

S.B. Ghugare

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Educational Qualifications

1. PhD (Pursuing) NCL, Pune University
2. M. E. Chemical Engineering, BVU, Pune
3. B. E. Chemical Engineering, BVCOE, Pune University
4. Diploma in Chemical Engineering, MSBTE, Maharashtra

Experience

Teaching: 16 Years

Industry: 01 Years

Research: 05 Years

Awards/Achievements

- Felicitated by AISSM Society Pune for above 90 % results of students of chemical engineering in taught subjects.
- GATE Qualified in 2000 (Per. Score- 89.4)
- Invited as a Resource Person for National Workshop on “Applications of MATLAB in Chemical Engineering” organized by Department of Chemical Engineering, SIT, Pune on 21 April 2008
- Invited as a Resource Person for an expert talk in National Seminar on “Advanced Computational Techniques for Engineering Applications”, a two days National Level Seminar organized by the Dept. of Chemical Engg, AISSMSCOE, Pune-1 on 31 Jan-1 Feb 2014

Research

- The successfully completed research work titled, “Biomass fermentation in 5 Lit. stirring bioreactor” of Prof S B Ghugare and Prof P M Warke was funded for Rs 80,000/- by BCUD, University of Pune for the period 2012-2014.
- PhD Research: Design and Development of Computational intelligence based methodologies for Chemical Engineering and Technology Applications
Period: 2010- till date
Status: In Progress

Publications

Journals

National:

- S.B. Ghugare, S. J. Attar, S.C. dey, “Optimisation of fixed bed Defloridation using Neural Networks “, Chemical Engineering World (Sept.2007), Vol. 42.

International:

- S. B. Ghugare, S. Tiwary, V. Elangovan, S. S. Tambe, 'Prediction of Higher Heating Value of Solid Biomass Fuels Using Artificial Intelligence Formalisms', BioEnergy Research, Volume 7 Number 2 (2014) 7:681-692, ISSN 1939-1234, DOI 10.1007/s12155-013-9393-5
- S. B. Ghugare, S. Tiwary, V. Elangovan, S. S. Tambe, 'Computational intelligence based models for prediction of elemental composition of solid biomass fuels from proximate analysis', Int J Syst Assur Eng Manag, (2014) ISSN: 0975-6809 DOI 10.1007/s13198-014-0324-4

Conference

National:

- Enhancement of cyclone separator performance for air pollution control Frontier Technologies in Waste Management, 15-17 Jan 2014 Dept. of Chemical Engg, AISSMSCOE, Pune-1
- Biomass Fermentation in a 5 L Stirring Bioreactor Innovation-2014, 29th April 2014 BCUD, University of Pune

International:

BOOKS

- S. B. Ghugare, 'Chemical Engineering for GATE & other Competitions', 1st Ed., 2005, Khanna Publishers, Delhi

Course/Seminar/Symposium/Workshop Organized

- Organized & participated in National Level Symposium on "Durability of Concrete" held at AISSMSCOE, Pune on 1st March 2006.
- Organized & Participated in National Level Students Symposium and Exposition "AISSMS Engineering Today" held at AISSMS COE, Pune in 2006-07
- Organized & Participated in National Level Symposium on "Bioprocess Engineering" held at AISSMSCOE, Pune on 17-18st Oct. 2007.
- Organized & Participated in National Level Students Symposium and Exposition "AISSMS Engineering Today" held at AISSMS COE, Pune in 2007-08
- Organized & Participated in National Level Students Symposium and Exposition "AISSMS Engineering Today" held at AISSMS COE, Pune in 2008-09
- Organized & Participated in National Level Students Symposium and Exposition "AISSMS Engineering Today" held at AISSMS COE, Pune in 2009-10
- Organized & Participated in online Webinar on "Green Energy Simulations" on 25 Feb 2010, 3:30 pm IST at AISSMS COE, Pune
- Organized & Participated in National Level Students Symposium and Exposition "AISSMS Engineering Today" held at AISSMS COE, Pune in 2010-11
- Organized & Participated in online Webinar on "Introduction to MATLAB" on 13 April 2011, 3 pm IST at AISSMS COE, Pune
- Organized an on-line Webinar on "Introduction to MATLAB" on 13th April 2011, 3:00 PM to 4:00 PM for faculty members and students of Chemical Engineering Department in the Department.
- Co-ordinated a video conference spoken tutorial on "Scilab: A mathematical simulation software" for 35 students of chemical engineering jointly with the Spoken Tutorial Team, IIT Bombay on 17 January 2012.
- Co-ordinated the "Troubleshooting" event in annual event: Engineering Today 2012 for the students of chemical engineering.
- Co-ordinated the "Poster Presentation" event in annual event: Engineering Today 2013 for the students of chemical engineering.
- Co-ordinated the "Poster Presentation" event in annual event: Engineering Today 2014 for the students of chemical engineering.
- Co-ordinated the "Quiz" event in annual event: Engineering Today 2015 for the students of chemical engineering.
- Co-ordinated the two days national level workshop on 'Advanced Computational Techniques for Engineering Applications', as a team member in the organizing committee of the Department of Chemical Engineering, AISSMSCOE, Pune-1 on 31 Jan-1 Feb 2014.

Course/Seminar/Symposium/Workshop Attended

- Participated in Linux workshop organized by Computer Engineering Department AISSMS COE, Pune on 11-13 July 2006.
 - Participated in one day workshop on Advances in Mathematical Modeling & Simulation in Engineering in 2008-09 at AISSMSCOE, Pune
 - Attended an one-day workshop on "Next Two Decades of Chemical Sciences and Technology" in National Chemical Laboratory, Pune on 23rd September 2011, organized jointly by Maharashtra Academy of Sciences and National Chemical Laboratory.
 - Attended a two-day seminar on "Future Manufacturing Concepts in the Chemical and Pharmaceutical Industry" organized by UGC Networking Resource Centre, Department of Chemical Engineering, ICT Mumbai on 3rd and 4th February 2012.
 - Advanced Computational Techniques for Engineering Applications, a two days national level workshop organized by the Department of Chemical Engineering, AISSMSCOE, Pune-1 on 31 Jan-1 Feb 2014.
 - Faculty Development Program, 15th to 17th May, AISSMSCOE, Kennedy Road, Pune-1
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- Carried out extensive work on National Board of Accreditation (NBA) Criteria's of the Department of Chemical Engineering, AISSMSCOE, Pune-1, in the year 2011-12 which resulted in the accreditation of the department for two years.