

Name**DR. RAMESH S BHANDE**
M Tech. (Chemical Engg.), PhD

Date of Birth

12/10/1976

Highest Qualification

PhD

Branch /
Specialization
Designation

Chemical Engineering

Associate Professor

Department

Chemical Engineering

Date of Joining the
Institute

06/01/2012

**Work Experience****12 years****Number of Papers
Presented/Published
in National/
International
Conferences
Details****10**

1. Bhande, R. S., Juvekar, V. A., "Preparation and Characterization of Langmuir Blodgett film of Poly (acrylamide-co-acrylic acid)", World Congress on Engineering and Computer Science 2010, Vol. II WCECS 2010, October 20-22, 2010, San Francisco, USA
2. Bhande, R. S., Juvekar, V. A., "Enhancement of Functional Properties of Langmuir-Blodgett Polymer-films by Incorporation of Silica Nanoparticles", FM 108 (340), ICONSAT 2010, February 17-20, 2010, Mumbai, India
3. Bhande, R. S., Juvekar, V.A., "Preparation & Characterization of Langmuir Film of PEO at Air – Liquid Interface", GS-V:OP6(70), PPS – 25, March 1-5, 2009, Goa, India
4. Bhande, R. S., Juvekar, V.A., "Preparation and Characterization of the Langmuir films of Polymer at the Air-Water Interface". P 139, International Conference on Nanomaterials and Applications (ICNAMA-08), December 9-11, 2008, Kolhapur, India
5. Ramesh S Bhande, Vinay A Juvekar, "Study the viscoelastic properties of polyethylene oxide film using equivalent circuit model", CHEMCON-2014, December 27-30, 2014, Chandigarh
6. Ramesh S Bhande, Yogesh A Landge, "Experimental study of polymer adsorption on hydrophilic surface using quartz crystal", CHEMCON-2014, December 27-30, 2014, Chandigarh
7. Bhande, R. S., Joshi G. M. & Muley D. N., "Static Compression

- Modulus Studies of Stearic Acids”, Advances in Chemical and Mechanical Engineering, NCACME-2012 (80), January 27-28,2012, Lavel, Ratnagiri, India
8. Mathure P. V., Ganguly S., Bhande, R. S., Richharia A., Patwardhan A. V. &Saha R. K., “Production of Hydrogen by Steam Reforming of Methanol Using Commercial Nickel - Alumina Catalysts”, CHEMCON – 05, 2007, New Delhi, India
 9. Mathure P. V., Ganguly S., Bhande, R .S., Patwardhan A. V., &Saha R. K., “Use of Commercial Alumina - Supported Nickel Catalysts for Steam Reforming of Methanol: An Experimental Study”, NCFCE-2007, National Conference on Frontiers in Chemical Engineering, IIT Guwahati, India, on 12-14 December 2007
 10. Bhande, R. S. & Juvekar. V. A., “Study of Langmuir Blodgett Film of Polyethylene oxide at Air – Liquid interface”, poster presentation, RSS - 2007, 2nd Research Scholar symposium organized by Dept. of Chemical Engineering, IIT Bombay, Mumbai, India, on 8th -10th December 2007

**Number of Papers
Presented/Published
in National/
International
Journals**

11

01. P. A. Giri, S. L. Pandharipande, R. S. Bhande, “Optimum Sequencing of Distillation Columns”, International Journal of Research in Management, Science & Technology, 2(3), 2014, 5-9
02. R. S. Bhande, P. A. Giri, “Dissipation Study of Adsorbed Polymer Film using Impedance Analysis”, International Journal of Research in Management, Science & Technology, 2(3), 2014, 1-4
03. Damodhar J Garkal and Ramesh S Bhande, “Review on Extraction and Isolation of Cashew Nut Shell Liquid”, International Journal of Innovations In Engineering Research And Technology, 1(1), 2014, 1-8
04. Bhande R.S., Badgujar S. M. & Kadlag S.S., “Effect of Molar Ratio on Conversion of Methanol for Hydrogen Production by Steam Reforming for Fuel Cell Application”, International Journal of Chemical and Physical Sciences, 2, 2013, 11-17
05. Bhande R.S., & Goilkar S.S., “An Experimental Study - Effect of Molar Ratios on Conversion of Ethanol to Hydrogen by Steam Reforming”, International Journal of Chemical and Physical Sciences, 2, 2013, 18-24
06. Bhande R.S., “Significance of Temperature on Conversion of Ethanol for Hydrogen Production by Steam Reforming -an Experimental Study”, International Journal of Chemical and

- Physical Sciences, 2, 2013,25-31
07. Bhande R.S., Landge Y. A. & Giri P. A., "Consequence of Temperature on Conversion of Methanol for Hydrogen Production by Steam Reforming", International Journal of Chemical and Physical Sciences, 2, 2013,32-38
 08. Bhande R. S., Landge Y. A. & Giri P. A., "Study the Behavior of n-A Isotherm with Increasing Amount of Octadecanoic acid at Air-Water Interface", Journal of Chemical and Pharmaceutical Research, 4(6), 2012, 3297-3301
 09. Bhande R. S., Badgajar S. M. & Kadlag S. S., "Experimental Study of Densely Packed Thin Film of Octadecanoic Acid at Air-Water Interface", International Journal of Engineering Research and Technology, 1(6), 2012, 1-4
 10. Bhande, R. S. & Juvekar, V. A., "Enhancement of Functional Properties of Langmuir-Blodgett Polymer-films by Incorporation of Silica Nanoparticles", International Journal of Nanoscience, 10(4), 2011, 1-5
 11. Mathure P. V., Ganguly S., Bhande, R. S., Patwardhan A. V. & Saha R. K., "Use of Commercial Alumina - Supported Nickel Catalysts for Steam Reforming of Methanol: An Experimental Study", International Journal of Chemical Science, 5(4), 2007, 1541-1551

Number of Workshops, STTPs Attended

6

Details

1. Attended 2-Week ISTE workshop on "Engineering Thermodynamics" Under the National Mission on Education through ICT (MHRD, Govt. of India) Conducted by IIT Bombay, held at FAMT, Ratnagiri, during December 11th -21th, 2012
2. Attended XIth Oil and Gas HR round table conference organized by Indian School of Petroleum and Energy Dehradun, held on 24th August, 2012 at Hotel Lalit, Mumbai
3. Participated in the Seminar on "Research Methodology and Recent Techniques (RMRT-12)" organized by University of Mumbai, Sub-Centre Ratnagiri held on February 25th 2012.
4. Attended 2-Week ISTE workshop on "Computational Fluid Dynamics" Under the National Mission on Education through ICT (MHRD, Govt. of India) Conducted by IIT Bombay, held at K. K. Wagh Institute of Technology, Nasik, during June 12-22, 2012
5. Attended 3-days National Workshop on "Soft Condensed Matter" Organized by UGC-National Resource Center, Department of Chemical Engineering, Institute of Chemical Technology, Matunga, Mumbai during June 06-08, 2012
6. Participated in the Workshop of SIX Weekends on "Intellectual Property Rights (IPR) Fundamentals" organized by IPR Cell,

Shailesh J. Mehta School of Management, Indian Institute of Technology, Bombay, during August 24- October 12, 2008

**Students projects
Guided at Masters
Level
Details**

NIL

**Membership in
Professional Bodies**

Details

1. Member of the International Association of Engineers (IAENG),
Membership number: 108385

**Seminars/Lecture/
Invited Talks
Delivered As
Resource Person
Details**

NIL

**Awards / Honours /
Prizes**

NIL

Details

NIL

**Research /
Sponsored /
Consultancy Projects**

NIL