

## **AMARNATH P.C**

### **Assistant Professor**

Department of Chemical Engineering  
Bapuji Institute of Engineering & Technology,  
Davangere – 577004

**Mob:** +91-9880267444

**Email:** amar3086@gmail.com

---

### **RESEARCH INTEREST:**

Environmental Sciences, Chemical Reaction Engineering, Bioprocessing Engineering, Novel Separation Techniques

### **TEACHING EXPERIENCE:**

- Worked as a Lecturer in Chemical Engineering Department of Bapuji Institute of Engineering and Technology, Davangere from August 2011.
- Promoted as Assistant Professor from September 2012 till date in the Department of Chemical Engineer

### **INDUSTRIAL EXPERIENCE:**

- Worked as Project Trainee for 1 year at Tadimety Aromatics from July 2010 to June 2011

### **EDUCATIONAL QUALIFICATION:**

- M.Tech [Chemical Engineering] from Siddaganga Institute of Technology, Tumkur in 2011 with First Class with Distinction.
- B.E [Biotechnology] from G.M Institute of Technology, Davangere in 2009 with First Class.

### **DISSERTATION DETAILS:**

**Title:** Investigative studies in the area of Production of Higher Aldehydes (C-8, C-10 & C-12) from Higher Alcohols using Partial Oxidation Process.

**Description:** The fatty aldehydes like C-8, C-10, C-12 and C-14 are having a wide range of applications in the perfumery industries due to their pleasant odor. These products can be synthesized economically by using the Oxidative Dehydrogenation method using copper as

catalyst. Copper being the cheapest among other noble metals has proved its worth. The packed bed column reactor is used to carry out oxidative dehydrogenation. The various parameters like yield, conversion, selectivity and also the catalytic deactivation have been studied over a period of 10 months. The method is proved to be viable and showed good results.

**CORE SUBJECTS TAUGHT:**

Chemical Reaction Engg I & II, Biochemical Engg, Novel Separation Techniques, Mechanical Operations, Chemical Process Industries

**SEMINAR/ WORKSHOPS ATTENDED/PRESENTED:**

- Attended a VGST-VTU sponsored faculty development programme on NANOTECHNOLOGY from 11th to 15<sup>th</sup> April 2012 held at VTU, Belgaum.
- Attended FEEL TEACHER Workshop from 18<sup>th</sup> to 20<sup>th</sup> April 2013 at B.I.E.T., Davangere.
- Attended VTU-VGST Faculty Development Programme on “Sustainable Development through Sugar Industries” from 28<sup>th</sup> to 31<sup>st</sup> July 2013 at M/S Shamanur Sugars Ltd., Duggavathi, Davangere.
- Presented a paper on “Oxidative dehydrogenation of Decanol to Decanaldehyde (C-10 aldehydes) in a packed bed catalytic reactor in presence of copper catalyst”. At CHEMCORE-2011 held at MVJ College of Engg, Bangalore