

**Name** **MR. ANNASAHEB KHANDERAY BANDSODE**  
**BE.(Chemical), M.Tech (Chemical), PhD**  
**(Pursuing)**

**Designation** Assistant Professor

**Department** Chemical Engineering

**Date of Joining the Institute** 9<sup>th</sup> of March 2012

**Education** BE Chemical from PREC, Loni. [Pune University]  
M.Tech Chemical from IIT, Bombay, Mumbai  
Pursuing PhD from Dr BATU, Lonere

**Branch / Specialization** Chemical Engineering

**Areas of Interest** Mass Transfer Operations, Process Dynamics and control, Process Modeling

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#### Academic Appointments

Name of the University / Institute/ Industry	Duration	Designation
1. <b>Finolex Academy of Management and Technology, Ratnagiri.</b>	<b>From 09/03/2012 to Till Date</b>	<b>Assistant Professor</b>
2. <b>Bharati Vidyapeeth College of Engineering, Kharghar, Navi Mumbai</b>	<b>From 01/01/2004 to 08/03/2012</b>	<b>Assistant Professor</b>
<b>Total Experience – 18 Years</b>		

#### Papers Published

##### International Journals – 03

1. Design methodology for fluidized bed carbon Nanotube synthesis, Nanomaterials and Energy, Vol 1, Issue 3, Page No 180-190
2. Electro-Catalysts used for CO Tolerance in Proton Exchange [PEM]Fuel Cell, International Journal of Research in Advent Technology, Vol 1, Issue 5, Page No- 350-358

3. Input-Output Pairings for multivariable systems, International Journal of Research in Advent Technology, Vol.4, No.1, January 2016

#### **National Conferences – 07**

1. Paper presented titled "**A review on Bioremediation**" at a two day National Conference on Environmental Engineering and Management (NCEEM-2008) organized by TKIET Warnagar.
2. Paper presented titled "**Desalination of Sea Water**" at The National Conference on 'Water Purification Techniques' organized by TSEC Bandra.
3. Paper presented titled "**A Review On Bioremediation**" at ABHIYAAN 2010, organized by BVCOE, Navi Mumbai.
4. Paper presented titled "**A Review of Sea Water Desalination Techniques**" at ABHIYAAN 2010, organized by BVCOE, Navi Mumbai.
5. Paper presented titled "**Osmotic Dehydration of Potatoes**" at 6<sup>th</sup> OYCE conference at MGM CET, Kamothe.
6. "MODELING AND CONTROL OF QUADRUPLE TANK PROCESS", RAST 2K16, FAMT, Ratnagiri, Feb. 2016
7. "DEVELOPMENT IN SEAWATER DESALINATION TECHNOLOGIES", RAST 2K16, FAMT, Ratnagiri, Feb. 2016
8. "Removal of Heavy Metals from Wastewater By Using Bio-adsorption", RAST 2K16, FAMT, Ratnagiri, Feb. 2016

#### **Number of Workshops, Seminars, STTPs, FDPs Attended – 14**

1. Attended one day workshop on 'CFD:A Revolutionary Tool in Chemical Industry' Conducted by IIT Bombay on 5<sup>th</sup> October 2002
2. Attended one day workshop on 'Biotechnology: A New Dimension to Chemical Engineering' Conducted by IIT Bombay on 13<sup>th</sup> March 2004
3. Attended one day workshop on 'A Voyage into Environmental Issues-Scientific, Ethical and Spiritual Perspectives' Organized by SIES Nerul on 14<sup>th</sup> February 2009.
4. Attended One Day Workshop Design of Distillation Unit' organized by RCF, Chembur on 17<sup>th</sup> April 2010.
5. Attended One Week ISTE workshop on 'Advances in Instrumentation and Control' Conducted by BVCOE, Navi Mumbai during 31<sup>st</sup> -4<sup>th</sup> June 2010.
6. Attended One Day Workshop on 'Design of Distillation Unit' organized by RCF, Chembur on 2<sup>nd</sup> April 2011

7. Attended One Day Workshop on 'Six Sigma: An Overview' conducted by FAMT Ratnagiri on 13<sup>th</sup> April 2012.
8. Attended One Week ISTE and WIPRO workshop on 'Mission 10X' Conducted by RMCET, Ambav, during 7<sup>th</sup> May—11<sup>th</sup> May 2012.
9. Attended Two day ISTE and WIPRO workshop on 'High Impact Teaching Skills' Conducted by RMCET, Ambav, during 7<sup>th</sup> May—8<sup>th</sup> May 2012.
10. Attended 2-week ISTE Workshop on "Introduction to Research Methodologies" Under the National Mission on Education through ICT (MHRD, Govt. of India) Organized by IIT Bombay during 25<sup>th</sup> June-4<sup>th</sup> July 2012
11. Attended 2 Day ISTE Workshop for Teachers on "Aakash for Education" Conducted by IIT Bombay under the National Mission on Education through ICT
12. Attended 2-week ISTE Workshop on "Engineering Thermodynamics" Under the National Mission on Education through ICT (MHRD, Govt. of India) Organized by IIT Bombay during 11<sup>th</sup> -21<sup>st</sup> December 2012
13. Attended 2 Day ISTE Workshop on "Steps 2 Research" Conducted by IIT Bombay under the National Mission on Education through ICT during 19<sup>th</sup>-20<sup>th</sup> September 2014
14. Attended Two Week ISTE workshop on 'Control System' Conducted by IIT Kharagpur under the National Mission on Education through ICT
15. One day workshop on Python conducted by IIT, Bombay on 22<sup>nd</sup> June 2019

#### **Professional Membership**

1. **Indian Society of Technical Education (I.S.T.E)**
2. **International Association of Engineers (IAENG)**  
**IAENG**

#### **Duties Carried Over**

##### **As a Teacher:**

Being a Lecturer my prime role is to teach the undergraduate students (B.E. Course) at different semesters. The subjects taught at different levels are as follows-

1. Process Calculations during semester III
2. Material Science and Technology [Now Material Science and Engineering] during semester IV.
3. Chemical Engineering Economics during semester IV
4. Mass Transfer Operations-I during semester V
5. Mass Transfer Operations-II during semester VI
6. Instrumentation during semester VI

7. Process Dynamics and control during semester VII
8. Environmental Engineering during semester VIII
9. Advanced Process Control during semester VIII

**As a Guide:**

I have personally guided to many of the final year students and helped them to complete their project work for the partial fulfillment of their degree course.

**As an Examiner:**

I am the approved Examiner by the University of Mumbai for the above mentioned subjects. In every semester I am involved in assessing the answer sheets, taking the Oral Examinations of the relevant subjects. I am also a paper setter for these subjects.

**Administrative Experience:**

1. Examination coordinator at University of Mumbai in second half of 2008
2. Member of Syllabus Revision Committee for the subject of Material Science and Technology, Mass Transfer Operations-I and II
3. Convener of Syllabus Revision Committee for the Subject of Chemical Engineering Economics
4. Worked as CAP coordinator for Konkan region for Mumbai University
5. Worked as Secretary cum treasurer for ISTE Chapter of FAMT, Ratnagiri.
6. Worked as Class advisor, time-table coordinator, and laboratory In charge of laboratories such as Mass Transfer Operations, Computer Applications, Instrumentation and Process Control for many years.