



Sinhgad Technical Education Society's

Sinhgad College of Engineering
Vadgaon (Budruk) Off. Sinhgad Road, S.No. 44/1,



Asso. Professor Sachin Rangnath Shirsath

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Significant Achievement

- Summer Research Fellowship sponsored by Indian Academy of Sciences, Bangalore, INSA, New Delhi. Was selected as Fellow for undergoing Summer Training at ICT, Matunga, Mumbai during May June 2010. This fellowship is only for Teachers from all engineering colleges across the country.
- Worked as reviewer for refereed journal "Industrial & Engineering Chemistry Research" Published by American Chemical Society
- Worked as reviewer for Internationally Renowned Journals like Ultrasonics Sonochemistry (Impact factor 3.7), Chemical engineering journal (Impact factor 4.32) Journal of environmental chemical engineering, published by Elsevier Publishing company

Academic Qualification

Degree	Institute Name	University Name	Year of Passing	Percentage	Grade	Qualification Status
BE Chemical	PREC, Loni	Pune university	1993	61.0%	First Class	Completed
ME	TKIET, Warananagar	Shivaji university	2003	71.41%	Distinction	Completed
Ph. D. (Chemical Engineering)	Vishwakarma Institute of Technology, Pune -37	Savitribai Phule Pune university	2015	-	-	Completed

Conference Details

Name	Venue	Date	Level	Category	Type	Sponsored By
INCON - 2004	College of Engineering, Shivajinagar, Pune	19 Dec 2004 to 21 Dec 2004	International	Quality Improvement Programs		ISOI
PICETE 2008	PREC, Loni	20 Dec 2008 to 22 Dec 2008	International	Quality Improvement Programs		University of Pune, IIChe
NCBPEE 2007	STES, Vadgaon, Pune	02 Feb 2007 to 03 Feb 2007	National	Management Development Program		Engineering Education Foundation, Pune
INNOVATION 2009	Sinhgad College of Engineering, Pune	16 Dec 2009 to 17 Dec 2009	National	Quality Improvement Programs		University of Pune
INNOVATION 2012	Maharashtra Academy of Engineering, Alandi, Pune	19 Mar 2012 to 20 Mar 2012	National	Quality Improvement Programs		University of Pune

Workshop Attended

Workshop Topic	Conducted By	Date	Level	Category	Type
Solar Energy Engineering	College of Engineering, Pune	13 Mar 2001 to 13 Mar 2001	Intra-Institutional Seminars	Intra-Institutional Seminars	External
Biotechnology	Chemical Engineering Department PREC, Loni	02 Nov 2007 to 02 Nov 2007	Quality Improvement Programs	Quality Improvement Programs	External
Sono Process Engineering and Reactor for Nanomaterials	Department of Chemical Engineering, NIT, Warangal	23 Feb 2013 to 24 Feb 2013	Research	Research	External
Advanced materials for engineering Applications	Department of Chemical Engineering, SCOE, Pune	10 Dec 2012 to 14 Dec 2012	Quality Improvement Programs	Quality Improvement Programs	Internal

Research Projects

Project name	Description	Status	Budget	Project type
Ultrasound assisted saponification of vegetable oil in presence of Phase Transfer Catalyst	Different vegetables were saponified using aqueous KOH and different PTCs in the presence of ultrasound. The extent of saponification was studied using saponification values as references. Optimization of various parameters such as temperatures, selection of PTCs and quantity of KOH were carried out using almond, sunflower & palm oil under sonication by using different probes.	Completed	240000	Academic Projects

Research Papers and Journals

ISSN/ISBN No	Paper Title	Publish Date	Journal/Conference Name	Level	Paper Status	Authors
ISSN: 1350-4177	Removal of Brilliant Green from wastewater using conventional and ultrasonically prepared poly(acrylic acid) hydrogel loaded with kaolin clay: A comparative study	2012	Ultrasonics Sonochemistry	Refereed Journal	Accepted and Published	Sachin Shirsath

ISSN: 13858947	Intensification of extraction of natural products using ultrasonic irradiations?? A review of current status	2012	Chemical Engineering and Processing	Refereed Journal	Accepted and Published	Sachin Shirsath
ISSN: 0011-9164	Ultrasound assisted preparation of nanoclay Bentonite-FeCo nanocomposite hybrid hydrogel: A potential responsive sorbent for removal of organic pollutant from water	2011	Desalination	Refereed Journal	Accepted and Published	Sachin Shirsath
ISSN: 13858947	An Innovative Method For Effective Macro-mixing Of CO2 During Synthesis Of Nanocalcite Crystal Using Sono-Chemical Carbonization	2008	Chemical Engineering Journal	Refereed Journal	Accepted and Published	Sachin Shirsath
ISSN: 0009-2517	NPV- A Biopesticide	2007	Chemical Engineering World	Non-refereed but recognized and reputable journals and periodicals having ISBN / ISSN	Accepted and Published	Sachin Shirsath
ISSN:0009-2517	Internal Reboiler In Distillation Column	2007	Chemical Engineering World	Indexed Journal	Accepted and Published	Sachin Shirsath
ISSN: 0009-2517	Ultrasonic Waves for Rapid Heat Transfer	2005	Chemical Engineering World	Indexed Journal	Accepted and Published	Sachin Shirsath
ISSN: 0045-6500	Conducting Polymers	2002	Chemical Weekly	Indexed Journal	Accepted and Published	Sachin Shirsath
ISSN: 0045-6500	Treatment of Effluent From Sugar Industry	1998	Chemical Weekly	Indexed Journal	Accepted and Published	Sachin Shirsath
ISSN: 1350-4177	Continuous precipitation of calcium carbonate using sonochemical Reactor	2014	24 (2015)	Refereed Journal	Accepted and Published	Sachin Shirsath
ISSN: 2213-3437	Ultrasonically prepared poly(acrylamide)-kaolin composite hydrogel for removal of crystal violet dye from wastewater	2015	3 (2015)	Refereed Journal	Accepted and Published	Sachin Shirsath

Membership Details

Membership Body	Details	Duration	Level
Indian Society for Technical Education	Life Member	01 Jan 2009 to	National

Books Published

ISBN	Title	Publisher	Publish Year
ISBN 81-8990-480-9	Transport Phenomena	Denett & co. Nagpur	Dec 2011
ISBN 81-7660-148-9	Chemical Engineering Materials	Everest Publishing House, Pune	Dec 2010
ISBN 81-8990-482-8	Mass Transfer	Denett & Co., Nagpur	Dec 2010

Declaration

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

Date :29-Jul-2016

Sachin Shirsath