

	<b>Name</b>	<b>Dr. Kavita S. Kulkarni</b>					
	<b>Designation</b>	<b>Associate Professor</b>					
	<b>Qualification</b>	<b>B.Tech(Petrochemical) ,M.E.(Chemical Engg), PhD</b>					
	<b>AICTE ID</b>	<b>I-415358541</b>					
	<b>Date of Joining</b>	<b>16 July 2002</b>					
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	<b>Experience</b>	<b>Teaching :</b>	26 Years	<b>Industry :</b>	-	<b>Research:</b>	05 Years
<b>Area of Interest</b>	Environmental Engineering , Wastewater treatment, Adsorption						
<b>Publications</b>	<b>International Journal (s):</b>	37	<b>National Journals (s) :</b>	11			
	<b>International Conference (s):</b>	01	<b>National Conference:</b>	01			
<b>Research Publications Details (Last five years)</b>	<p><b>International Journal:</b></p> <p>(1) V.B.Vyas, <b>K.S.Kulkarni</b>, Electroplating and textile wastewater treatment by combined effect of adsorption and UV , International Journal of Chemical Sciences, 9 (2011) 1647–56.</p> <p>(2) <b>K.S.Kulkarni</b>, K.J.Kunte, S.H.Sonawane, A.B.Pandit, UV Photoactivation of Nano/Micro Porous Plant-Derived Carbon and Application to CO<sub>2</sub> Gas Adsorption, International Journal of Green Nanotechnology, 3, (2011) 292-301.</p> <p>(3) B.S.Patil, <b>K.S.Kulkarni</b>, Development of high surface area activated carbon from waste material, International Journal of Advance engineering research Studies, 1(2012) 109-113.</p> <p>(4) <b>K.S.Kulkarni</b>, A.D.Kulkarni, S.Nage, Comparative study of CO<sub>2</sub> adsorption using different types of fly ash, International Journal of Chemical Sciences, 10, (2012) 1001-1008.</p> <p>(5) R.P.Raut, <b>K.S.Kulkarni</b> ,Desalination by Membrane distillation, International Journal of Advanced Engineering Research and studies,1 (2012) 115-121</p> <p>(6) <b>K.S.Kulkarni</b>, S. Shetty, Process Intensification of an Intermediate Stage of Cypermethrin Synthesis, International Journal of Innovative Research in Science, Engineering and Technology, 2, (2013) 5617-5621.</p> <p>(7) P.Amale, S.J.Kulkarni, <b>K.S.Kulkarni</b>, Studies on Packed Bed Treatment for Organic Matter in Distillery Effluent, International Journal of Engineering Science and Innovative Technology, 3 (2014) 268-272.</p> <p>(8) P.Desai, <b>K.S.Kulkarni</b>, CO<sub>2</sub> capture by new adsorbent: Delonix Regia Fruit, International Journal of Advanced Engineering and Technology, 78 (2014) 81-87.</p> <p>(9) A.M.Saleh, <b>K.S.Kulkarni</b>, Production of bio-diesel from waste cooking oil by using homogeneous catalyst, International Journal of Chemical Sciences, 12 (2014) 941-951.</p> <p>(10) H.H.Mahadi, <b>K.S.Kulkarni</b>, Adsorption of Carbon Dioxide on Orange Peel and Carbon Synthesized from Orange Peel, , International Journal of Chemical Sciences, 12 (2014) 773-784.</p> <p>(11) A.R.Gore, <b>K.S.Kulkarni</b>, Comparison of Biodiesel Production From Karanja Seeds, Jatropha Seeds and Thumba Oil , International Journal of Emerging Trends in Science and Technology, 1(2014) 504-509.</p> <p>(12) P.Amale, S.J.Kulkarni, <b>K.S.Kulkarni</b>, A review on research for industrial waste water treatment with special emphasis on distillery effluent, International Journal of Ethics in Engineering and Mangement, 1,9 (2014) 1-4.</p> <p>(13) Prashant. L.Chudhari ,Vaijayanti G.Joshi, <b>Kavita S. Kulkarni</b>, Prasad P.Patil,</p>						

Polymer, 10,11 (2016)1-12

(14) **Kavita Kulkarni**, Prasanna Beedkar, A.D.kulkarni, International Journal of Science and research,5,6 (2016) 1-6

(15) **Kavita Kulkarni**, Ankur Dhiman, S.Kumar, International journal of Chemical Sciences,14(2016)1-8

(16) **Kavita Kulkarni**, Ashwini Gajbhiye, Dr. A.D.Kulkarni, Calcium Ion impregnated on water hyacinth for defluoridation of water, International Journal of science and research management , 5(2017) 1.-8

(17)**Kavita Kulkarni**, Snehal Thorat, A.D.Kulkarni, Doping of calcium hydroxide on biosorbent for removal of fluoride, International Journal of science and research management, 5(2017) 5679-5686

(18) **K.S.Kulkarni**, A.D.Kulkarni, Rakesh Kumar, S.J.Attar, Utilization of fly ash for bricks manufacture, Journal of Engineering Research and Studies, 3 (2011) 359-362.

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(20) P.Deshpande, **K.S.Kulkarni**, A.D.Kulkarni, Supercritical fluid technology in biodiesel production: A review ,Chemistry and Materials Research, 1, (2011) 27-32.

(21)R.Singh, **K.S.Kulkarni**, A.D.Kulkarni, Application of Appopolite in Adsorption of Heavy Metals (Co and Ni) from Waste Water Journal of Chemistry and Materials Research , 1, (2012) 16-21.

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(23) **K.S.Kulkarni**, A.D.Kulkarni, S.G.Chopade, N.S.Topare, Solid heterogeneous catalysts for production of biodiesel from trans-esterification of triglycerides with methanol: a review, Acta Chimica & Pharmaceutica Indica,2, (2012) 8-14.

(24) **K.S.Kulkarni** , P.Deshpande, Production and evaluation of biodiesel from palm oil and ghee (clarified butter) , Chemical and Process Engineering Research,2(2012) 33-42.

(25) **K.S.Kulkarni** , A.D.Kulkarni, P.Kelut , CO<sub>2</sub> Adsorption By Various Catalysts, Chemical and Process Engineering Research,18 (2014) 7-15.

(26) **K.S.Kulkarni** , A.D.kulkarni, P.Singh, Improvement of Synergetic Effect In Heterogeneous Catalysis By Addition Of Metal Oxides ,Chemical and Process Engineering Research,18 (2014) 31-34.

(27) M.B.Mane, **K.S.Kulkarni** , A.D.Kulkarni, Mass and Heat Transfer in Solid Catalyst Bed, Chemical and Process Engineering Research,33 (2015) 40-45.

(28) **K.S.Kulkarni** , P.L.Chaudhari, VG.Joshi, P.B.Patil, Sonochemical synthesis of polyacrylic acid –Nano CaCO<sub>3</sub> Nano composite for the adsorption of Rhodamine B dye, International Journal of Advanced Technology in Engineering and Science ,3, (2015) 168-176.

(29) **K.S.Kulkarni** , P.L.Chaudhari, A.D.Kulkarni, U.Ghosh, Review – Hydrocracking using Different Catalysts, Chemical and Process Engineering Research,34 (2015) 51-55.

(30) S.Dhage, **K.S.Kulkarni** , Adsorption of Carbon Dioxide on Adsorbents Synthesized by Microwave Technique, Journal of Chemical Engineering & Process Technology,6, 6, (2015) 1-5.

	<p>(31) <b>Kavita Kulkarni</b>, A.D.Kulkarni, Pallavi Amale, Sunil Kulkarni, Solute Uptake, Isotherm and Kinetic Studies for Distillery waste water Treatment for Removal of organic matter by low cost adsorbent. International Journal of Petroleum and Petrochemical Engineering, 3, (2017) 56-65.</p> <p>[32]<b>Kavita Kulkarni</b>, Gajanana Bhogle,Rujuta Nalawade, Adsorptive removal of fluoride from water samples using <i>Azospirillum</i> biofertilizer and lignite, Korean Journal of Chemical Engineering,35,1, (2018) 153-163.</p> <p>[33] Umesh Sonawane, <b>Kavita Kulkarni</b>, Algae as a potential feedstock for production of biodiesel , International Research Journal of Engineering and Technology, 5,6,(2018) 1-6</p> <p>[34]<b>Kavita Kulkarni</b>, A.D. Kulkarni, Yogesh Wadavane, Synthesis, Characterization of Nano Film from Water Lettuce (<i>Pistia Stratiotes</i>) and Its Antimicrobial Activity, International Journal of Recent Technology and Engineering,8,4 (2019)5386-5388</p> <p>[35]Neha Thakare, <b>Kavita Kulakarni</b> , Removal of Rhoda mine-B from Aqueous Solution with the Help of <i>Saccharomyces Cerevisiae</i> and Treated Sugarcane Bagasse, International Journal of Recent Technology and Engineering (IJRTE) 8,1,(2019) 1919-1921.</p> <p>[36] <b>Kavita Kulkarni</b>, Anand Kulkarni and Poonam Bodare, Removal of Rhodamine-B dye from Aqueous Solution using Biofertilizer containing <i>Trichoderma viride</i> as Low Cost Adsorbent, 31,10 (2019), 2291-2297.</p> <p>[37] <b>Kavita Kulkarni</b>, Kirti Singh and Vidya Alman, Enhanced CO<sub>2</sub> adsorption using AG functionalized GO/ZnO Composite, 38,3(2019) 231-235.</p>
<b>Research Projects</b>	<p><b>Title of the project:</b> Sequestration of CO<sub>2</sub> from industrial Combined Heat and Power Plant by evolution of solid Sorbents as a retrofit technology.</p> <p><b>Funding agency-</b> AICTE</p> <p><b>Amount</b> – Rs. 5.35 L</p> <p><b>Duration-</b> 2012 - 2014</p> <p><b>Status-</b> Completed</p>
<b>Books / Book chapters Published</b>	<p><b>Book:</b></p> <p>[1] K.S.Kulkarni, S.N.Shinde, Process Instrumentation, Chintan Publications, Pune.</p>
<b>Professional Memberships</b>	<p>ISTE</p>
<b>Workshop/ Seminar/ Conference attended</b>	<ol style="list-style-type: none"> <li>1. 6<sup>th</sup> International conference on sustainable systems and the environment, (March 2011), Sharjah, United Arab Emirates.</li> <li>2. Workshop on “Understanding the mind and conditioning ourselves through EFT”, at BVUCOE Pune (July 2014)</li> <li>3. Secrets of Guru , at BVUCOE Pune (August 2015)</li> <li>4. A Safety security threat awareness and prevention program, at BVUCOE Pune (August 2015).</li> <li>5. “Author workshop jointly organized by Springer Nature and BVUCOE, Pune”, (March 2017)</li> <li>6. One week workshop on “Problem based learning”(June 2018)</li> <li>7. AICTE – ISTE Approved short term training Programme (STTP) on “Advances in Wastewater Treatment”(June 2018).</li> </ol>

	<p>Two days seminar on “Environment and green technologies for sustainable development,(January 2019)</p> <ol style="list-style-type: none"> <li>8. FDP on “Medical biomaterials”,(February 2019)</li> <li>9. Workshop on Patent Drafting and Filing”(February 2019)</li> <li>10. Workshop on ‘Technologies for sustainable development’ (December 2019)</li> <li>11. Workshop on ‘How to access Taylor and Francis Journals ‘( May 2020)</li> <li>12. Workshop on ‘PoSH Employee Sensitization Programme’ (April 2020)</li> <li>13. Online Learning Workshop for Faculty (April 2020)</li> <li>14. FDP on ‘Research in Energy Technologies’(July 2020)</li> <li>15. FDP on ‘Waste Management Technology’(October 2020)</li> <li>16. FDP on Waste Technology ,AICTE Training And Learning (ATAL) Academy(November 2020)</li> </ol>
<b>Achievements</b>	Received RPS Grant of Rs. 5, 30,000/- from AICTE, New Delhi.
<b>Extra Activities</b>	<ol style="list-style-type: none"> <li>1. IICChE student’s chapter In charge</li> <li>2. P.G. Coordinator</li> <li>3. Placement Coordinator</li> <li>4. IQAC member</li> <li>5. Convener National conference: SANVARGAM – 2016</li> <li>6. Member board of Studies – Department of Chemical Engineering</li> <li>7. Women Cell In charge</li> </ol>