

Dr Sunil Jayant Kulkarni**Highlights**

1. Member Board of Studies in Chemical Engineering, Mumbai University since September 2019
2. Total Experience= 24 years (23 Years teaching)
3. No. of Books Published - 09
4. Scopus Indexed Papers- 15
5. Scopus indexed Book Chapters in International Publication-09
6. Conference papers – International-26, National-02
7. FDP/Workshops Organized =03
8. Conference Organized-1 national
9. Reviewed papers for Springer and Elsevier Journals
10. Google scholar-

| | | |
|-----------|------|------|
| Citations | 2335 | 1139 |
| h-index | 23 | 15 |
| i10-index | 67 | 27 |

- 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 – 23 years, Consultancy: 01 years

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

- Board of Studies member, Chemical Engineering, Mumbai University.

- Past Experience:

1. **Datta Meghe College of Engineering, Airoli:** Worked as 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:

Institute

1. Worked as CAS monitor for three academic semesters in May 2014, June 2015 and Dec. 2015. Also worked as member of unfair

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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 IICHe event N.R. Kamath Quiz -2019 at Chemical Engineering Department of DMCE
 2. Co-coordinator of IICHe 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, 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 lowcost adsorbent.

Book Publications: 08

| Sr. No. | Title | Publisher. year of publication | Author | ISBN |
|---------|---|--|----------------------|-------------------------|
| 1 | Solid Waste Treatments- Recycle and Reuse | OmniScriptum Publishing Group, Beau Bassin | Dr. Sunil JKulkarni | 978-613-4-94230-0 |
| 2 | An Insight into Energy Efficient Practices and Technologies | OmniScriptum Publishing Group, Beau Bassin | Dr. Sunil JKulkarni | 978-613-4-94263-8 |
| 3 | Research and Studies on Biological Waste Treatment Methods | OmniScriptum Publishing Group, Beau Bassin | Dr. Sunil JKulkarni | 978-613-732945-0 |
| 4 | Advanced Methods for Effluent Treatments | OmniScriptum Publishing Group, Beau Bassin | Dr. Sunil JKulkarni | 978-613-33988-6. |
| 5 | Adsorption for Wastewater Treatment - Some Experimental Studies | OmniScriptum Publishing Group, Beau Bassin | Dr. Sunil JKulkarni | 978-613-33988-6 |
| 6 | Petroleum And Refining Sector: Towards Cost Effective And Sustainable Practices | Literature Lights Publication 2019 | Dr. Sunil J.Kulkarni | ISBN: 978-81-943979-0-8 |

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|---|--|------------------------|---------------------|------------------------|
| 7 | Chemical Engineering- Towards Sustainability and Intensification | Pen2Print 2021 | Dr Sunil JKulkarni | ISBN 978-93-92180-01-9 |
| 8 | Wastewater Treatment by Adsorption - Chromium, Nitrates, Nitrites and Phenol | Eliva Press 2023 | Dr Sunil J Kulkarni | ISBN 978-9994984480 |
| 9 | Abstract Proceedings of National Conference on Advances in Materials and Processes for Advanced Applications | Techno science Academy | Dr Sunil J Kulkarni | ISBN 978-81-955673-7-9 |

PUBLICATIONS IN JOURNALS (INTERNATIONAL)-Scopus Indexed: 15

LIST OF PUBLICATIONS (Scopus indexed)

- Kulkarni, S.J., Suryawanshi, M.A., Mane, V.B. *et al.* Biohydrogen From Waste Feedstocks – Materials, Methods and Recent Developments. *BioNanoSci.* (2023). <https://doi.org/10.1007/s12668-023-01206-x>
- Teli, S., & Kulkarni, S. (2023). Stirred Tank Reactor with Dual Impeller Rushton Turbine for Application of Wastewater Treatment - Process Optimization and CFD Simulation. *Advances in Environmental Technology*, (), -. doi: 10.22104/aet.2023.6207.1710
- Kulkarni, S.J. Feedstocks, Synthesis, and Characterization of Cellulosic Materials for Advanced Applications with Emphasis on Microcrystalline Cellulose (MCC). *BioNanoSci.* **13**, 784–794 (2023). <https://doi.org/10.1007/s12668-023-01080-7>
- Zope, G., Goswami, A. & Kulkarni, S. Isolation and Characterization of Cellulose Nanocrystals Produced by Acid Hydrolysis from Banana Pseudostem. *BioNanoSci.* (2022). <https://doi.org/10.1007/s12668-022-00960-8>
- Sunil Jayant Kulkarni, Enzymes as Biocatalysts: Review on Investigations on Synthesis, Mechanism, Kinetics, Applications and Potential, Letters in Applied NanoBioScience, Volume 11, Issue 1, (March 30th) 2022 <https://doi.org/10.33263/LIANBS111.30493064>
- G Zope, A K Goswami, S J Kulkarni, Factors affecting photocatalytic degradation of Reactive Green-19 with CdO-TiO₂ nanocomposite *Advanced Env. Tech* 2022, Scopus indexed. 10.22104/AET.2021.5140.1395
- Sunil Jayant Kulkarni, COVID-19: Socioeconomic, Environmental, Psychological Effects, and Prediction Models, Letters of Applied Nanobioscience, Volume 9, Issue 3, 2020, 1313 – 1319.
- 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
- 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
- SJ Kulkarni. *Chemical Engineering - an Insight into the Fundamentals and Interdisciplinary Approach*, *International Journal of Recent Technology and Engineering* 8 (1), 1322-1326
- 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
- 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**).
- 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
- 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**).
- 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

Book Chapters: 12(scopus-09)

- Sarode, S. S., Goswami, A., & Kulkarni, S. J. (2023). A Comprehensive Review on the Use of Walnut Husk Extract as a Natural Hair Dye. In B. Mishra (Ed.), *Intelligent Engineering Applications and Applied Sciences for Sustainability* (pp. 351-366). IGI Global. <https://doi.org/10.4018/979-8-3693-0044-2.ch018>
- Kulkarni, S. J., Bhatikare, G., & Shinde, A. (2023). Rice Husk and Waste Paper as Feedstocks for Synthesis of Microcrystalline

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- Cellulose. In B. Mishra (Ed.), *Intelligent Engineering Applications and Applied Sciences for Sustainability* (pp. 160-168). IGI Global. <https://doi.org/10.4018/979-8-3693-0044-2.ch009> scopus
3. Kulkarni, S. J. (2023). Conversion of Cellulosic Raw Feed Stock Into Cellulose Nanocrystals (CNC): Methods, Characterization, and Novel Applications. In R. Goel & S. Baral (Eds.), *Handbook of Research on Sustainable Consumption and Production for Greener Economies* (pp. 283-300). IGI Global. <https://doi.org/10.4018/978-1-6684-8969-7.ch017> scopus
 4. Kulkarni, S. J. & Kalshekar, B. A. (2023). Preparation and Extraction of Alpha Cellulose and Synthesis of Microcrystalline Cellulose From Agro-Waste (Pineapple Leaves). In R. Goel & S. Baral (Eds.), *Handbook of Research on Sustainable Consumption and Production for Greener Economies* (pp. 384-397). IGI Global. <https://doi.org/10.4018/978-1-6684-8969-7.ch022> scopus
 5. Kulkarni, S. J. (2023). Politics and Ethical Aspects in Private Engineering Colleges in India: A Cause of Concern. In G. Sart (Ed.), *Considerations on Education for Economic, Social, and Environmental Sustainability* (pp. 370-380). IGI Global. <https://doi.org/10.4018/978-1-6684-8356-5.ch017> scopus
 6. Kulkarni, S., Goswami, A., & Usmani, G. (2023). Comparative Studies on Neem and Jatropha Oil-Derived Biodiesels. In A. Rathoure & S. Khade (Eds.), *Biomass and Bioenergy Solutions for Climate Change Mitigation and Sustainability* (pp. 258-273). IGI Global. <https://doi.org/10.4018/978-1-6684-5269-1.ch015> scopus
 7. Kulkarni, S., Goswami, A. K., & Usmani, G. A. (2023). Characterization and Comparison of Various Blends of Honge Oil Methyl Ester (Biodiesel) With Diesel Fuel. In A. Rathoure & S. Khade (Eds.), *Biomass and Bioenergy Solutions for Climate Change Mitigation and Sustainability* (pp. 274-290). IGI Global. <https://doi.org/10.4018/978-1-6684-5269-1.ch016> scopus
 8. Kulkarni, S.J. (2022). Effect of COVID-19 Lockdown on Higher Education: Challenges Facing Engineering Education in India. In: Brunn, S.D., Gilbreath, D. (eds) COVID-19 and a World of Ad Hoc Geographies. Springer, Cham. https://doi.org/10.1007/978-3-030-94350-9_114 scopus
 9. 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
 10. Book chapter -Heavy Metal Pollution: Sources, Effects, and Control Methods in book Hazardous Waste Management and Health Risks, Gabriella Marfe & Carla Di Stefano (Eds.) 2020 Bentham Science Publishers 2020, 96-111.
 11. An Insight Into Research and Investigations of Gray Mold Focused on Botrytis cinerea, in book Driving Factors for Venture Creation and Success in Agricultural Entrepreneurship IGI Global DOI: 10.4018/978-1-6684-2349-3.ch016 scopus
 12. SJ Kulkarni, AK Goswami, Studies and Investigations on Various Aspects of Aerobic and Anaerobic Treatments for Sewage and Industrial Effluent, New Innovations in Chemistry and Biochemistry Vol.5, 1-10 <https://doi.org/10.9734/bpi/nicb/v5/5353F>

List of paper presented in conferences (International):25, National:2

| Sr. No. | Date, Year | Paper Name | Venue | Authors |
|---------|---------------------------|---|---|--|
| 1 | 02-03 December 2022 | , "Recycling of Rubber Scrap Tyres and Its Processes of the Utilization," 2022 5th International Conference on Advances in Science and Technology (ICAST), Mumbai, India, 2022, pp. 632-636, doi: 10.1109/ICAST55766.2022.10039659. | . K J Somaiya College of Engineering, Mumbai | P. Chavhan, Z. Madre, V. Gaikwad and S. J. Kulkarni |
| 2 | 7 May 2021 | An Insight Into Treatment, Reuse, Recycle and Disposal of Biodegradable and Non-biodegradable Solid Waste (May 7, 2021). Proceedings of the 4th International Conference on Advances in Science & Technology (ICAST2021), Available at SSRN: https://ssrn.com/abstract=3867475 or http://dx.doi.org/10.2139/ssrn.3867475 | Online conference. K J Somaiya College of Engineering, Mumbai | Parkar, Saima and Mulukh, Rutuja and Narhari, Gautami and Kulkarni, Sunil and Kulkarni, Sunil, |

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|----|------------------------|---|---|--|
| 3 | January 30th 2021 | Various Intensification methods for Adsorption-a review on studies and investigation. Int. conf. Advanced Resea. Innovation.). https://ijari.org/assets/papers/9/1/IJARI-CE-21-03-101.pdf | Online, Dr. Abdul Kalam Technical University, Lucknow | Rushikesh Vijay Kulkarni, Sunny Vasant Bait, Bhushan Somnath Benke, SJ Kulkarni |
| 4 | January 30th 2021 | Synthesis of microcrystalline cellulose from raw feed stock – a Review | Online, Dr. Abdul Kalam Technical University, Lucknow | Ajinkya Bhimrao Bhakare, Sandesh Sanjay Bhalekar, Vinay Rajaram Salvi, SJ Kulkarni |
| 5 | 18th January 2020 | International Conference on Recycling and Waste Management (ICRWM-20), Hyderabad, India | Hyderabad, India | Sunil Jayant Kulkarni, A K Goswami |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 17th Feb 2019, | An Insight to Soybean Denaturing Process | Asian Conference on Recent Advances in Science, Engineering and Technology (ACRASET) Pune | Sanket. S. Uppalwar, Vishakha. R. Khandke, Shubham Mhatre, Dr. Sunil Kulkarni, |
| 12 | 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, Hayderabad Nov.2017 | Sonali R. Dhokpande, Dr. Sunil J. Kulkarni, Dr. Jayant P. Kaware |

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|----|----------------------|---|---|---|
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |
| 19 | 8-10., December 2011 | Experimental Studies of Bagasse Flyash Adsorptionon 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 |
| 20 | 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 |
| 21 | 8-10., December 2011 | Kinetics of Esterification ofP-tert.butylcyclohexanol with Acetic acid over Ion Exchange Resin Catalyst | Nirma University,(NUICONE2011). Ahmedabad | Shubhangi S. Kadu, Sunil J. Kulkarni and Ravi W. Tapre |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |

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| 26 | 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 withScrewTape 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 |
| 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 |

List of Conference, Workshops and Training Programs Organized

1. Convener of National conference on advanced materials and processes for sustainable applications, at Gharda Institute, on March 23-25. 2023
2. 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
3. Convener of One days' Online seminar, “Opportunities for Chemical Engineering in Industriesand Research (OCEIR2020)” 04th July 2020 Organized by Department of Chemical Engineering, Gharda Foundation's Gharda Institute of Technology, Lavel, Tal. Khed, Dist Ratnagiri
4. 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 “MasteringMATLAB”, at Datta Meghe College of Engg., Airoli NaviMumbai in 1-11 January 2008
2. Attended two weeks training program on “Accreditation and ISO certification of TechnicalInstitute” at Datta Meghe College of Engg., AiroliNavi Mumbai in 13 July- 24 July 2009
3. Attended one-week national workshop on “Advances in Chemical Engineering- RecentTrends” 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 needsofthe industries” (CCEFI-13) at DattaMeghe 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-19Situation. 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
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 ofTechnology, Lavel, Chiplun, 19, oct. 2012.
2. Delivered lecture on Material Science and Technology at Gharda Institute ofTechnology, Lavel, Chiplun, 2011

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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

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

• **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

Other activities & responsibilities: Reviewed papers for

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

Place:

Date

(Dr. Sunil Jayant Kulkarni)