

	Name		Dr. Mrs. Veena Anand Shinde				
	Designation		Associate Professor				
	Qualification		B.E., M.E., Ph.D. Chemical Engineering				
	AICTE ID		1-419625890				
	Date of joining		1 August 1996				
	Contact No.		Cell	9822911125	Telephone	020-24107312	
	Email ID		vashinde@bvucoep.edu.in				
	Experience		Teaching :	24 Years	Industry :	-	Research.
Area of Interest	Heat Transfer, Artificial intelligence based nonlinear modeling and stochastic optimization of chemical processes						
Total no. of Publications	International Journal (s).		11	National Journals (s) :		06	
	International Conference (s).		02	National Conference.		02	
Research Publication Details	<p>International Journal.</p> <ol style="list-style-type: none"> Patil-Shinde, V., Kulkarni, T., Kulkarni, R., Chavan, P. D., Sharma, T., Sharma, B. K., Tambe, S. S., and Kulkarni, B. D. (2014). Artificial intelligence-based modeling of high ash coal gasification in a pilot plant scale fluidized bed gasifier. <i>Industrial & Engineering Chemistry Research</i>, 53 (49), 18678-18689. (Impact factor-3.573, indexed in Scopus and Web of Science) Patil-Shinde, V., Saha, S., Sharma, B. K., Tambe, S. S., and Kulkarni, B. D. (2016). High Ash Char Gasification in Thermo-Gravimetric Analyzer and Prediction of Gasification Performance Parameters Using Computational Intelligence Formalisms. <i>Chemical Engineering Communications</i>, 203 (8), 1029-1044. (Impact factor- 1.802, indexed in Scopus and Web of Science) Verma, D., Goel, P., Patil-Shinde, V., and Tambe, S. S. (2016, January). Use genetic programming for selecting predictor variables and modeling in process identification. In <i>IEEE explore, 2016 Indian Control Conference (ICC)</i> (pp. 230-237). IEEE. (ISBN: 978-1-4673-7992-2), doi: 10.1109/INDIANCC.2016.7441133. (indexed in Scopus and Web of Science) Goel, P., Saurabh, K., Patil-Shinde, V., and Tambe, S. S. (2016). Prediction of^o API Values of Crude Oils by Use of Saturates/Aromatics/Resins/Asphaltenes Analysis: Computational-Intelligence-Based Models. <i>SPE Journal</i>, 22 (03), 817-853. (Impact factor-3.372, indexed in Scopus and Web of Science) Patil-Shinde, V., Mulani, K. B., Donde, K., Chavan, N. N., Ponrathnam, S., and Tambe, S. S. (2016). The Removal of arsenite [As (III)] and arsenate [As (V)] ions from wastewater using TFA and TAFA resins: Computational intelligence based reaction modeling and optimization. <i>Journal of Environmental Chemical Engineering</i>, 4 (4), 4275-4286. (Impact factor-4.3, indexed in Scopus and Web of Science) 						

6. Patil-Shinde, V., Tambe, S. S. (2017). Genetic programming formalism for prediction of vapor-liquid equilibrium. *CALPHAD*, 60, 68-80. **(Impact factor-1.947, indexed in Scopus and Web of Science)**
7. Chavan, P. V., Thombare, M. A., Bankar, S. B., Kalaga, D. V., Patil-Shinde, V. (2018). Novel multistage solid-liquid circulating fluidized bed: Hydrodynamic characteristics. *Particuology*, 38, 134-142. **(Impact factor-2.787, indexed in Scopus and Web of Science)**
8. Lakshete, V., Patil-Shinde, V. (2020). Multilayer perceptron neural network based models for the prediction of vapor-liquid equilibrium. *Int. J. Recent Tech. Eng.*, 8(6), 3795- 3801. **(SJR-0.11, ISSN: 2277-3878)**
9. Teli, S. J., and shinde, V.A. (2018). Design Distillation column for separation of Ortho Meta Para Nitro Toluene and optimization using Aspen. *International Journal of Advanced Research in Science and Engineering*, 7(6), 200-214. **(impact factor 2.4, listed in Google scholar)**
10. Kadam, K., and Shinde, V. (2013). Technologies for the control of Sulphur dioxide emissions from coal/pet coke fired boiler. *International Journal of Engineering research & Technology*, 2(9), 2104-2112. **(ISSN2278-0181)**.
11. Mahajan, P., Shinde, V. A., Thomas, D., and Mayadevi, S. (2012). Adsorption of toluene and m-xylene on ZSM-5 under reaction conditions. *International Journal of Advances in Chemical Engineering & Technology*, 1(2), 1-11.

National Journal.

1. Sharma, A., Rahi, S., Dcruz, A., Shinde, V. A., and Shinde, S. N. (2020). Downstream separation of fusel oil. *Chemical Engineering World*, 55, 67-74. **(Impact factor- 0.091, indexed in Google Scholar)**
2. Saini, S. K., and Shinde, V. A., (2012). Energy conservation and efficiency calculation in chemical process plant. *Journal of Engineering Research and Studies*, 3(1), 30-33. **(E-ISSN0976-7916)**
3. Bhalla, V., Rajpuri, S. K., Kaul, S. N., and Shinde, V.A., (2008). Experimental methods in high pressure VLE measurement. *Chemical Engineering World*, 43(1), 65-67. **(Impact factor- 0.091, indexed in Scopus and Google Scholar)**
4. Amitabh, K., Ojha, K. R., Sharma, G., and Shinde, V.A. (2007). Vapour-liquid equilibrium study for multi-component system. *Chemical Engineering World*, 42(10), 46-49. **(Impact factor- 0.091, indexed in Scopus and Google Scholar)**
5. Shinde, V.A., and Bhalerao, A. R. (2007). Phase equilibria studies for multicomponent systems. *Chemical Engineering World*, 42(4), 73-75. **(Impact factor- 0.091, indexed in Scopus and Google Scholar)**
6. Raut, S. J., Sadhana, M., Shinde, V. A., and Kaul, S.N. (2007). Thermodynamic equilibrium evaluation of Si-H-Cl system for production of polycrystalline

	<p>silicon <i>Chemical Engineering World</i>, 42(4). (Impact factor- 0.091, indexed in Scopus and Google Scholar)</p> <p>International Conference.</p> <ol style="list-style-type: none"> 1. D.Verma, P.Goel, V.Patil-Shinde, S.S. Tambe, Use genetic programming for selecting predictor variables and modeling in process identification.Indian Control Conference'16, 4-6 January 2016, IIT Hyderabad. 2. Gadekar, S. V., Kulkarni, K. S., Patil, V. V., and Raut, S. J. Application of Residue Curve Map for Non ideal systems. In <i>Indo –Italian Brain storming workshop</i>, 5-6 December 2005, BVDUCOE Pune. <p>National Conference.</p> <ol style="list-style-type: none"> 1. Shinde, V. A., and Naik, R.V. (2008, December). Mathematical tools for efficient flash calculations in chemical process design: A review. In CHEMCON-2008, 26-30 December 2008, Punjab University Chandigarh. 2. Lakshete, V., Thakur, H., Shinde, S.N., and Shinde, V. A. (2018). Removal of cadmium from aqueous phase by various natural adsorbents. In SCHEMCON, October 2018, ICT Mumbai.
Research Projects	<p>Title of the project. Phase equilibria studies for multi-component system.</p> <p>Funding agency. All India Council for Technical Educaion (AICTE),India</p> <p>Amount. Rs. 10.5 L</p> <p>Duration. 2006 - 2009</p> <p>Status. Completed</p>
Professional Memberships	<ol style="list-style-type: none"> 1. IChE; LM-35670 2. ISTE; LM-49176
Workshop/ Seminar/ Conference attended	<ol style="list-style-type: none"> 1. Participated in six days online FDP on “ Outcome Based Education” organized by IQA Cell, BVDU, Pune,15-20 March 2021 2. Participated in a workshop on “Modeling and Simulation of Heat Transfer Equipment using Aspen Plus” organized by PVPIT, Budhagaon, 16-20 March 2021 3. Participated in AICTE ATAL Academy sponsored FDP on “Computer Science and Biology ” organized by PVPIT, Budhagaon, 18-22 January 2021 4. Participated in workshop on "Intellectual Property Rights (IPR) Awareness : Patent Drafting and Filing" organized by R and D cell in association with Brainiac IP solutions, Pune, 23-25 July 2020 5. Participated in workshop on “Assessment and Evaluation under Outcome Based Education” organized by NITTTR, Kolkata, 10-14 June 2019. 6. Participated in workshop on “Advances in Separation Techniques” Sinhgad

	<p>College of Engineering, Pune, 24th & 25th January 2019.</p> <ol style="list-style-type: none"> 7. Participated in Two days seminar on “Environment and green technologies for sustainable development” organized by AISSMS College of Engineering , Pune on 18-19 January 2019 8. Participated in workshop on “ Advances in effluent treatment: An industrial perspective” B.V.D.U.C.O.E. Pune, October 2018 9. Participated in Indian Control Conference’16, IIT Hyderabad, January 2016 10. Participated in TEQIP-II sponsored workshop on “Leadership for Teaching Faculty”, B.V.D.U.C.O.E. Pune, August 2014 11. Participated in TEQIP-II sponsored workshop on “Preparation for NBA Accreditation”, B.V.D.U.C.O.E. Pune, September 2013 12. Participated in training programme on “Application of MATLAB”, National Water Academy Pune, March 2013 13. Participated in TEQIP-II sponsored workshop on “Personal effectiveness and career progression”, B.V.D.U.C.O.E. Pune, March 2013
Achievements	<ul style="list-style-type: none"> • Award: Recipient of ‘Career Award for Young Teachers’ by All India Council for Technical education (AICTE) New Delhi, India, in the year 2005-06, with the research grant of Rs. 10.5 lakh. • Completed Ph.D. from CSIR-National Chemical Laboratory, Pune • Stood first in Shivaji University for final year of graduation, B.E.(Chemical),1995 batch
Extra Activities	<ol style="list-style-type: none"> 1. Coordinator for expert lecture organization 2. Faculty in-charge for Heat Transfer Laboratory. 3. NBA coordinator for PG programme, Chemical Engineering 4. Recognized Ph.D. Guide for Chemical Engineering Faculty, Bharati Vidyapeeth (Deemed to be University) 5. Resource person - Delivered expert lecture on “Process Design of Heat Exchangers” at Chemical Engineering Department, KLE Dr. M. S. Sheshgiri College of Engineering and Technology, Visvesvaraya Technological University, Belagavi, Karnataka, 6th March 2020 6. Appointed as External Examiner to conduct the Ph.D viva-voce for the PhD thesis entitled “Studies on development of wine from sugarcane and fruit juice using yeast species”. at Chemical Engineering Department, KLE Dr. M. S. Sheshgiri College of Engineering and Technology, Visvesvaraya Technological University, Belagavi, Karnataka, 6th March 2020 7. Convener- Workshop on “Applications of MATLAB” organized by BVDUCOE Pune and CDAC Pune, 18-19 May 2018

	<p>8. Organizer for National workshop on “ Advances in effluent treatment : an industrial perspective” organized by B.V.D.U.C.O.E. Pune, 5-6 October 2018</p> <p>9. Organizer for social initiative programme “Engagement of People with Science and Technology” for Mamasahab Mohol Madhyamik Vidyalaya, Warje, Pune, 25th April 2018</p> <p>10. Resource person - ‘National workshop on artificial neural network (ANN) and data modeling’ Vishwakarma Institute of Technology (VIT), Pune, March, 2017</p> <p>11. Organizing committee member - National conference: SANVARGAM – 2016</p>
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