

**BHARATI VIDYAPEETH DEEMED UNIVERSITY
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF CHEMICAL ENGINEERING**

Summary of Faculty Research Publication (2013-14 to 2016-17)

Sr. No.	Academic Year	No. of Research Papers Published in		Total	No. of Research Papers listed in standard databases			Citations
		IJ	NJ		Scopus	Web of Science	Google Scholar	
1.	2016-17	18	-	18	6	4	9	5
2.	2015-16	23	-	23	8	11	17	50
3.	2014-15	19	-	19	1	2	11	90
4.	2013-14	23	-	23	8	5	17	112
Total		83	-	83	23	22	54	257

Academic Year 2016-17

International Journal

Sr. No.	Author (s)	Complete Title of the Article	Title of the Journal	Volume & Issue Number	Page Nos.	ISSN	Month and Year of Publication	Impact Factor	Listed in Standard Databases (Y/N)			Citations
									Scopus	Web of Science	Google Scholar	
1.	Motegaonkar, S, Kulkarni, R.,and Shinde S.N.	Isobaric vapour liquid equilibrium of tertiary mixture of Hexane-Cyclohexane-Methyl t-butyl ether and residue curve mapping	International Journal of Science and Research	5(9)	1384-1386	2319-7064	2016	6.391	N	N	N	--
2.	Abdulsalam , R. M., Attar, S. J., and Kulkarni K.S.	Electrochemical Degradation of Textile Dye Wastewater Using Stainless Steel Electrode	International Journal of Scientific Engineering and Research (IJSER)	4 (10)	97-100	2347-3878	2016	3.8	N	N	Y	00
3.	Abdulsalam , R. M., Attar, S. J., and Kulkarni K.S	Decolourization of Procion Red mx5b Dye by Electrochemical oxidation	International Journal of Science and Engineering	5 (7)	1635-1638	2319-7074	2016	6.319	N	N	N	--

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									Scopus	Web of Science	Google Scholar	
4.	Patil-Shinde, V., Mulani, K.B., Donde, K., Chavan, N.N., Ponrathnam, S., Tambe, S.S.	The Removal of arsenite [As(III)] and arsenate [As(V)] ions from wastewater using TFA and TFAFA resins: Computational intelligence based reaction modeling and optimization	Journal of Environmental Chemical Engineering	4 (4)	4275-4286	2213-3437	2016	3.21	Y	Y	Y	00
5.	Khedkar, M.A., Nimbalkar, P.R., Gaikwad, S.G., Chavan, P.V., and Bankar, S.B.	Sustainable biobutanol production from pineapple waste by using Clostridium acetobutylicum B 527: Drying kinetics study	Bioresource Technology	225	359-366	0960-8524	2017	5.47	Y	Y	Y	03
6.	Mali, P.K.,and	Vapor Liquid Equilibrium Data	Int. J. Chem. Sci.	14 (3)	1511-1519	0972-768X	2016	0.16	Y	N	Y	00

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									Scopus	Web of Science	Google Scholar	
	Chavan, P.V.	Generation for Acetic Acid and P-Xylene at Atmospheric Pressure										
7.	Chougale, J.A., Bankar, S.B., Chavan, P.V., Patravale, V.B., and Singhal, R.S.	Supercritical carbon dioxide extraction of astaxanthin from Paracoccus NBRC 101723: Mathematical modelling study	Separation Science and Technology	51(13)	2164-2173	0149-6395	2016	1.26	Y	Y	Y	01
8.	Kulkarni , K.S, Dhiman,A., and Kumar S.	Use of granular activated carbon for the treatment of sea water	Int. J. Chem. Sci.	14 (4)	1-8	0972-768X	2016	0.16	N	N	Y	00
9.	Gadekar-Shinde, S., Reddy, B.,Khan, M.,and Chavan, S.	Reactive Distillation for the Production of Methoxy Propyl Acetate: Experiments and Simulation	Industrial & Engineering Chemistry Research	56 (4)	832-843	0888-5885	2017	2.587	Y	Y	Y	01

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									Scopus	Web of Science	Google Scholar	
10.	Marathe, S.J., Jadhav, S.B., and Bankar, S.B.	Enzyme-Assisted Extraction of Bioactives	Food Bioactives	-	171-201		2017	--	N	N	Y	00
11.	Pawar, S.S., and Chavan, P.V.	Production of Bioethanol from biomass	International Journal of Advance Research, Ideas and Innovation in Technology	3 (3)	1550-1555	2454-132X	2017	4.295	N	N	N	--
12.	Thorat, S., Kulkarni, K., and Kulkarni, A.D.	Doping of Calcium of Hydroxide on Bioadsorbent for Removal of Fluoride from Water	International Journal of scientific research and Management	5 (6)	5700-5709	2321-3418	2017	2.14	N	N	N	--
13.	Gajbhiye, A., Kulkarni K., and Kulkarni, A.D.	Calcium Ion Impregnated on Water Hyacinth for Defluoridation of water	International Journal of scientific research and Management	5 (6)	5692-5699	2321-3418	2017	2.14	N	N	N	--

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									Scopus	Web of Science	Google Scholar	
14.	Kale,P.C.,and Chaudhari P. L.	Removal of reactive blue 221 dye from textile waste water by using zinc peroxide nano particles	International Journal of scientific research and Management	5 (6)	5700-5709	2321-3418	2017	2.14	N	N	N	--
15.	Akshay D. Khade,A.D., and Chendake Y.J.	Improvement in Polysulfone (PSf) Film Properties by Porogen Concept	International Journal for research in applied science and engineering technology	5 (6)	2303-2309	2321-9653	2017	6.887	N	N	N	--
16.	Momin,R.F., Patil,P.B., and Jadhav S.M.	Sonolytic Degradation of Acid Blue 80 Dye	International Journal for research in applied science and engineering technology	5 (6)	2342-2349	2321-9653	2017	6.887	N	N	N	--
17.	Thite, T.,and Jadhav S.M.	Synthesis Of TiO ₂ Photocatalyst For	International Journal For Research in	5 (6)	2210-2214	2321-9653	2017	6.887	N	N	N	--

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									Scopus	Web of Science	Google Scholar	
		Rhodamine B Dye Degradation Under Solar Light	applied Science & Engineering Technology									
18.	Goel, P., Saurabh, K., Patil-S.V., and Tambe, S. S.	Prediction of API Values of Crude Oils by Use of Saturates/Aromatics/Resins/Asphaltenes Analysis: Computational-Intelligence-Based Models.	SPE Journal	22 (3)	--	1086-055X	2017	2.208	Y	N	Y	00

Academic Year 2015-16

International Journal

Sr. No.	Name of the Author(s)	Title of the paper	Name of the Journal	Volume & Issue No.	Page Nos.	ISSN	Month and Year of Publication	Impact Factor	Listed in standard databases (Y/N)			Citations
									Scopus	Web of Science	Google Scholar	
1.	Kulkarni, A.D.	Photocatalytic degradation of Maleic anhydride using visible light-activated NF-codoped TiO ₂	Separation and Purification Technology	156 (3)	1011-1018	1383-5866	2015	3.091	N	Y	Y	03
2.	Shinde, Y.H., Gudekar, A.S., Chavan, P. V., Pandit, A.B., and Joshi, J.B.	Design and Development of Energy Efficient Continuous Cooking System	Journal of Food Engineering	168	231-239	0260-8774	2016	2.771	Y	Y	Y	02
3.	Raut-Jadhav, S., Saini, D., Sonawane, S., and	Effect of Process Intensifying Parameters on The Hydrodynamic Cavitation Based	Ultrasonics Sonochemistry	28	283-293	1350-4177	2016	4.321	Y	Y	Y	14

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									Scopus	Web of Science	Google Scholar	
	Pandit.A.	Degradation of Commercial Pesticide (Methomyl) In The Aqueous Solution										
4.	Dhage, S. S., Kulkarni, K.S.	Adsorption of Carbon Dioxide on Adsorbents Synthesized by Microwave Technique	Chemical Engineering & Process Technology	6(6)	--	2157-7048	2015	1.71	N	N	Y	00
5.	Raut-Jadhav,S., Saini, D., Sonawane , S., and Pandit.A.	Intensification of degradation of methomyl (carbamate group pesticide) by using the combination of ultrasonic cavitation and process intensifying additives	Ultrasonics Sonochemistry	31	135-142	1350-4177	2016	4.321	Y	Y	Y	03

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									Scopus	Web of Science	Google Scholar	
6.	Raut-Jadhav, S., Badve, M. P., Pinjari, D. V., Saini, D.R., Sonawane, S.H., and Pandit, A.B.	Treatment of the pesticide industry effluent using hydrodynamic cavitation and its combination with process intensifying additives (H ₂ O ₂ and Ozone)	Chemical Engineering Journal	295	326-335	1385-8947	2016	4.321	Y	Y	Y	07
7.	Rasal, S., More, P., Hiragond, C., Jadhav, S., and Khanna, P. K.	Rapid Homogenization Method for Synthesis of Core/Shell ZnO/CdS Nanoparticles and their Photocatalytic Evaluation	Advanced Materials Letters	07 (05)	390-397	0976-3961	2016	1.90	Y	N	Y	01

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									Scopus	Web of Science	Google Scholar	
8.	Kherde ,P., Shinde, S.N, and Kulkarni, M.B.	Synthesis, characterization and conductivity studies of Polypyrrole-Expanded Graphite–composites	International Research Journal of Engineering and Technology (IRJET)	03(06)	2530-2533	2395-0056	2016	6.171	N	N	N	--
9.	Shaikh, I.I., and Chendake, Y.J.	Removal of Ammonium Nitrate from Aquaculture by Sorption using Zeolite	International Journal of Recent Scientific Research	7(6)	11869-11874	0976-3031	2016	5.971	N	N	N	--
10.	Beedkar,P. P., Kulkarni, A.D.,and Kulkarni, K.S.	Defluoridation of Water by Adsorption Phenomenon of the Powered Ficus Religiosa in Batch and Continuous Mode.	International Journal of Science and Research	05(6)	--	2319-7064	2016	6.39	N	N	N	--

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									Scopus	Web of Science	Google Scholar	
11.	Lohar, B., Kulkarni, A.D.	Performance of Electro Coagulation Technique for the Treatment of Dairy Waster Water in a Batch Process	International Journal of Science and Research	05(6)	--	2319-7064	2016	6.39	N	N	N	--
12.	Phale, J.S.,and Chendake, Y.J.	Polysulfone Based UF Membrane Preparation by Phase Inversion : Parameter Optimization	International Journal of Science and Research	05(6)	2569-2573	2319-7064	2016	6.39	N	N	N	--
13.	Jedhe,P.R. , and Chendake, Y.J.	Biogas-Renewable Energy Source: Optimization of Production and Application	International Research Journal of Engineering and Technology (IRJET)	03(6)	1-6	2395-0056	2016	4.5	N	N	Y	00
14.	Patil,A.P., and Jadhav,S.	Simulation Analysis of Fully Thermally	International Journal of Chemical	4(3)	01-12	0972-768X	2016	0.16	Y	N	Y	00

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									Scopus	Web of Science	Google Scholar	
	M.	Coupled Distillation Column	Sciences									
15.	Thakare, Y.D., Jadhav, S. M., and Wani, K.S.	Acid Orange 7 Dye Degradation Using Combined Acoustic Cavitation with Fenton and Photo Fenton Processes	International Journal of Engineering Science and Computing	06(4)	3379-3386	2321-3361	2016	5.611	N	N	Y	00
16.	Motegaonkar, S.H., Mane, M., Kulkarni, R. K., Shinde, S.N.	Residual Curve Mapping and Isobaric Vapor Liquid Equilibrium of tertiary mixture of Hexane – Cyclohexane-Methyl t-butyl ether.	International Research Journal of Engineering and Technology (IRJET)	03(06)	2530-2533	2395-0056	2016	6.171	N	N	N	--
17.	Harde, S. M., Jadhav, S.B.,	Acetone-butanol-ethanol (ABE) fermentation using the root	Renewable Energy	86	594–601.	0960-1481	2016	3.476	N	Y	Y	05

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									Scopus	Web of Science	Google Scholar	
	Bankar, S., Ojamo, T., Singhal, R.S.,	hydrolysate after extraction of forskolin from Coleus forskohlii,										
18.	Bankar S.	Genetic engineering of Clostridium acetobutylicum to enhance isopropanol-butanol-ethanol production with an integrated DNA-technology approach	Renewable Energy	83	1076–1083	0960-1481	2015	3.476	N	Y	Y	05
19.	Patil-Shinde, V., Saha, S., Sharma, B.K.,	High ash char gasification in thermogravimetric analyzer and prediction of gasification	Chemical Engineering Communications	2013(8)	1029-1044	0098-6445	2016	1.17	N	Y	Y	02

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									Scopus	Web of Science	Google Scholar	
	Tambe,S. S., and Kulkarni, B.D.	performance parameters using computational intelligence formalisms										
20.	Jadhav,S. B., Bankar,T., Granström , H., Ojamo,R. S., Singhal, S.A. and Survase,	Interaction of carbohydrate with alcohol dehydrogenase: Effect on enzyme activity	Journal of Bioscience and Bioengineering.	120(3)	252-256.	1389-1723	2015	1.884	Y	Y	Y	06
21.	Survase,S. A., Bankar,S. B., Annapure, and Singhal, R.S.	The effect of agitation and aeration on production of CyclosporinA in batch cultures of Tolypocladium inflatum MTCC 557.	Indian Journal of Biotechnology.	14(3)	394-401	0975-0967	2015	0.386	N	N	Y	00

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									Scopus	Web of Science	Google Scholar	
22.	Patil-Shinde, V., Verma, D., Goel, P., and Tambe, S.S.	Use genetic programming for selecting predictor variables and modeling in process identification	IEEE explore 2016 , Indian Control Conference, ICC 2016 Proceedings (IIT)Hyderabad; India	-	230-237	978-146737	2016	5.629	Y	Y	Y	01
23.	Awalgao nkar, G., Sarkar, S., Bankar,S. B., and Singhal,R .S.	Xylanase as a processing aid for papads, an Indian traditional food based on black gram, LWT	Food Science and Technology.	62(2)	1148–1153.	0023-6438	2015	2.416	N	Y	Y	01

Academic Year 2014-15

International Journal

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									Scopus	Web of Science	Google Scholar	
1.	Satpude,S., Revankar, S.T. and Chavan,P.V.	Simulation Study for Determining Operation Window of Iodine Excess for SI Thermo-chemical Cycle for Hydrogen Production	International Journal of Engineering Research and Technology (IJERT)	03(06)	1322	2278-0181	2014	1.76	N	N	N	--
2.	Gore,A.,and Kulkarni,K.	Comparison of Biodiesel Production from Karanja Seeds, Jatropha Seeds &Thumba Oil	International Journal of Emerging Trends in Science and Tech. (IJETST)	01(4)	504-509	2348-9480	2014	2.838	N	N	Y	00
3.	Ganorkar,P.V. Jadhav,S.M.,and Gaikwad,S.G.	Reactive Extraction of Nicotinic Acid with tri-iso-octylamine (TIOA) in 1-Deacnol	International Journal of Advanced Technology in Engineering and Science (IJATES)	02(11)	377-383	2348-7550	2014	2.870	N	N	N	--

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									Scopus	Web of Science	Google Scholar	
4.	Maheer,N.N., Chavan,P.V.,and Satpute,S.R.	Degradation of Potassium Permanganate using Acoustic Cavitation	International Journal of Advanced Technology in Engineering and Science	02(12)	230	2348-7550	2014	2.870	N	N	N	--
5.	Nikam,S.V., Jadhav,S.M.	Photocatalytic Degradation Of Metamitron (Herbicide) In Aqueous Solution Using Anatase TiO ₂	International Journal of Advanced Technology in Engineering and Science	02(11)	423-432	2348-7550	2014	2.870	N	N	N	--
6.	Bhole,R., Chavan,P.V.,and Satpute,S.R.	Acid value Reduction of Jatropho Oil for High Quality Biodiesel	International Journal of Engineering Research and Science & Technology	03(3)	228-232	2319-5991	2014	1.09	N	N	Y	00
7.	Cray J.A., Stevenson A., Ball P., Bankar S.B., Timson D.J., Hallswo rth J.E.	Chaotropicity: A key Factor in Product Tolerance of Biofuel-Producing Microorganisms	Current Opinion in Biotechnology	33(6)	228-259	0958-1669	2015	7.117	Y	Y	Y	59
8.	Satpute,S.R., Saxena,N.,and	Simulation Analysis of	International Journal of	03(6)	117-122	2348-7550	2015	2.870	N	N	N	--

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									Scopus	Web of Science	Google Scholar	
	Chavan,P.V.	Thermally Coupled Distillation Systems	Advanced Technology in Engineering and Science									
9.	Joshi,V., Patil,P.B., Chaudhari, P.L.,and Kulkarni,K.S.	Sonochemical Synthesis of Polyacrylicacid NANOCaCO ₃ Nanocomposite for the Adsorption of Rhodamine- B Dye	International Journal of Advanced Technology in Engineering and Science	03(6)	168-176	2348-7550	2015	2.870	N	N	Y	01
10.	Dhume,S., Chendake,Y.J. , and Kulkarni,R.H.	Improvement in Process Economy by Using RO Retentate from Seawater Desalination into Sodium Carbonate Production	International Journal of Advanced Technology in Engineering and Science	03(6)	199-206	2348-7550	2015	2.870	N	N	N	--
11.	Vishwakarma, P., and Shinde,S.N.	Kinetic Study of Acylation Reaction using Ion Exchange Resin	International Journal of Advanced Technology in Engineering	03(6)	251-256	2348-7550	2015	2.870	N	N	N	--

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									Scopus	Web of Science	Google Scholar	
			and Science									
12.	Amale,P.D., Kulkarni,S.,and Kulkarni,K.S.	Studies on Packed Bed Treatment for Organic Matter in Distillery Effluent	International Journal of Engineering Science and Innovative Technology	03(5)	268-272	2319-5967	2014	--	N	N	Y	09
13.	Chalak,P.,and Kulkarni,A.D.	Decolourization of Methyl Orange Dye by Using Electrochemical Oxidation and Photocatalysis	International Journal of Advanced Technology in Engineering and Science	03(6)	244-250	2348-7550	2015	2.870	N	N	N	--
14.	Amale,P., Kulkarni,S.,and Kulkarni,K.	A review on research for industrial waste water treatment with special emphasis on distillery effluent	International journal of ethics in engineering and management education	1(9)	1-4	2348-4748	2014	5.4	N	N	Y	18
15.	Kelut,P., Kulkarni,K.,and Kulkarni,A.D.	CO ₂ adsorption by various catalysts	Chemical and Process Engineering research	18	7-15	2224-7467	2014	5.51	N	N	Y	02

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									Scopus	Web of Science	Google Scholar	
16.	Shende C. S. and Chavan P. V	Esterification of phthalic anhydride with n-butanol using homogeneous catalysts	Journal of the Indian Chemical Society	91	1355-1359	0019-4522	2014	--	N	Y	Y	00
17.	Singh,P., Kulkarni,K.S, and Kulkarni,A.D.	Improvement of synergetic effect in heterogeneous catalysis by addition of metal oxides	Chemical and Process Engineering research	18	31-34	2224-7467	2014	5.51	N	N	Y	00
18.	Khosravi, M.,and Shinde,S.N.	Kinetic study of Esterification of adipic acid with methanol over amberlyst 15	Int. J. of chem. Tech Research	05	4872-4877	0974-4290	2014	--	N	N	Y	00
19.	Ghosh,U., Kulkarni,K., Kulkarni,A.D. and Chaudhari,P.L	Review: Hydro cracking using different catalysts	Chemical and Process Engineering research	34	51-55	2224-7467	2015	5.51	N	N	Y	01

Academic Year 2013-14

International Journal

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									Scopus	Web of Science	Google Scholar	
1.	Raut-Jadhav,S., Saharan V.K., Pinjari,D., Sonawane,S and Pandit,.A.	Synergetic effect of combination of AOP's (hydrodynamic cavitation and H ₂ O ₂) on the degradation of neonicotinoid class of insecticide	Journal of Hazardous Materials	261	139-147	0304-3894	2013	4.529	Y	Y	Y	39
2.	Raut-Jadhav, S., Saharan, V., Pinjari,D., Sonawane, S., Saini,D., and Pandit,A.	Intensification of degradation of imidacloprid in aqueous solutions by combination of hydrodynamic cavitation with various advanced oxidation processes (AOPs)	Journal of Environmental Chemical Engineering, Elsevier publication	1(4)	850-857	2213-3437	2013,	--	Y	N	Y	17

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									Scopus	Web of Science	Google Scholar	
3.	Chavan,P.V., and Shende,C.S.	Decolourization of phthalate plasticizers using activated carbon	Int.J. Chem. Sci,	04(3)	14-15	0972-768X	2013	--	N	N	N	--
4.	Thakare,Y. D., and Jadhav,S.M.	Degradation Of Brilliant Green Dye Using Cavitation Based Hybrid Techniques	International Journal of Advanced Engineering Technology	(4)	31-36	0976-3945	2013	--	N	N	Y	06
5.	Topare,N., Raut,.S., Khedkar,S.J ,and Satish V.	A study of process variables for the photo-catalytic degradation of Rhodamine-B using TiO ₂ and Nb ₂ O ₅	Journal of the Indian Chemical Society	90 (12)	2193-2198	0019-4522	2013	--	Y	Y	Y	03
6.	Kulkarni,A. D., and Beldar,Y.	Application of Engineering Microorganism for the Effective Treatment of Paint Shop Wastewater	Int. Journal of Engineering Research and Applications (IJERA) ,	3(4),	922-926	2248-9622	2013	1.69	N	N	Y	00
7.	Shinde,S.N., and	Synthesis of dibasic esters: A	Indian Journal of	3 (5)	79-81	2250-1991	2013	--	N	N	N	--

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									Scopus	Web of Science	Google Scholar	
	Khosravi,M.	review	research									
8.	Satpute,S.R. Shinde,Y.H. ,and Chavan,P.V.	Esterification of Phthalic Anhydride With 2-Ethylhexanol	International Journal of Research in Advance Technology	1(5)	553-567	2321-9637	Dec-2013	--	N	N	Y	00
9.	Kumar,R.B. ,and Shinde,S.N.	Reactive extraction of Naphthenic acid and Caproic acid.	International Journal of Advanced engineering Technology	5(2)	103-106	0976-3945	2014	--	N	N	N	--
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