



Sinhgad Technical Education Society's
Sinhgad College of Engineering
Vadgaon (Budruk) Off. Sinhgad Road, S.No. 44/1,

Dr. Praful G Bansod

Associate Professor

Department of Chemical Engineering
Sinhgad College of Engineering, Vadgaon Pune 411041
Ph.D. Chemical Engineering & Technology
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Academic qualification

Sr. No.	Qualification	Year of passing	Details
01	PhD	2014	Ph. D. Department of Chemical Technology, University Amravati The study on development of casting techniques of membrane and characterization of membrane along with development of application in fermentation process.
02	MTech	2008	M. Tech Department of chemical technology Amravati University First-Distinction M. E. Project: "Solar membrane desalination"
03	BE	2002	B.E (Chemical Engineering), University Amravati

Professional Experience

Organization	Designation	Period		Duration	Nature of Appointment
		From	To		
Jawaharlal Darda Inst. of Engg. & Tech., Yavatmal	Assistant Professor	19/08/2008	18/12/2016	8 Year 4 months	Regular
Sinhgad College of Engineering, Pune	Associate professor	19/12/2016	Till date	4 one year 5 months	Full time

Publication.

1. Removal of Nigrosine by Mgo Nanoparticles Using Madhuca Longifolia Flower Extract Springer. <https://rdcu.be/cxDdk> Environment, Development and Sustainability <https://doi.org/10.1007/s10668-021-01708-2> SCI, Scopus Impact factor-3.219 (Springer) ISSN 1387585x, 15732975.
2. Review on membrane technology for separation of biodiesel, Journal of Material Today proceeding .Vol.47, Issue10, Page2415-2419 ISSN- 2214-7853 (Elsevier) <https://doi.org/10.1016/j.matpr.2021.04.482>.
3. Application of TiO₂ and Nb₂O₅ for ultrasonic degradation of RhodamineB .Journal of Material Today proceeding .2021.05.015 2214-7853. (Elsevier) <https://doi.org/10.1016/j.matpr.2021.05.015>.
4. Ceramic membranes (Al₂O₃/TiO₂) used for separation glycerol from biodiesel using response surface methodology, Journal of Material Today 2214-7853 (Elsevier) <https://doi.org/10.1016/j.matpr.2021.09.399>
5. Review of membrane technology applications in wastewater treatment and biofuels, Journal of Material Today 2214-7853 (Elsevier) <https://doi.org/10.1016/j.matpr.2021.10.219>
6. Biodiesel Production from Nagpur Thermal Power Plant Ash Used as Catalyst, Indian journal of environmental protection 40(9) pp. 921-928, (2020). Indian Journal of Environmental Protection Vol.40 ISUUE 9-Sept2020 (Scopus).0253-7141.
7. Development of Poly(aspartic-co-glutamic acid) Green Antiscalant for Calcium Carbonate Scale Inhibition, Vol. 11, 1–9, 2019 **Advanced Science, Engineering and Medicine** ISSN: 2164-6627 (print); ISSN: 2164-6635 (online)Vol.11 1-9,2019 (Scopus).
8. Enhancement of Separation Efficiency for Nano Filtration Membrane using Water-Soluble Polymer International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-2, July 2019(Scopus).
9. Influence Of Water Soluble Polymer On Nano Filtration Membrane For Separation Of Nickel Ion. International Journal Of Scientific & Technology Research Volume 9, Issue 02, February 2020 ISSN 2277-8616(Scopus).
10. Performance of (PES) Ultra Filtration Membranes Casting at Different Temperature, Drug Invention Today ISSN: 0975-7619 Research Article www.ditonline.info, Drug Invention Today, 2011, 3 (7), 79-81 (Scopus)
11. Protein Separation From Fermentation Broth (E-Coli) Using Polyethersulfone UF And MF Membranes Journal Of Membrane Science And Technology, 2012vol 2, Issue 2.ISSN 2155-9589.
12. Polyacronitrile Ultra Filtration Membrane Used for Separation of Glycerol from Transesterification Process of Biodiesel Production Asian Journal of Nano science and Materials, 2018, 1(3), 157-165.

13. The Optimisation And Production Polyethersulfone Ultrafiltration Flat Sheet Membrane Using Lithium Chloride As Additives International Journal Of Engineering Research And Development ISSN 2278-0678X.
14. The chemically cleaning of UF membrane fouled by oily waste water International Journal of Modern Trends in Engineering and Research ISSN 2393-8161.
15. Application of membrane technology to waste water effluent of textile International Journal for scientific research and development Vol.4, ISSN 06, 2016.ISSN 2321-0613.
16. Pollution free techniques of membrane desalination Journal of environmental science ,toxicology and food technology ,VOL 1, ISSUE 5 ,IOSR-JESTFT) ISSN2319-2402 .VOL.1,Issue 5,2012.
17. Influence of Ethanol Concentration on the Performance of Polyethersulfone Ultrafiltration Membranes International Journal of Chem Tech Research VOL 2, ISSUE 4, PP 1518-1521, ISSN-0974-4290.
18. Characterisation of Solid Suspension in Mechanically Agitated Vessel International Journal of Research in Advent Technology Vol2 Issue 6 June 2014.ISSN 2321-9637.
19. Development of Casting Techniques for PES Ultrafiltration Membrane and Their Effects on Flux and Rejection. International Journal Of Chemical Science Ad Application ISSN 0976-2590VOL 2, ISSUE 2 PP, 156-161.
20. The Production of Biodiesel by Transesterification Process of Sunflower Oils and Ethanol, Using Alkali Catalyst, International Journal Of Engineering Sciences & Research Technology, ISSN: 2277-9655 vol-4 issue 1, Jan 2015 pp229-232.
21. The Optimization and Separation of Nickel Ions Using Bio sorbent Bed of Algae, International Journal Of Engineering Sciences & Research Technology, ISSN: 2277-9655,Vol 3,issue 7,July 2014, PP 751-754
22. Biodiesel Production Through The Use Of Waste Cooking Oil and Its Characterization National Teacher Conference ISBN-9789388441-67-4.
23. Enhanced diesel properties with energy efficient Nano aluminium oxide and nanocobalt oxide particles. Material today proceeding (Elsevier) .<https://authors.elsevier.com/c/1eF6v7tbNaKGeM>

Conferences

1. 1st International Symposium of Reaction Engineering, Catalysis & Sustainable Energy (RECaSE2021) “New Frontiers in Green Chemistry for Sustainable Energy” April 06, 2021 Malaysia.
2. First international conference computational in materials & applied engineering 26-27 June 2021, Bangalore.
3. New frontiers energy and environmental sustainability, 27-28 Feb 2021PDPU, Gandhinagar, Gujarat.
4. International conference on materials and system engineering, 7-8 May 2021,SJB Institute of Technology, Bangalore.

5. CHEMCON-2018, Indian Chemical Engineering Congress.6.The synthesis of heterogeneous catalyst from the waste of thermal power plant from biodiesel production27-30 dec.2018 International NIT Jalandhar.
6. International Conference on Advances in Sustainable Research for Energy and Environmental Management (ASREEM-2021). “Modelling and optimization of fluoride adsorption using ultrasonicated improved electrochemically generated adsorbent August 06 – 08, 2021.Department of Chemical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat (India) on August 6 – 08, 2021.
7. International Conference on Recent Technologies and Advanced Materials for Green Energy and Sustainable Environment (RTAMGESE-Online “Green synthesis, analysis of structural morphology and antibacterial properties of MgO nanoparticles using Mahua flower extracts” National Institute of Technology Tiruchirappalli Department of Chemical Engineering. March 12-13, 2021.
8. International conference on water Desalination, Treatment and Management and Indian Desalination Association Annual Congress-2013(InDAICON 2013). Department of Chemical and Civil Engineering, MNIT, Jaipur during Feb 21-22, 2013.
- 9.Chemcon -2011 M S Ramaiah Institute of Technology, Bangalore-560054 CHEMCON-2011, 64 Annual sessions, December 27-29, 2011.
10. SCHEMCON -2011Emerging of Green Technology towards Sustainable Growth. Heritage Institute of Technology, Kolkata 700107.
11. Technology Advancements in Chemical and Environmental Engineering (TACEE-2012) BITS Pilani India BITS Pilani India March 23-24, 2012.
12. Indo –Italian Conference Green & Clean Environmental (GCE-2008), MIT College of Engineering, Pune MIT Pune March 20-21, 2008.
13. Tomboy Symposium on Desalination &Water Reuse (TSDWR-07) Membrane Desalination –A Solution to Purna Valley Saline Tract of Vidarbha Region. Indian Desalination Association & Board of Research in Nuclear Sciences February 7-9, 2007.
14. 3RD International teacher conference, MIT World piece university Pune.
15. F-EIR Conference-2021, Title Review on Application of Membrane Technology to Control Environmental Pollution Environment concerns and its remediation 18-22 Oct 2021 Chandigarh, India.

Experts committee member

1. Expert for the selection committee for the interview scheduled for January 24, 2020 at the Dr. D.Y. Patil Institute of Engineering, Management, and Research.
2. Subject expert on selection committee on September 23, 2020 at VIT, Pune.
3. Subject expert on selection committee, on23July2021VIT Pune

Patents Published

Sr.No	Details	Published
1	Portable three layer water purification bottle Application No.201721023788 A Publication Date : 21/07/2017	Indian patent
2	Water purification membrane cleaner Application No.201821011963 A Publication Date : 13/04/2018	Indian patent
3	Two layers handy model separation of carbon dioxide from exhaust gases Application No.201921036204 A Publication Date : 11/10/2019	Indian patent
4	Two layer membrane model for separation of carotenoids Application No.201921053124 A Publication Date : 03/01/2020	Indian patent
SEMINAR/STTP ORGANISED		
1	Advance Technology for conservation of energy & sustainable development ISTE Approved STTP	18/04/2016 to 22/04/2018
2	Recent Advances in separation technology SPPU Sponsored Seminar	24 to 25 January 2019
Book Published		
1	Heat transfer ISBN-978-81-933884-9-5	15 September 2017

Sr.No,	FDP/Work shop	Date
1	Novel Separation Techniques In Process Industry AICTE Sponsored Short Term Training Program Organized By Department Of Chemical Engineering, VNIT, Nagpur	23-27 November-2009
2	Advances In Heat Transfer ,Fluid Mechanics And Mass Transfer Approved By ISTE, New Delhi JDIET, Yavatmal (Two Week)	02-11 DEC.2013
3	Advance Tools For Computational Analysis in Engineering And Technology Approved By ISTE New Delhi	24 Dec.2012-4 Jan 2013
4	Two Days' Workshop On Outcome Based Accreditation And On NBA Processes, TGP-College Of Engg, Nagpur	10-11 Dec 2016
5	Recent Trends In Process Intensification Department Of Chemical Engineering, Pawara Rural Engineering College Loni	1 Dec-14 Dec 2017

6	Flexible Manufacturing Systems AICTE –ISTE Approved One Week Short Term Training Program,JDIET,Yavatmal	1-5 June2009
7	Advance Technology Of Conservation Of Energy And Sustainable Development Approved ISTE Delhi,JDIET,Yavatmal	18-22 April2016
8	Introduction To Research Methodology,ISTE Approved Two Week STTP JDIET,Yavatmal	12 Dec-21 DEC2012
9	Recent Trend In Development In Cloud Computing Sponsored By ISTE New Delhi	14- 26 OCT-2015
10	Analytical Tool Of Engineering Research,ISTE New Delhi, Approved JDIET,Yavatmal	16-25 dec.2013
11	CHEMCAD 6.02 Process Simulation Software(Training Programme),Organized By Department Of Chemical Technology,SGBU Amatavati	12-14 May2008
12	CDEEP,IIT Bombay One Day Training Teacher Programme For Science And Engineering Teacher, Organised By SGBU AMRAVATI	8 Aug2009
13	Avishkar-2006	29-30Dec2006
14	Avishkar-2008	16-17 Dec2008
15	Unit Operation And Unit Process &Process Simulation RCF,TROMBAY,CHAMBUR MUMBAI	01/01/2016-09/01/2016
16	Advance Technology Of Conservation Of Energy And Sustainable Development Approved ISTE Delhi,Jdiet,Yavatmal	18-22 April2016
14	Two Days' Workshop On Outcome Based Accreditation And On NBA Processes,TGP-College Of Engineering, Nagpur	10-11 Dec 2016
15	Unit Operation And Unit Process &Process Simulation RCF ,Trombay,Chambur Mumbai	01-09 Jan 2016
16	Recent Trends In Process Intensification Department Of Chemical Engineering,Pawara Rural Engineering College Loni	1Dec-14 dec2017
17	Technology For Sustainable Development Dy. patil College Of Engineering ,Pune	13-14 Dec2019
18	Three Day Online Faculty Development Programme(FDP) On "Municipal Solid Waste Management During COVID-19 Pandemic" Anurag Group Of Institutions, Ghatkesar (M), Medchal (D), Telangana	28-30 May 2020
19	"Introduction To Process Intensification" Dr. Makarand Pimplapure, Managing Director, Maxspeed Technologies PVT. Ltd., Pune	09th June 2020
20	Awareness Webinar On Outcome Based Education And Accreditation, National Board Of Accreditation, Delhi In Association With Directorate Of Technical Education, Maharashtra State And College Of Engineering Pune	27 Nov2020
21	"Education 4.0-Season Ii" 3 Days Online Workshop Iqac, Atharva College Of Engineering Mumbai	28th - 30th May 2020.

22	Development And Impact Of Recent Technologies & Innovations In Chemical Engineering” Mahatma Gandhi Mission’s College Of Engineering & Technology, Mumbai	June 21-25, 2020.
23	Research In Environmental Engineering & A Way Forward Department Of Civil Engineering Of Pimpri Chinchwad College Of Engineering, Pune In Association With Environment Conservation Association,Pune	15th - 20th June, 2020
24	Sustainable Development In Chemical Processes” K. K. Wagh Institute Of Engineering Education & Research, Nasik	21st May 2020 to 23rd May 2020
25	Application Of Industrial Engineering in Manufacturing & Infrastructure” Datta Meghe College Of Engineering, Airoli, Navi Mumbai	18-22nd May, 2020
26	Principal And Application Of Materials And Sciences ,SCOE Pune	21-25July 2020
27	Startup Lifecycle And Patent Registration" Jointly Organised By Ace Innovation Cell, IPR Cell, Ace Institution Innovation Council-Incubation Center ,Tamara College Of Engineering, Mumbai	18th - 19th May 2020.
28	International Webinar On “Process Safety For Design Engineers” Organized By Department Of Chemical Engineering Of GMR Institute Of Technology, Rajam	29th June, 2020.
29	Online Workshop On Sustainable Development In Chemical Processes” K. K. Wagh Institute Of Engineering Education & Research, Nasik	21st May 2020 to 23rd May 2020
30	Recent Advancement In Nanopartical, Films And membranes,Siddaganga Institute Of Technology, Sit, Tumkuru	10 -14 Aug 2020

Declaration

I hereby declare that all the above information furnished by me is true to the best of my knowledge.

Date: 17/02/2022

Dr. Praful G Bansod