



Dr. Sunil Jayant Kulkarni

Highlights

1. Member Board of Studies in Chemical Engineering, Mumbai University since September 2019
2. Total Experience= 22 years (20 Years teaching)
3. No. of Books Published - 12
4. Scopus Indexed Papers-8
5. Book Chapter in International Publication- 01
6. Conference papers – International-22, National-02
7. Citations (google scholar):1586, h index-20, i-10 index-55
8. Scopus: Citations 20., Scopus h Index- 1
9. FDP/Workshops Organized =03
10. Reviewed papers for Springer and Elsevier Journals

- **Objectives:**

To contribute proactively in the achievement of organizational goals and objectives while moving ahead on the path of professional growth and continuous self-improvement.

To carry out studies and research based on various chemical engineering topics and by doing the same, to gain knowledge for myself and use the knowledge and research for the students and society.

- **Personal:**

Name: Dr. Kulkarni Sunil Jayant
Email: suniljayantkulkarni@gmail.com,
Date of Birth: 22nd January, 1977.
Nationality: Indian
Marital status: Married
Address: A-201, Amarjyot CHS, Plot no 33, Sector 9, Khanda Colony, New Panvel
(W) Dist. Raigad Pin 410206
Contact No.: 9664213953, 9833497367

- **Education:**

1. Ph.D(chemical Tech): Sant Gadge Baba Amravati University, Amravati, May 2017.
2. M.E(Chemical): Shivaji University, Tatyasaheb Kore Institute of Engineering and Technology, Warananagar, 2006, First class,(69.1%).
3. B.E (Chemical): Shivaji University, Tatyasaheb Kore Institute of Engineering and Technology, Warananagar, 1998, First class,(64.08%).

- **Experience: Teaching and Research – 20 years, Consultancy:01 year**

- Presently working as an Associate Professor in Chemical Engineering Department at **Gharda Institute of Technology**, Lavel, Khed, Maharashtra since 1 July 2019.

- **Past Experience:**

1. **Datta Meghe College of Engineering, Airoli:** Worked an Assistant Professor in Chemical Engineering. Joined as lecturer on 6 July 2006 to 30 June 2019[13 yrs]. *Details:* Subjects taught: Process Calculation, Chemical Engg. Economics, Project Engg., Management, Environmental Engineering, Mass Transfer Operations.

Subjects taught in last three years: Mass Transfer Operations I and Mass Transfer Operations II, Process calculation, Process Engineering.

Roles and Responsibilities:

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Institute

1. Worked as CAS monitor for three academic semesters in May 2014, June 2015 and Dec. 2015. Also worked as member of unfair means committees.
2. Involved in ISO activity and involved in the task of internal audit in ISO 9001:2008 in Oct.2013
3. Worked as a member on various committees in annual social function functions and convocation functions.
4. Presently member of Students Grievances committee.

Department

1. Co-coordinator of IChE event N.R. Kamath Quiz -2019 at Chemical Engineering Department of DMCE
2. Co-coordinator of IChE event N.R. Kamath Quiz -2017 at Chemical Engineering Department of DMCE.
3. Project coordinator for final year projects in chemical engineering Department.
4. Class teacher during 2006-2009.
5. Involved as organizing committee member in various events organized by department such as 'Outstanding young chemical engineering awards (OYCE)' in 2012 and 2016.
6. Worked as project coordinator for final year projects at chemical engineering department, Datta Meghe College of Engineering Airoli and KES N.N. Patil Engineering College, Pen, Raigad
7. Active member of a core team for conduction of workshop, "Challenges for chemical engineering faculty to meet the needs of the industries", (CCEFI-13) , at Datta Meghe College of Engineering, Airoli, Navi Mumbai, 2013.

2. Tawade Pollutech (Environmental Consultancy): Executive, Technical, 14 Sept.2005 to 5 July 2006. *Details:* Air & Water Quality Monitoring and Treatment, EIA studies, Water Quality analysis.

3. K.E.S.N.N Patil Engg.College.Pen(Raigad):Lecturer in Chemical, 2 Aug.1999 - 14 June 2005, *Details:* Subjects taught: Plant Utilities, Process Calculations, Fluid flow Operations, Biochemical Engineering, Environmental Engineering.

4. Econ Pollution Control Pvt. Ltd- July 1 , 1998 to Aug.1, 1999- Project Engineer, Water,

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Air Quality, monitoring, analysis, EIA, Solid waste management.

- Projects/Research Work:

1. **Ph.D:** Studies on Adsorption of Phenol and Cadmium on Various Adsorbents in Fixed Bed Adsorber with Optimization of the Factors Affecting the Adsorption
2. **M.E:** Adsorption of Phenolic Compounds on different Adsorbents.
3. **B.E.:** Removal of Organic matter from distillery effluent by using bagasse flyash as low cost adsorbent.

- Number of under graduate projects guided: 40

• Number of post graduate projects guided: 01

- Book Publications: 12

Sr · N o.	Title	Publisher. year of publication	Author	ISBN
1	Advances in Biotechnology Compilation of Reviews	Galore Knowledge Publication Pvt. Ltd. 2017	Dr. Sunil J Kulkarni	978-81-934178-2-9
2	Chemical Engineering Some Selected Reviews	Galore Knowledge Publication Pvt. Ltd.2017	Dr. Sunil J Kulkarni	978-81- 934178-3-6
3	Recovery of Heat and Materials- Reviews	Galore Knowledge Publication Pvt. Ltd.2017	Dr. Sunil J Kulkarni	978-81- 934178-4-3
4	Some important reviews on some specific wastewater treatment and recovery operations	Galore Knowledge Publication Pvt. Ltd.2017	Dr. Sunil J Kulkarni	978-81- 934178-5-0
5	Solid Waste Treatments- Recycle and Reuse	OmniScriptum Publishing Group, Beau Bassin	Dr. Sunil J Kulkarni	978-613-4-94230-0
6	An Insight into Energy Efficient Practices and Technologies	OmniScriptum Publishing Group, Beau Bassin	Dr. Sunil J Kulkarni	978-613-4- 94263-8
7	Research and Studies on Biological Waste Treatment Methods	OmniScriptum Publishing Group, Beau Bassin	Dr. Sunil J Kulkarni	978-613- 732945-0

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8	Advanced Methods for Effluent Treatments	OmniScriptum Publishing Group, Beau Bassin	Dr. Sunil J Kulkarni	978-613-33988-6.
9	Adsorption for Wastewater Treatment - Some Experimental Studies	OmniScriptum Publishing Group, Beau Bassin	Dr. Sunil J Kulkarni	978-613-33988-6
10	Lets Try Some Removal, Recovery and Synthesis	Galore Knowledge Publication Pvt. Ltd.2017	Dr. Sunil J Kulkarni	978-81-934178-7-4
11	Vermicomposting- A Boon for Solid Waste Treatment	Galore Knowledge Publication Pvt. Ltd.2017	Dr. Sunil J. Kulkarni, Mrs. Meera T. Sose, Dr. R. W. Gaikwad	978-81-934178-8-1
12	Petroleum And Refining Sector: Towards Cost Effective And Sustainable Practices	Literature Lights Publication 2019	Dr. Sunil J. Kulkarni-	ISBN: 978-81-943979-0-8

PUBLICATIONS IN JOURNALS (INTERNATIONAL)

- **Scopus Indexed: 08 No.S**
- **Citations (google scholar):1586, h index-20,i-10 index-55**
- **Scopus: Citations 20., Scopus h Index- 1**

LIST OF PUBLICATIONS

1. Sunil Jayant Kulkarni, COVID-19: Socioeconomic, Environmental, Psychological Effects, and Prediction Models, Letters of Applied Nanobioscience, Volume 9, Issue 3, 2020, 1313 – 1319.
2. Sunil Kulkarni, Synthesis, Characterization and Performance of Low-Cost Unconventional Adsorbents Derived from Waste Materials, Biointerface Res. In Applied Chemistry, Vol.10, No.6, pp7243-7256.2020(SCOPUS).
3. Sunil Jayant Kulkarni, Biomedical waste scenario in India – regulations, initiatives and awareness, Biomedical Engineering International, Volume 2, Issue 2, Pages 0086-0092 2020
4. Sunil J Kulkarni, Ajaygiri K. Goswami, Transesterification for biodiesel-a review, International Journal of Advanced Trends in Computer Science and Engineering, 8(1.6), 2019, 46-50(SCOPUS).
5. SJ Kulkarni. Chemical Engineering - an Insight into the Fundamentals and Interdisciplinary Approach International Journal of Recent Technology and Engineering 8 (1), 1322-1326(SCOPUS)

6. Sunil J Kulkarni , Mercury Removal From Wastewater by Physico-Chemical, Biological and Combined Methods: A Review, Pollution Research, 2019 Issue no. 38(3).) 740-745(**SCOPUS**)
7. Sunil J Kulkarni, Investigation on Isotherms, Kinetics and Break through Curve for Sorptive Removal of Chromium from Wastewater by Activated Sludge, Asian Journal of Chemistry. Volume 31 (2019) (**SCOPUS**).
8. Sunil J. Kulkarni, Ajaygiri K. Goswami, Isotherm, Kinetics and Trickling Flow Studies for Removal of Chromium from Synthetic Effluent by using Mixed Fruit Peels (MFP), International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-6S, April 2019, 430-432.(**Scopus**)
9. An Insight Into Selected Literature On Disasters, Hazards And Safety In Laboratories And Industries. International Journal of Scientific & Technology Research.2019, Vol.8, issue 9, 1395-1399.(**Scopus**).
10. Sunil J.Kulkarni, Ravi W.Tapre, Suhas V. Patil, Mukesh B. Sawarkar ,“Adsorption of Phenol from Wastewater in Fluidized Bed Using Coconut Shell Activated Carbon” Procedia Engineering. Elsevier publications, Vol.3, No.1, Feb.2013,231-236. (**SCOPUS**)
11. Deshmukh, Akash and Kulkarni, Sunil and Shimpi, Kajal and Yadav, Jyoti, A Review on Studies and Investigations on Process Intensification by Reactive Distillation (April 5, 2019). Available at SSRN: <https://ssrn.com/abstract=3366807> or <http://dx.doi.org/10.2139/ssrn.3366807>
12. Kulkarni, Sunil and Goswami, Ajaygiri, Effect of Excess Fertilizers and Nutrients: A Review on Impact on Plants and Human Population (February 23, 2019). Available at SSRN: <https://ssrn.com/abstract=3358171> or <http://dx.doi.org/10.2139/ssrn.3358171>.
13. Kulkarni Sunil J. , Kaware Jayant P. ,“Batch and Column Studies for Phenol Removal from Wastewater Using Low Cost Adsorbent” Int. J. Res. Chem. Environ.,IJRCE, Vol. 4 Issue 3, July 2014,127-132
14. S.J. Kulkarni, Dr.J.P. Kaware ,“Removal of Cadmium from Wastewater by Groundnut Shell Adsorbent- Batch and Column Studies” International Journal of Chemical Engineering Research.,IJChER,Volume 6, Number 1 (july 2014), pp.27-37.
15. Meera T. Sose and Sunil J. Kulkarni, Aerobic Composting: Studies on Variation in Parameters, International Journal of Chemical Engineering Research. ISSN 0975-6442 Volume 9, Number 1 (2017), pp. 1-6
16. Sunil J. Kulkarni, Summary of Research and Studies on Heat Transfer Enhancements by Nanofluids , International Journal of Engineering Research and General Science Volume 5, Issue 2, March-April, 2017 ,175-181
17. Dr. Sunil Jayant Kulkarni , Low Cost Agricultural Waste Adsorbent for COD Removal: Preliminary Investigation Dr. Sunil Jayant Kulkarni, International Journal of Scientific Research in Chemistry (IJSRCH) | Online ISSN: 2456-8457 © 2017 IJSRCH | Volume 2 | Issue 1 ,13-15
18. Dr.Sunil J. Kulkarni, Abhishek T. Sose, Meera T.Sose, “Characterization of Sludge and Design of Activated Sludge Process for Sewage Treatment”, IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT) e-ISSN: 2319-2402,p- ISSN: 2319-2399.Volume 11, Issue 9 Ver. I (September. 2017), PP 20-25.
19. Dr. Sunil J. Kulkarni, An Investigation on Organic Matter Removal from Wastewater by Local Groundnut

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- Shell Derived Adsorbent from Salgar Budruk-Kinetic, Isotherm and Parameter Studies, International Journal of Advanced Research in Chemical Science (IJARCS) Volume 4, Issue 12, 2017, PP 41-47
20. Sunil Jayant Kulkarni, Plastic Bags- Review on Problems and Remedies, International Journal of Advanced Research in Chemical Science (IJARCS) Volume 5, Issue 1, 2017, PP 1-3
21. Sunil J. Kulkarni “A Review On Petroleum Refining And Petrochemical Processes With Special Emphasis On Catalysts And Flue Gas Treatment Technology”, International Journal of Petroleum and Petrochemical Engineering (IJPPE) Volume 2, Issue 1, 2016, PP 1-5.
22. Sunil Jayant Kulkarni, “ An Insight into Oil and Grease Removal from Wastewater from Petroleum and Refinery Industries”, International Journal of Petroleum and Petrochemical Engineering (IJPPE) Volume 2, Issue 1, 2016, PP 12-15.
23. Sunil Jayant Kulkarni , “ Role of Adsorption in Petroleum Industries and Refineries”, International Journal of Petroleum and Petrochemical Engineering (IJPPE) Volume 2, Issue 1, 2016, PP 1-4.
24. Sunil Jayant Kulkarni ,Jayant Kaware, “Modeling For Packed Bed Phenol Removal By Low Cost Adsorbent Prepared From Rice Husk”, Sci. Revs. Chem. Commun. :, Vol. 6, No. ;1, 2016, 1-11.
25. Sunil J. Kulkarni , “ An Insight into Studies and Research on Corrosion in Petroleum Industries and Refineries”, International Journal of Petroleum and Petrochemical Engineering (IJPPE) Volume 2, Issue 2, 2016, PP 1-3
26. Sunil Jayant Kulkarni, Food Waste Utilization: An Insight into Research and Studies, International Journal of Ethics in Engineering & Management Education Website: www.ijeee.in (ISSN: 2348-4748, Volume 3, Issue 8, August 2016), 1-4.
27. Sunil Jayant Kulkarni, An Insight into Studies and Research on Wastewater and Sludge Treatment in Petroleum Industries and Refineries with Emphasis on Oil Separation, International Journal of Petroleum and Petrochemical Engineering (IJPPE) Volume 2, Issue 2, 2016, PP 4-7
28. Sunil Jayant Kulkarni, Biological Treatment of Petroleum Wastewater: A Review on Research and Studies, International Journal of Petroleum and Petrochemical Engineering (IJPPE) Volume 2, Issue 2, 2016, PP 17-21
29. Sunil Jayant Kulkarni, An Insight into Removal and Recovery of SO₂ and CO₂ in Petroleum Industries with Emphasis on Absorption, International Journal of Petroleum and Petrochemical Engineering (IJPPE) Volume 2, Issue 3, 2016, PP 1-3
30. Sunil Jayant Kulkarni, Non-Isothermal Processes and Reactions- Summery on Research and Investigations, International Journal of Petroleum and Petrochemical Engineering (IJPPE) Volume 2, Issue 3, 2016, PP 1-4
31. Sunil J. Kulkarni, Jayant P. Kaware, “Analysis of Packed Bed Adsorption Column with Low Cost Adsorbent for Cadmium Removal”, Int. J. of Thermal & Environmental Engineering ,Volume 9, No. 1 (2015) 17-24.
32. Sunil J. Kulkarni, Jayant P. Kaware, “Packed Bed Adsorption Column Modeling for Cadmium Removal”, Int. J. of Thermal & Environmental Engineering, Volume 9, No. 2 (2015) 75-82.
33. Sunil J. Kulkarni, Jayant P. Kaware, “Phenol removal from effluent by rice husk carbon:batch and column studies”, Int. J. Environmental Engineering, Vol. 7, No. 2, 2015, 131-141.
34. Sunil J. Kulkarni; Jayant P. Kaware, “Cadmium Removal by Adsorbent Prepared from Local Agricultural

- Waste of Rice Processing”, International Journal of Scientific Research in Chemical Engineering, 2(1), pp. 014-22, 2015.
35. Sunil Jayant Kulkarni, “A Review on Research and Advancements in Extractive Distillation”, International Journal of Research (IJR) Vol-2, Issue-1 ,pp.59-62, January 2015.
 36. S. J. Kulkarni and J. P. Kaware, ” Packed Bed Modeling for Adsorptive Removal of Phenol”,Journal of Chemical, Biological and Physical Sciences , JCBPS; Section A; Feb. 2015 – Apr. 2015, Vol. 5, No. 2; 1146-1151.
 37. Sunil J. Kulkarni, Jayant P. Kaware, “Desorption studies for low cost adsorbents”, International Journal of Chemical Studies 2015; 3(1): 35-37.
 38. Tanmay Uttam Gound, Veena Ramachandran, Sunil Kulkarni ,“Various Methods to Remove of SO₂ Emission-A Review”, International Journal of Ethics in Engineering and Management Education, IJEEE, Vol.1, Issue i, January 2014, 1-6
 39. Sunil J. Kulkarni, Sonali R. Dhokpande, Dr. Jayant P. Kaware “A Review on Isotherms and Kinetics of Heavy Metal Removal”, International Journal of Ethics in Engineering and Management Education, IJEEE, Vol.1, Issue 2, February 2014, 1-4.
 40. Veena Ramachandran, Tanmay Uttam Gound, Sunil Kulkarni, “ Biofiltration for Waste Gas Removal- A Review”, International Journal of Ethics in Engineering and Management Education, IJEEE, Vol.1, Issue 2, February 2014, 8-13.
 41. Sunil J.Kulkarni¹, Dr. Jayant P. Kaware “,Batch Adsorption Process for Phenol Removal using Leaf Litter: Solute Uptake, Kinetic and Isotherm Studies”, International Journal of Environmental Engineering Research, IJEER, Volume 3, Issue 2,july 2014, 23-28
 42. Sunil J. Kulkarni, “Removal of Phenol From Effluent In Fixed Bed: A Review”, International Journal of Engineering Research and General Science., IJERGS, Vol.2, Issue 5, August 2014, 35-39
 43. Pallavi Amale Sunil Kulkarni Kavita Kulkarni, “A Review on Research for Industrial Wastewater Treatment with Special Emphasis on Distillery Effluent “,International Journal of Ethics in Engineering & Management Education, Volume 1, Issue 9, September 2014), 1-4..
 44. S. J. Kulkarni and J. P. Kaware, “Kinetics of Phenol Uptake from Wastewater by Adsorption in a Fixed Bed”, Journal of Chemical, Biological and Physical Sciences, Aug 2014 – Oct. 2014, Vol. 4, No. 4; 3116-3123.
 45. S. J. Kulkarni and J. P. Kaware, “Groundnut Shell Adsorbent in Packed Bed for Cadmium Removal- Modeling for Breakthrough Curve”, SRG International Journal of Chemical Engineering Research (SSRG-IJCER) – volume 2 Issue1 May to June 2014, 1-6.
 46. Kulkarni Sunil J., Patil Suhas V. Tapre Ravi W., Goswami Ajaygiri K. ,“Adsorption Of Chromium From Wastewater On Different Adsorbents” International Journal on Research in Chemistry and Environment, Jan.2013,
 47. Sunil J. Kulkarni, Dr.Jayant P. Kaware, “Review on Research for Phenol Removal from wastewater “International Journal on scientific and research publications, Vol.3, No.4, April 2013, 1-5.
 48. Sunil J. Kulkarni, Sonali R. Dhokpande, Dr. Jayant P. Kaware, “Studies On Flyash As An Adsorbent For Removal Of Various Pollutants From Wastewater” International Journal of Engineering Research &

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Technology (IJERT), Vol. 2 Issue 5, May – 2013, pp.1190-1195.

49. Tapre Ravi W., Kulkarni Sunil J., Patil Suhas V. ,“Fluidized Bed Activated Carbon Adsorption for Removal of Phenol from Wastewater” International Journal on Research in Chemistry and Environment, Oct.2012, vol 2 issue 4, 101-106..
50. Sunil J. Kulkarni, Suhas V Patil, and Y. P. Bhalerao, “Flyash Adsorption Studies for Organic Matter Removal Accompanying Increase in Dissolved Oxygen” International Journal of Chemical Engineering Applications, Dec.2011, vol.2,no.6.,434-438
51. Y. P. Bhalerao, S. V. Patil, P. V. Vijay Babu, and S. J. Kulkarni, “Energy Retrofit Studies in Diethyl Thiophosphoryl Chloride (DETC) Plant” International Journal of Chemical Engineering Applications, Dec.2011 vol.2,no.6, 439-445.

Book Chapter

- Book Chapter- Studies, Efforts and Investigations on Various Aspects of Solid Waste Management with Emphasis on Developing Countries in Sustainability Concept In Developing Countries. DOI: [10.5772/intechopen.91942](https://doi.org/10.5772/intechopen.91942)

• List of paper presented in conferences(International):19, National:2

Sr. No.	Date,Year	Paper Name	Venue	Authors
1.	18th January 2020	International Conference on Recycling and Waste Management (ICRWM-20), Hyderabad, India	Hyderabad, India	Sunil Jayant Kulkarni, A K Goswami
2	15, 16 February 2020	Selection, Execution, Evaluation and Monitoring of Student Project at Undergraduate Level in Chemical Engineering Int.Conf. on Science, Tech and Management	Guru Govind Singh Polytechnic, Nashik	Sunil Jayant Kulkarni, A K Goswami
3	13 February 2020	An Insight into Investigations on Intensification of Adsorbent Beds. Int Conf on Physical, chemical and biological sciences	RSTM Nagpur University	Sunil Jayant Kulkarni, A K Goswami

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4	8-9 April 2019	A Review On Studies And Investigations On Process Intensification By Reactive Distillation	2nd International Conference on Advances in Science & Technology (ICAST-2019) K. J. Somaiya Institute of Engineering & Information Technology, University of Mumbai, Maharashtra, India	Aakash Deshmukh, Kajal Shimpi, Jyoti Koli, Sunil Kulkarni
5	March 17, 2019	Isotherm, kinetics and trickling flow studies for removal of chromium from synthetic effluent by using mixed fruit peels (MFP)	International Conference On Advent Trends in Engineering Science & Management (ICATESM-2019)	Kulkarni, Sunil and Goswami, Ajaygiri
6	February 26 - 28, 2019	Effect of Excess Fertilizers and Nutrients: A Review on Impact on Plants and Human Population	SUSCOM-2019 February 26 - 28, 2019 Amity University Rajasthan, Jaipur, India	Kulkarni, Sunil and Goswami, Ajaygiri
7	17th Feb 2019,	An Insight to Soybean Denaturing Process	Asian Conference on Recent Advances in Science, Engineering and Technology (ACRASSET)Pune	Sanket. S. Uppalwar, Vishakha. R. Khandke, Shubham Mhatre, Dr. Sunil Kulkarni,
8	19 November 2017	Continuous Activated Sludge Treatment For Nickel Removal From Effluent: Investigation On Affecting Factors	12 th conf. on Recent Trends on Enng., Science and Management, Inst of Engg and Tell. O.U.Campus, Hyderabad Nov.2017	Sonali R. Dhokpande, Dr. Sunil J. Kulkarni, Dr. Jayant P. Kaware
9	29-30 march 2016	Vermicomposting for Solid Waste Treatment	International Conference on global technology initiatives, Rizvi College of Engg., Mumbai	M.T.Sose, S.J. Kulkarni, Dr.T.W.Charpe, Dr.R.W.Gaikwad
10	29 march 2013	Studies on Potential of Activated Carbon for Removal of Various Pollutants From Wastewater	International Conference on global technology initiatives, Rizvi College of Engg., Mumbai	S.j.Kulkarni,S.R.Dhokpande, R.W.Tapre, N.L. Shinde
11	1 march 2013	Batch and Column Studies For Organic Matter Removal From Wastewater By Adsorption	International Conference, Biopack 2013, SIES, Nerul, 1 march 2013	S.J.Kulkarni, S.M. Deshmukh, P.M. Ingole, S.R.Dhokpande

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12	6-8 Dec. 2012	Adsorption of Phenol from Wastewater in Fluidized Bed Using Coconut Shell Activated Carbon	Institute of Technology, Nirma University,(NUICONE2012) 6-8 Dec. 2012	Sunil Kulkarni, R. W. Tapre, Suhas V. Patil, Mukesh Sawarkar
13	June30, 2012	Domestic Wastewater Treatment For Colour And Organic Matter Removal By Adsorption	Sardar Patel COE, Andheri, Mumbai,SPICON 2012	Sunil Kulkarni,Yashawant P. Bhalerao,Suhas V. Patil Shubhangi S. Kadu
14	June30, 2012	Heat Integration Study Of A Phosphorus Trichloride (Pcl3) Plant	Sardar Patel COE, Andheri, Mumbai,SPICON 2012	Sunil Kulkarni,Yashawant P. Bhalerao, SuhasV.Patil
15	8-10., December 2011	Experimental Studies of Bagasse Flyash Adsorption on Chemical Oxygen Demand and Dissolved Oxygen of the Distillery Waste	Nirma University,(NUICONE2011). Ahmedabad	Sunil J.Kulkarni, Ravi W.Tapre, Suhas V. Patilc, Mukesh B. Sawarkar
16	8-10., December 2011	Studies on Adsorption for Phenol Removal by using Activated Carbon in Batch and Fluidized Bed Adsorption	Nirma University,(NUICONE2011). Ahmedabad	Sunil J. Kulkarni, SuhasV.Patil,Ravi W. Tapre, and Shubhangi S. Kadu
17	8-10., December 2011	Kinetics of Esterification of P-tert.butylcyclohexanol with Acetic acid over Ion Exchange Resin Catalyst	Nirma University,(NUICONE2011). Ahmedabad	Shubhangi S. Kadu, Sunil J. Kulkarni and Ravi W. Tapre
18	24-26 March 2011	Mathematical modelling of fluidized bed Adsorption column for Phenol removal	Kalasalingam Univ.KrishnankoilTamilnadu(INCOTTEE 2011)	R.W.Tapre, S.V. Patil , S. J.Kulkarni, R.V.Nagotkar, Y.P.Bhalerao
19	24-26 March 2011.	Application of pinch Technology to grass root design for Heat Exchanger Network	Kalasalingam Univ.Krishnankoil Tamilnadu(INCOTTEE 2011)	Y.P.Bhalerao, P.V.VijayBabu, S.V. Patil, R.V.Nagotkar ,S.J.Kulkarni
20	24-26 March 2011.	Removal of phenol from waste water using fluidized bed adsorption column containing activated Carbon	KalasalingamUniv.KrishnankoilTamilnadu (INCOTTEE 2011)	Ravi W.Tapre, Sunil J.Kulkarni,SuhasV.Patil,S.C. Nawle
21	24-26 March 2011.	Comparison of Batch adsorption process for Phenol removal using Various Adsorbents	Kalasalingam Univ.Krishnankoil Tamilnadu (INCOTTEE 2011)	Sunil J.Kulkarni, Suhas V. Patil , Ravi W.Tapre,Y.P.Bhalerao
22	24-26 March 2011.	Energy retrofit study of a DiEthyl Thiophosphoryl Chloride (DETC)	Kalasalingam Univ. Krishnankoil Tamilnadu(INCOTTEE 2011)	Y.P.Bhalerao, P.V.VijayBabu, S.V. Patil, S.J.Kulkarni ,R.W.Tapre
List of paper presented in conferences (National)				
1	AUG 2010	Heat Transfer and Pressure Drop Studies through Circular tube for Laminar Swirl Flow Fitted withScrew Tape insert	Datta Meghe College of Engg., Airoli Navi Mumbai,(NCRTE 2010), August 2010.	S.V.Patil, P. Vijay babu, S.J. Kulkarni, R.W. Tapre

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2	AUG 2010	Heat Transfer and Pressure Drop Studies of Turbulent Flow in a Tube Fitted with Screw Tape insert	Datta Meghe College of Engg., Airoli Navi Mumbai,(NCRTME 2010), August 2010.	S.V.Patil, P. Vijay babu, S.J. Kulkarni, R.W. Tapre
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• List of Workshops and Training Programs Organized

- Coordinator of A three days FDP on “Chemical Engineering- Towards Sustainability and Process Intensification” 15th June to 17th June, 2020 (CETSPI-2020) Organised by Department of Chemical Engineering, Gharda Foundation's Gharda Institute of Technology, Lavel, Tal. Khed, Dist Ratnagiri
- Convener of One days’ Online seminar, “Opportunities for Chemical Engineering in Industries and Research (OCEIR2020)” 04th July 2020 Organised by Department of Chemical Engineering, Gharda Foundation's Gharda Institute of Technology, Lavel, Tal. Khed, Dist Ratnagiri
- Convener of Orientation meeting for two subjects, Energy system design and Project Engineering Management held on 11 January 2020 at GIT, Lavel.

• List of Workshops and Training Programs attended

1. Attended two weeks workshop on “Mastering MATLAB”, at Datta Meghe College of Engg., Airoli Navi Mumbai in 1-11 January 2008
2. Attended two weeks training program on “Accreditation and ISO certification of Technical Institute” at Datta Meghe College of Engg., Airoli Navi Mumbai in 13 July- 24 July 2009
3. Attended one-week national workshop on “Advances in Chemical Engineering- Recent Trends” at Dr. Babasaheb Ambedkar Technological University, Lonere, 26-30 March 2012.
4. Attended one-week workshop on “Challenges for chemical engineering faculty to meet the needs of the industries” (CCEFI-13) at Datta Meghe College of Engineering, Airoli in 6-10 May 2013
5. Attended two-week workshop on “Low Cost Automation in Industries” from 21 April 2014 to 3 May 2014 at College of Engg. and Tech. Akola
6. “Innovation, Entrepreneurship and its Relevance in Industry 4.0 Practices in the Post Covid-19 Situation. Terna Engineering College, May 25 – 29, 2020
7. “Engineering Education & the Industry: A Post COVID-19 Perspective” Rajiv Gandhi Inst of Tech. Mumbai. June 1 – 5, 2020

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8. "Emerging research areas in Engg.". IE and SRM Institute, June 5- 9, 2020
9. "Development and Impact of Recent Technologies & Innovations in Chemical Engineering" MGM CET. Navi Mumbai. June 21-25, 2020

• Other Academic Activities

• Guest Lectures

1. Delivered lecture via video conferencing on Process Calculation at Gharda Institute of Technology, Lavel, Chiplun, 19, oct. 2012.
2. Delivered lecture on Material Science and Technology at Gharda Institute of Technology, Lavel, Chiplun, 2011
3. Delivered lecture on Advance Distillation Techniques at Government Polytechnic, Pen, 2013
4. Delivered lecture on Process Engineering at Bharati Vidyapeeth College of Engg. on 8 and 10 oct.2015
5. Delivered lecture on "Process Intensification" at Tatyasagheb Kore institute of Engineering and Technology, Warananagar on 20 Jan 2018
6. Delivered lecture on Project Management-Ethical Aspects on 20 feb.2019 at TKIET Warananagar
7. Delivered on Mass Transfer for GATE Examination at University Institute of Chemical Technology, Jalgaon on 3 Nov.2017.
8. Delivered guest lecture at BVCOE Kharghar.20 Jan.2020 on Process Intensification and sustainability.
9. Delivered guest lecture on "Use of Adsorption Techniques in Wastewater Treatment" on 23rd Jan 2020 for the subject Industrial Waste for TE students of Civil Department of GIT.

• Other activities

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1. Worked as scrutiny committee member for a State Level Paper Presentation competition held at Government Polytechnic, Pen in 2015.
 2. Examiner for M.Tech (Chemical) dissertation at University Department of Chemical Technology, North Maharashtra University, Jalgaon, Maharashtra, 2014 and 2017.
 3. Examiner for M.Tech (Chemical) dissertation at Shivaji University Kolhapur, Maharashtra, Jan. 2018
 4. ME Approved teacher in Mumbai University

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- **Professional Membership:** ISTE –LM 55782, International Association of Engineers (IAENG) (Member No: 183777)

- **Research Interests:**

Selective Adsorption of Organic and Inorganic matter on new Adsorbents.

Heat Transfer Augmentation

CURRICULUM VITAE

Other activities & responsibilities: Reviewed papers for

- 1. Arabian journal of science and engineering(springer)
 - 2. Egyptian Journal of Aquatic Research(Elseveir)
 - 3. Journal of King Saud University -(Elseveir)
 - 4. Sustainable Water Resources Management(Springer nature)
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- Reviewer/editorial board member of 25 international journals/publications. Reviewed more than 20 international papers. Also organizing committee member of 2 International conferences.
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- Nominated by VC Mumbai university as board of studies member in chemical engineering in September 2019

Place:

Date

(Dr.Sunil Jayant Kulkarni)