

Dr. Samir K Deshmukh

Associate Professor

Chemical Engineering

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Academic Qualifications:

B.Tech. Chemical Engineering, College of Engineering and Technology,
Sant Gadgebaba Amravati University, Amravati. •

M.E. Chemical Engineering, Shivaji University, Kolhapur.

PhD Chemical Technology, Department of Chemical Technology, Sant
Gadgebaba Amravati University, Amravati.

Countries Visited: Thailand, Slovakia, Austria, Poland, Hungary

Research Interests:

Membrane Separation, Waste water treatment, Green Economy, design of mass transfer equipment, Environmental studies, sampling procedures for environmental and food samples, bioremediation, Renewable energy

Positions Held in Past: (Professional (Teaching) Experience)

Administrative Experience:

- Former Professor and Head, Department of Chemical Engineering, Coordinator, Internal Quality Assurance Cell (IQAC), Priyadarshini Institute of Engineering and Technology, Nagpur. (Since August 2016)

- 28/02/2011- 31/07/2014 Associate Professor and Head, Department of Chemical Engineering, Jawaharlal Darda Institute of Engineering & Technology, Yavatmal.
- 26/07/2000- 20/08/2007 Lecturer, Jawaharlal Darda Institute of Engineering & Technology, Yavatmal.
- 01/08/1998- 30/06/2000 Shift in Charge, Indian Oxalate Pvt. Ltd, Lote Parshuram, Chiplun, Dist. Ratnagiri.
- 21/08/1995- 2/07/1998 Lecturer, College of Engineering & Technology, Akola.

Membership of Professional Societies:

- Life Member of The Indian Society for Technical Education (LM21377).

Awards and Honors:

- Listed in Marquis who's who Biographee in 2018
- Franklin Membership of London Journals Press. (Membership ID#965031/UK)
- Appreciation letter for guiding students for participating in DIPEX-2012 for project "Evaluation & performance of pectin extraction from orange peels"
- Appreciation certificate from Journal of Membrane science for highest scientific credit in the year. (212.5X Number of citation)
- Represented University in AVISHKAR –2008 held at Mumbai.
- Best Teacher Award for Session 2006 2007 in Jawaharlal Darda Institute of Engineering and Technology, Yavatmal.
- Best Teacher Award for Session 2009 – 2010 in Jawaharlal Darda Institute of Engineering and Technology, Yavatmal.
- Second Prize in DIPEX-2004 for manufacturing of biodiesel.

Research Projects:

- Coordinator of Enhancing Green Economy in three Asian countries", Co-funded by the Erasmus + programme of the European Union. **Grants of Rs 60 Lakhs.**
- Coordinator of MODROB (AICTE) for Process Control Laboratory in Session 2016–2017. (Rs .17 Lakhs)
- Coordinator of MODROB (AICTE) for Mass Transfer Laboratory in Session 2014–2015. (Rs.10 Lakhs)
- Coordinator of MODROB(AICTE) for Mass Transfer Laboratory in Session 2012–2013. (Rs. 6.68 Lakhs)
- Received Seminar Grant from AICTE of Rs1.15 Lakhs. (Convener)

List of Publications:

Sr. No.	Title of papers	Name of Journal (ISSN No)	National / International	Volume & Issue page no
1	Evaluation and Performance of RO process for brackish water Desalination	International Journal of Advanced research in science and Engineering. 2319-8354	International.	Vol . 7, Issue 6 190-200. (2018)
2	A review on Water Desalination by RO process.	International Journal of Advanced Technology in science and Engineering. 2319-8354	International.	Vol.6, Issue.12 1559-1570. (2017)
3	Desalination of Brackish water by Integrated RO and MD.	International Journal of Advanced Technology in science and Engineering. 2319-8354	International.	Vol.6, Issue.1 580-591. (2017)
4	Integrated RO and MD for Desalination of water	International Journal of Emerging Trends in Engineering and Basic sciences. 2349-6967	International.	Vol.2 Issue 2 2349-6967 (2015)
5	Multi-effect membrane distillation (MEMD) for pesticide water treatment	Membrane Water Treatment DOI: https://doi.org/10.12989/mwt.2017.8.6.529	International.	Vol.8, No.6 (2017) 529-541
6	Economic assessment of multi-effect membrane distillation (MEMD) for water treatment	International Journal of Engineering Research and	International.	Vol.10, No 1(2017) 253- 257.

		Technology. 0974-3154		
7	Experimental Study of multi-effect membrane distillation (MEMD) for treatment of water containing inorganic salts	Water Practice and Technology Doi: 10.2166/wpt.2016.077	International.	Vol 11 No.4 765-773
8	Theoretical and experimental analysis of multi-effect air gap membrane distillation process (ME-AGMD)	Journal of Environmental Chemical Engineering. (Elsevier)	International.	3(2015) 217-2135 http://dx.doi.org/10.1016/j.iece.2015.07.017.
9	A Survey on Organic Farming by Using Biofertilizer – A Review	International Journal of Current Research in Chemistry and Pharmaceutical Sciences. p2348-5213; e 2348-5221	International.	2(02)(2015)
	Pesticide Waste water pollution and Treatment method: Review	Chemical Science Review and letters, 2014 ISSN 2278-6783	International.	3(11), 374-380 IF:4.02
10	Review of membrane distillation process for water purification	Desalination and Water Treatment, 28 Nov 2014	International.	DOI: 10.1080/19443994.2014.985728
11	A method to minimize the global warming and environmental pollution.	Journal of Environmental Science and Engineering.0367-827X	International.	Volume 54 No.2. April 2012. 287-293.
12	Dehydration of aloe vera juice by membrane distillation	Journal of Chemical and Pharmaceutical Sciences	ISSN: 0974-2115	Volume 6 Issue 1 January – March 2013
13	Aloe Vera Juice Concentration by Direct Contact Membrane Distillation	Journal of Pharmacy Research 2011, ISSN: 0974-6943	International	Vol.4.Issue 7. July 2011

14	Evaluation of direct contact membrane distillation for concentration of orange juice	Int. J. Chem. Res.,	International	2011v01(2) (39-48)
15	Performance Enhancement of Membrane Distillation Process of Fruit Juice	J Membra Sci Technol ISSN:2155-9589 JMST	International	Volume 1 • Issue 2 • 1000104
16	“Performance Enhancement of Membrane Distillation Process In Fruit Juice Concentration By Membrane Surface Modification”	International Journal of Chemical and Biological Engineering	International	3:3 2010.
17	Membrane Distillation – A Novel Separation Process	Amravati University Research Journal 0973-9173	National	Vol IV (1) 72-78 June, 2009
18	Biosorption of Dyes from Industrial Waste water	Indian Journal of Environment Protection	National	Vol.27(12) 1109-1116 Dec 2007
19	Adsorption of Dyes from Waste Water using Coconut Shell Adsorbent.	Pollution Research (Enviro Media)	International	Vol.27 (3) :2008
20	“EIA of Agrochemical Industries”	Maharashtra Environment ISSN No. 0971-5274	National	Vol – 1, Issue -4, June 2007
21	“Membrane Distillation Process for pure Water and removal of Arsenic”	Chemical Product Finder	National	June 2007.
18	Adsorption Of Dyes from Industrial Waste Water Using Bio-Adsorbent, Cob Corn.	International Journal of Chemical Science. 0972-768X	International	Vol. 5(5), 2007,2469 - 2479
19	Adsorption Kinetics of Dyes Removal From Aqueous solution by Using Corncob as Adsorbent,	International Journal of Chemical Science. ISSN No. 0972-768X	International	5(1), 2007, 141 – 164
20	Application of Artificial Neural Network For Modeling of Adsorption System - Dyes Removal	International Journal of Pollution Research: ISSN	International	VOL. 26 (3) :2007

	From Aqueous solution by Using Coconut Shell as Adsorbent.	No.0257-8050		
21	“Micro-emulsion A Novel Engineering Tool”	Journal of Pradushan Nirmulan. ISSN No. 0972-8902	National	Vol –3(03), 2006.
22	“Membrane distillation Process for Removal of Arsenic in water”	Nandini Chemical Journal ISSN No.0971-667X	National	June 2006.
23	“Purifying Water Removal of Arsenic”	Chemical World Vol 6 No.2 50-53	National	July – August 2006.
20	Removal of dyes From Aqueous Solution by using Low Cost adsorbent”	Maharashtra Environment.	National	
21	Adsorption Kinetics of Defluoridation Using Low-cost Adsorbents.	Adsorption Science & Technology, United Kingdom,	International	Vol.22 (1) 2004.65 – 73
22	Used Soya oil biodiesel production by transesterification,	Chemical Engineering world.	National	Vol.39 NO.12 December 2004
23	Environment Education – A prerequisite for Engineering Education,	Journal of Engineering Education, ISSN No. 0971-5843	National	VOL. XVII No. 4, April 2004.

Ph.D. Students Registered: 04

- Dr. Bhausaheb Pangarkar on “Design and development Multi-Effect Membrane distillation process for wastewater treatment”
- Dr. Satyjeet Deshmukh on “Evaluation and performance of integrated reverse osmosis and membrane distillation process for desalination”