-Kingsville**

- Robert A. Welch Fellowship, August 2008- May 2011, Texas A&M University- Kingsville
- Member of the organizing committee of paper presentation competition hosted by College Department

## **ACADEMIC PROJECT AND PRESENTATIONS**

*"Determination of Optimum Alum Coagulation /Microfiltration Treatment Process"*, Texas A&M University-Kingsville

- Studied the Alum Precipitation of Phosphate, and Microfiltration of Turbidity
- Determined the dependent and independent variables

Manufacture of *"High fructose corn syrup"* (HFCS), University of Mumbai, India

- Designed material and energy balance calculations
- Developed Process Flow Diagram (PFD) and Process Instrumentation and Design (P&ID)
- Sized Equipment & Theoretical Design of Calendria type Evaporator