

BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY)
COLLEGE OF ENGINEERING, PUNE
DEPARTMENT OF CHEMICAL ENGINEERING

Summary of Faculty Research Publication (Academic Year 2015-16 to 2020-21)

Sr. No.	Academic Year	No. of Research Papers Published	No. of Research Papers listed in standard databases		
			Google Scholar	Scopus	Web of Science
1.	2020-21	10	08	06	05
2.	2019-20	09	03	06	02
3.	2018-19	14	09	06	05
4.	2017-18	14	11	07	07
5.	2016-17	21	19	09	08
6.	2015-16	22	16	13	08

Academic Year 2020-21
International Journal

Sr. No	Author (s)	Complete Title of the Article	Title of the Journal	Volume & Issue Number	Page Nos.	Month and Year of Publication	ISSN	Impact Factor	Listed In Scopus	Listed In Web of Science	Listed In Google Scholar
1.	Patil, P.B., Raut-Jadhav, S., Pandit, A.B.	Effect of intensifying additives on the degradation of thiamethoxam using ultrasound cavitation	Ultrasonics Sonochemistry	70	105310	2021	ISSN: 1350-4177	6.513	Y	Y	Y
2.	MV Bagal and S Raut-Jadhav	Process for removal of micropollutants using nanomaterials	Handbook of Nano-materials for Wastewater Treatment: Fundamentals and Scale up Issues (Elsevier publication)	Book chapter	--	March 2021	ISBN: 9780128214961	--	Y	N	Y

3.	Niraj S. Topare, Sudarshan Surange, Aishwarya Chaudhari, S. Raut-Jadhav	Adsorption of Rhodamine-B by using citrus peel powder: Influence of operating parameters	Journal of Indian Chemical Society	97(11a)	1-7	November 2020	ISSN:0 019452 2	0.15	Y	Y	Y
4.	Supriya S. Dhume, Pallavi Mahajan-Tatpate, Yogesh J. Chendake	Optimization Of PSF Membrane Transport Properties With The Use Of Porogenic Additive	J. Applied Membrane Science & Technology	24 (03)	57-74	December 2020	2600-9226	2.08	N	N	Y
5.	Supriya Dhume and Yogesh Chendake	Membrane Technology for Green Engineering	Book Chapter in; Applied Biopolymer Technology and Bioplastics Sustainable Development by Green Engineering Materials	Book Chapter	155-182	April 2021	Hard: 978-1-77188-921-6. ISBN ebook: 9781003045458.	--	N	N	N
6.	Pallavi Mahajan-Tatpate, Supriya Dhume and Yogesh Chendake	Removal of Heavy Metals from Water: Technological Advances and Today's Lookout Through Membrane Applications	International Journal of Membrane Science and Technology	8	1-21	March 2021	2410-1869	--	N	N	Y

7.	Khedkar MA, Satpute SR, Bankar SB, Chavan PV.	Adsorptive removal of unsaturated fatty acids using ion exchange resins.	Journal of Chemical and Engineering Data	66	308- 321	December 2020	0021- 9568	2.1	Y	Y	Y
8.	Survase, S.A., Nimbalkar, P.R., Jurgens, G., Granström, T., Chavan, P.V., Bankar, S.B.	Efficient Strategy to Alleviate the Inhibitory Effect of Lignin-Derived Compounds for Enhanced Butanol Production	ACS Sustainable Chemistry and Engineering	9	1172- 1179	November 2020	2168- 0485	7.63	Y	Y	Y
9.	Amit Kumar, Prakash V. Chavan, Vaibhav S. Sadavarte, Debdas Bhowmik, S.S.N.M. Santosh Mada	Studies on the Effect of Nitrate Esters on the Properties of Advanced Energetic Propellants	Central European Journal of Energetic Materials	17(3)	384- 407	July 2020	1733- 7178	1.05	Y	Y	Y
10.	Rashid Kapadi, Prashant Chaudhari, Sagar Bandpatte	Data analysis of organic dye removal from synthetic waste water using low cost adsorption	Wesleyan Journal of Research	14(2)	400- 415	February 2021	0975- 1386	--	N	N	N

Academic Year 2019-20**International Journal**

Sr. No.	Author (s)	Complete Title of the Article	Title of the Journal	Volume & Issue Number	Page Nos.	Month and Year of Publication	ISSN	Impact Factor	Listed In Scopus	Listed In Web of Science	Listed In Google Scholar
1.	Kavita Kulkarni, Anand Kulkarni, Poonam Bodare	Removal of Rhodamine-B dye from Aqueous Solution using Biofertilizer Containing Trichoderma viride as Low Cost Adsorbent	Asian Journal of Chemistry	Volume 31	pp: 2291-2297	July 2019	ISSN: 0970-7077	0.25	Y	N	N
2.	P. R. Nimbalkar, M. A. Khedkar, P. V. Chavan, S. B. Bankar	Enhanced Biobutanol Production in Folic Acid Induced Medium by Using Clostridium Acetobutylicum NRRL-527	ACS omega	Volume 04, Issue 07	pp: 12978-12982	July 2019	ISSN: 2470-1343	2.54	Y	Y	Y
3.	Kavita Kulkarni, Kirti Singh, Vidya Alman	Enhanced CO ₂ Adsorption Using Ag Functionalized GO/ZnO Composite	Pollution Research	Volume 38, Issue 03	pp: 231-235	September 2019	ISSN: 0257-8050	0.11	Y	N	N
4.	Kavita Kulkarni, A. D. Kulkarni Yogesh Wadavane	Synthesis, Characterization of Nano-Film from Water Lettuce (Pistia Stratiotes) and its Anti-Microbial Activity	International Journal of Recent Technology and Engineering	Volume 08, Issue 04	pp: 5386-5388	November 2019	ISSN: 2277-3878	0.11	Y	N	N

5.	Akanksha Prasad, Kavita Kulkarni, A.D. Kulkarni, P.L. Chaudhari, S.C. Bandpatte	Pour Point Depressant of Crude Oil	International Journal of Chemical Engineering Research.	Volume 11, Issue 02	pp: 81-90	November 2019	ISSN: 0975-6442	--	N	N	N
6.	Manisha A. Khedkar, Pranhita R. Nimbalkar, Shashank G. Gaikwad, Prakash V. Chavan, Sandip B. Bankar	Solvent Extraction of Butanol from Synthetic Solution and Fermentation Broth: Batch and Continuous Studies	Separation and Purification Technology	Volume 249	pp: 01-10	May 2020	ISSN: 1383-5866	5.774	Y	Y	Y
7.	S. Raut-Jadhav, M.V. Bagal	Advanced Graphene-Transition Metal-Oxide Based Nanocomposite Photocatalyst for Efficient Degradation of Pollutants Present in Wastewater	Multifunctional Nanostructured Metal Oxides for Energy Harvesting and Storage Devices	Book Chapter	--	May 2020	ISBN: 9780429296871	--	Y	N	Y
8.	Ayushi Sharma, Simran Rahi, Ann Mary Dcruz, Veena Shinde and Shambala Shinde.	Downstream Separation of Fusel Oil: Mini Review	Chemical Engineering World	Volume 55, Issue 06	pp: 67-74	June 2020	--	--	N	N	N

9.	Aniket S. Jadhav, Sachin Chavan, Yogesh Chendake, Pinal Gandha	Effect of temperature light, Ultraviolet radiation and humidity on the productivity of different crops in a agricultural field	International Journal of Mechanical and Production	10 (03)	8505-8513		Jun 2020	3.05	N	N	N
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Academic Year 2018-19**International Journal**

Sr. No.	Author (s)	Complete Title of the Article	Title of the Journal, (ISSN No.)	Volume (Issue Number)	Page Nos.	Month and Year of Publication	Listed in UGC Care	Impact Factor	Listed In Scopus	Listed In Web of Science	Listed In Google Scholar
1.	S. B. Bankar, P. R. Nimbalkar, P. V. Chavan, R. S. Singhal	Microbial Polyamino Acids: An Overview for Commercial Attention	Role of Materials Science in Food Bioengineering, (ISBN: 9780128114483)	Book Chapter	381-412	August 2018	Y	--	Y	N	Y
2.	S. B. Bankar, P. R. Nimbalkar, M. A. Khedkar, P. V. Chavan	Biobutanol: Research Breakthrough for its Commercial Interest: Liquid Biofuel Production	Wiley and Sons Publishing, (ISBN: 9781119459866)	Book Chapter	524-552	May 2019	N	--	N	N	Y
3.	P. R. Nimbalkar, M. A. Khedkar, S. P. Kamble, S. G. Gaikwad, P. V. Chavan, S. B. Bankar	Strategic Intensification in Butanol Production by Exogenous Amino Acid Supplementation: Fermentation Kinetics and Thermodynamic Studies	Bioresource Technology, (ISSN: 0960-8524)	288	121-131	May (2019)	Y	6.66	Y	Y	Y
4.	R. Sangtyani, H. S. Saha, A. Kumar, A. Kumar, M.	An Alternative Approach to Improve Burning Rate Characteristics	Combustion and Flame, (ISSN:0010-2180)	209	357-362	April 2019	Y	4.12	Y	Y	Y

	Gupta, P. V. Chavan	and Processing Parameters of Composite Propellant									
5.	M. A. Thombare, P. V. Chavan, S. B. Bankar, D. V. Kalaga	Solid-Liquid Circulating Fluidized Bed: A Way Forward	Reviews in Chemical Engineering, (ISSN :0167-8299)	35	1-44	Jan 2019	Y	4.20	Y	Y	Y
6.	M. A. Thombare, S. B. Bankar, D. V. Kalaga, R. K. Kulkarni, S. R. Satpute, P. V. Chavan	Novel Multistage Solid-Liquid Circulating Fluidized Bed: Liquid Phase Mixing Characteristics.	Particulate Science and Technology, (ISSN :0272-6351)	11	1-12	April 2019	Y	1.45	Y	Y	Y
7.	M. A. Khedkar, P. R. Nimbalkar, S. P. Kamble, S. G. Gaikwad, P. V. Chavan, S. B. Bankar	Process Intensification Strategies for Enhanced Holocellulose Solubilization: Beneficiation of Pineapple Peel Waste for Cleaner Butanol Production.	Journal of Cleaner Production, (ISSN: 0959-6526)	99	937-947	July 2018	Y	6.39	Y	Y	Y
8.	S. J. Teli, V. A. Shinde	Design Distillation Column for Separation of Ortho Meta Para Nitro Toluene and Optimization using Aspen	International Journal of Advanced Research in Science and Engineering, (ISSN:2319-8354)	7(6)	200-214	July 2018	N	2.4	N	N	Y

9.	N. Thakare, K. Kulkarni	Removal of Rhodamine-B from Aqueous Solution with the Help of Saccharomyces Cerevisiae and Treated Sugarcane Bagasse	International Journal of Recent Technology and Engineering, (ISSN:2277-3878)	8(1)	1919-1921	May 2019	N	6.17	N	N	N
10.	P. Ghatawat, Y. Vankar, S. Dhume, Y. Chendake	Separation and Recovery of Milk Components from Dairy Effluent	International Journal of Engineering Research & Technology, (ISSN 278-0181)	8(6)	884-888	June 2019	N	7.86	N	N	N
11.	S. A. Dawkhar, S. J. Attar, S. Rikame	Fabrication of Cation Exchange Membrane for Microbial Fuel Cells	International Journal of Recent Technology and Engineering, (ISSN:2277-3878)	08(02)	769-773	June 2019	N	5.92	N	N	N
12.	S. A. Dawkhar, S. J. Attar, S. Rikame	Synthesis of Phosphorylated Poly(Vinyl Alcohol) and Sulphonated Graphene Oxide Membrane Applied in MFC for Power Generation and COD Removal	International Journal of Innovative Technology and Exploring Engineering, (ISSN:2278-3075)	08 (09)	1156-1159	June 2019	N	5.54	N	N	N
13.	Harshit Shukla, Gaurav Salvi, Jahnavi Chopra, Sagar Bandpatte	Energy Efficiency Analysis Using Pinch Technology	International journal of innovative research in technology ISSN 2349-6002	5(12)	234-238	May 2019	N	7.86	N	N	N

14.	Kranti T. Bhoj, M. M. Upkare, S. R. Satpute, P. V. Chavan	Adsorption Studies on Acetic Acid Using Anionic Resin and Activated Charcoal from Pineapple Peels and Sweet Lemon Peels	International Journal of Research in Engineering, Science and Management ISSN (Online): 2581-5782	1(18)	98-106	August 2018	N	4.28	N	N	Y
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Academic Year 2017-18**International Journal**

Sr. No	Author (s)	Complete Title of the Article	Title of the Journal, ISSN No.	Volume & Issue Number	Page Nos.	Month and Year of Publication	Listed in UGC Care	Impact Factor/ (Citations)	Listed in Scopus	Listed in Web of Science	Listed in Google Scholar
1.	P. V. Chavan, M. A. Thombare, S. B. Bankar, D. V. Kalaga, and V. A. Patil-Shinde	Novel multistage solid-liquid circulating fluidized bed: hydrodynamic characteristics	Particuology, (ISSN :-1674 (2001	38	134-142	Sept 2017	Y	2.61	Y	Y	Y
2.	P. R. Nimbalkar, M. A. Khedkar, P. V. Chavan, S. B. Bankar	Biobutanol Production using Peas Pod Waste as Substrate: Impact of Drying on Saccharification and Fermentation.	Renewable Energy, (ISSN: 0960-1481)	117	520-529	Oct 2017	Y	5.43	Y	Y	Y
3.	P. R. Nimbalkar, M. A. Khedkar, R. S. Parulekar, V. Chandgude, K. D. Sonawane, P. V. Chavan, S.B. Bankar	Role of Trace Elements as Cofactor: An Efficient Strategy towards Enhanced Biobutanol Production.	ACS Sustainable Chemistry & Engineering, (ISSN 2168-0485)	6	9304-9313	June 2018	Y	6.97	Y	Y	Y

4.	S. S. Yadav, N. A. Mali, S. S. Joshi, P. V. Chavan	Isobaric Vapor–Liquid Equilibrium Data for the Binary Systems of Dimethyl Carbonate with Xylene Isomers at 93.13 kPa.	Journal of Chemical & Engineering Data, (ISSN :0021-9568)	62	2436-2442	July 2017	Y	2.30	Y	Y	Y
5.	M. A. Thombre and P. V. Chavan	Flow Characteristics of Novel Solid Liquid Circulating Fluidized Bed.	Novel water treatment and separation methods: Apple Academic Press, Taylor and Francis Group, (ISBN 978-1-77188-578-2)	Book Chapter	75-102.	Sep 2017	Y	-	Y	Y	Y
6.	V. Patil-Shinde, S. S. Tambe	Genetic Programming Based Models for Prediction of Vapor-Liquid Equilibrium	Calphad, (ISSN: 0364-5916)	60	68-80	March 2018	Y	2.652	Y	Y	Y
7.	A. Kulkarni, K. S. Kulkarni	Study of Volatile Compound in Wort Boiling	International Journal of ChemTech Science, (ISSN:0974-4290)	10(13)	113 - 118	November 2017	Y	0.34	N	N	N

8.	U. Y. Sonawane, K. S. Kulkarni	Algae as a Potential Feedstock for Production of Biodiesel	International Research Journal of Engineering and Technology, (ISSN:2395-0056)	5(6)	2670-2675	June 2018	Y	7.211	N	N	N
9.	R. Nalawade, K. Kulkarni, G. M. Bhogale	Adsorptive Removal of Fluoride from Water Samples Using Azospirillum Biofertilizer and Lignite	Korean Journal of Chemical Engineering, (ISSN:0256-1115)	35(1)	153-163	Jan 2018	Y	2.476	Y	Y	Y
10.	P. C. Kale, P. L. Chaudhari	Synthesis and Characterization of Nano Zinc Peroxide Photocatalyst for the Removal of Brilliant Green Dye from Textile Waste Water	International Journal of Chemtech Research, (ISSN:0974-4290)	10(9)	477-486	July 2017	N	0.34	N	N	Y
11.	Y. L. Beldar, A. D. Kulkarni	Treatment of Textile Wastewater Containing Rhodamine B by using Advanced Oxidation Processes	International Journal of Scientific Development and Research, (ISSN:2455-2631)	2(7)	48-59	July 2017	N	4.07	N	N	N

12.	M. A. Chandurkar, S.N.Shinde	A Review of Fischer- Tropsch Synthesis on the Cobalt Based Catalysts	International Journal of Advanced Technology in Engineering and Science, (ISSN:2348-7550)	5(9)	1-12	September 2017	N	2.87	N	N	Y
13.	A. T. Lomte, S. N. Shinde	Influence of Advanced Settling Zone on COD Removal Efficiency of UASB Reactor Treating Dairy Wastewater	International Research Journal of Engineering and Technology, (ISSN:2395-0056)	5(6)	2716-2719	June 2018	N	7.211	N	N	Y
14.	PD Amale, KS Kulkarni, SJ Kulkarni, AD Kulkarni	Solute Uptake, Isotherm and Kinetic Studies for Distillery Wastewater Treatment for Removal of Organic Matter by Low Cost Adsorbent	International Journal of Petroleum and Petrochemical Engineering (IJPPE) ISSN 2454-7980	3(3)	56-65	September 2108	N	-	N	N	Y

Academic Year 2016-17

International Journal

Sr. No.	Author (s)	Complete Title of the Article	Title of the Journal	Volume & Issue Number	Page Nos.	Month and Year of Publication	ISSN	Impact Factor	Listed In Scopus	Listed In Web of Science	Listed In Google Scholar
1.	Rashid Mohamed Abdulsalam Jabir, Dr.Salim J Attar, Prof.K.S. Kulkarni	Decolourization of Procion Red mx5b Dye by Electrochemical oxidation	International Journal of Science and Engineering	Volume 5 Issue 7	Pp: 1635-1638	July 2016	Online ISSN: 2319-7074	6.319	N	N	Y
2.	Rashid Mohamed Abdulsalam Jabir, Dr.Salim J Attar, Prof.K.S. Kulkarni	Electrochemical Degradation of Textile Dye Wastewater Using Stainless Steel Electrode	International Journal of Scientific Engineering and Research (IJSER)	Volume No :4 issue 10	97-100	October 2016	ISSN:2 347-3878	3.8	N	N	Y
3.	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 TAFA resins: Computational intelligence based reaction modeling and	Journal of Environmental Chemical Engineering	Volume 4, Issue 4	Pp:427 5-4286	December 2016	ISSN: 221334 37	3.21	Y	Y	Y

		optimization									
4.	Goel, P., Saurabh, K., Patil-Shinde, 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	Vol. 22, Issue 3	--	June 2017	ISSN: 1086-055X	2.208	Y	Y	Y
5.	Khedkar, M.A., Nimbalkar, P.R., Gaikwad, S.G., Chavan, P.V., Bankar, S.B.	Sustainable biobutanol production from pineapple waste by using Clostridium acetobutylicum B 527: Drying kinetics study	Bioresource Technology	Volume 225	Pp: 359-366	Nov 2016	ISSN: 0960-8524	5.47	Y	Y	Y
6.	Gadekar-Shinde, Shambala Reddy, Bhoja Khan, Mohammad Chavan, Sanjay	Reactive Distillation for the Production of Methoxy Propyl Acetate: Experiments and Simulation	Industrial & Engineering Chemistry Research	Volume: 56 Issue: 4	Pp: 832-843	FEB 1 2017	ISSN 0888-5885	2.587	Y	Y	Y

7.	Sandesh J. Marathe, Swati B. Jadhav, Sandip B. Bankar And Rekha S. Singhal	Enzyme-Assisted Extraction of Bioactives	Food Bioactives	Springer International Publishing	Pp:171-201	2017	-	--	N	N	Y
8.	Mr. Sangram S Pawar Dr. P. V. Chavan	Production of Bioethanol from biomass	International Journal of Advance Research, Ideas and Innovation in Technology	Volume-3- Issue 3 May-June 2017	Pp: 1550-1555	June 2017	ISSN: 2454-132X	4.295	N	N	N
9.	SnehalThorat, KavitaKulkarni, Dr. A.D.Kulkarni	Doping of Calcium of Hydroxide on Bioadsorbent for Removal of Fluoride from Water	International Journal of scientific research and Managment	Volume-5; Issue 6 June 2017	Page No: 5700-5709	June 2017	e-ISSN: 2321-3418	2.14	N	N	Y
10.	AshwiniGajbhiye, KavitaKulkarni, Dr. A.D.Kulkarni	Calcium Ion Impregnated on Water Hyacinth for Defluoridation of water	International Journal of scientific research and Managment	Volume-5; Issue 6 June 2017	Page No: 5692-5699	June 2017	e-ISSN: 2321-3418	2.14	N	N	Y
11.	Pallavi C. Kale, Prashant L. Chaudhari	Removal of reactive blue 221 dye from textile waste water by using zinc peroxide	International Journal of scientific research and	Volume-5; Issue 6 June	Page No: 5700-	June 2017	e-ISSN: 2321-3418	2.14	N	N	Y

		nano particles	Managment	2017	5709						
12.	Akshay D. Khade, Dr. Yogesh J. Chendake	Improvement in Polysulfone (PSf) Film Properties by Porogen Concept	International Journal for research in applied science and engineering technology	Volume- 5; Issue VI June 2017	Pp: 2303- 2309	June 2017	ISSN:2 321- 9653	6.887	N	N	Y
13.	Rahat F. Momin, P.B. Patil S. M. Jadhav	Sonolytic Degradation of Acid Blue 80 Dye	International Journal for research in applied science and engineering technology	Volume- 5; Issue VI June 2017	Pp:234 2-2349	June 2017	ISSN:2 321- 9653	6.887	N	N	Y
14.	ThiteTushar Dr.S.M. Jadhav	Synthesis Of TiO ₂ Photocatalyst For Rhodamine B Dye Degradation Under Solar Light	International Journal For Research in applied Science & Engineering Technology	Volume 5, issue 6, june 17	Page no: 2210- 2214	June - 2017	ISSN: 2321- 9653	6.887	N	N	Y
15.	Pawan Kumar Mali	Vapor Liquid Equilibrium Data Generation for Acetic	Int. J. Chem. Sci.	Volume 14	1511- 1519	2016	ISSN 0972- 768X	0.16	Y	N	Y

	Prakash V Chavan	Acid and P-Xylene at Atmospheric Pressure		Issue 3							
16.	Kavita Kulkarni Ankur Dhiman, Satendra Kumar	Use of granular activated carbon for the treatment of sea water	Int. J. Chem. Sci.	Volume 14 Issue 4	1-8	2016	ISSN 0972-768X	0.16	N	N	N
17.	Shraddha Motegaonkar Rahul Kulkarni, Shambala Shinde	Isobaric vapour liquid equilibrium of tertiary mixture of Hexane-Cyclohexane-Methyl t-butyl ether and residue curve mapping	International Journal of Science and Research	Volume 5 Issue 9	1384-1386	Sept. 2016	ISSN:2319-7064	6.391	N	N	Y
18.	Sunita Raut-Jadhav, DaulatSaini, ShirishSonawane, AniruddhaPandit.	Intensification of degradation of methomyl (carbamate group pesticide) by using the combination of ultrasonic cavitation and process intensifying additives	Ultrasonics Sonochemist ry,	Volume 31	pp:135-142	July 2016	1350-4177	4.321	Y	Y	Y
19.	Sunita Raut-Jadhav, Mandar P. Badve, Dipak V. Pinjari, Daulat R. Saini, Shirish H. Sonawane, Aniruddha B. Pandit	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	Volume 295	pp: 326-335	July 2016	1385-8947	4.321	Y	Y	Y

20.	Pranhita R. Nimbalkar, Manisha A. Khedkar, Shashank G. Gaikwad, Prakash V. Chavan, Sandip B. Bankar	New Insight into Sugarcane Industry Waste Utilization (Press Mud) for Cleaner Biobutanol Production by Using <i>C. acetobutylicum</i> NRRL B-527	Applied Biochemistry and Biotechnology	183	1008-1025	April 2017	ISSN: 2168-0485	1.63	Y	Y	Y
21.	Manisha A. Khedkar, Pranhita R. Nimbalkar, Prakash V. Chavan, Yogesh J. Chendake, Sandip B. Bankar	Cauliflower waste utilization for sustainable biobutanol production: revelation of drying kinetics and bioprocess development	Bioprocess and Biosystems Engineering	40	1493-1506	June 2017	ISSN: 1615-7605	2.41	Y	Y	Y

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 Numbers	Year of Publication	ISSN No.	Impact Factor	Listed in Scopus	Listed in Web of Science	Listed in Google Scholar
1.	Yogesh H. Shinde, Ajitkumar S. Gudekar, Prakash V. Chavan, Aniruddha B. Pandit, Jyeshtharaj B. Joshi	Design and Development of Energy Efficient Continuous Cooking System	Journal of Food Engineering	Volume 168	pp: 231-239	January 2016	0260-8774	2.771	Y	Y	Y
2.	Sunita Raut-Jadhav, DaulatSaini, ShirishSonawane, AniruddhaPandit.	Effect of Process Intensifying Parameters on The Hydrodynamic Cavitation Based Degradation of Commercial Pesticide (Methomyl) In The Aqueous Solution	Ultrasonics Sonochemistry,	Volume 28	pp:283-293	January 2016	1350-4177	4.321	Y	Y	Y
3.	SandipBankar	Genetic engineering of Clostridium acetobutylicum to enhance	Renewable Energy	Volume 83	pp. 1076–1083	August 2015	0960-1481	3.476	Y	Y	Y

		isopropanol-butanol-ethanol production with an integrated DNA-technology approach									
4.	S.M. Harde, S.B. Jadhav, S.B. Bankar, H. Ojamo, T. Granström, R.S. Singhal, S.A. Survase	Acetone-butanol-ethanol (ABE) fermentation using the root hydrolysate after extraction of forskolin from <i>Coleus forskohlii</i> ,	Renewable Energy.	86	594–601.	2016	0960-1481	3.476	Y	Y	Y
5.	G. Awalgaonkar, S. Sarkar, S.B. Bankar, R.S. Singhal	Xylanase as a processing aid for papads, an Indian traditional food based on black gram, LWT	Food Science and Technology.	62(2)	1148–1153.	2015	0023-6438	2.416	Y	Y	Y
6.	S.B. Jadhav, S.B. Bankar, T. Granström, H. Ojamo, R.S. Singhal, S.A. Survase, Journal of	Interaction of carbohydrate with alcohol dehydrogenase: Effect on enzyme activity,	Bioscience and Bioengineering.	120(3)	252-256.	2015	1389-1723	1.884	Y	Y	Y
7.	S.A. Survase, S.B. Bankar, U.S. Annapure, R.S. Singhal,	The effect of agitation and aeration on production of CyclosporinA in batch cultures of <i>Tolypocladiuminfla</i>	Indian Journal of Biotechnology.	14(3)	394-401.	2015	0975-0967	0.386	Y	Y	Y

		tum MTCC 557.									
8.	AnandKulkarni Changseok Han, Dhananjay Bhatkhande Dionysios D. Dionysiou	Photocatalytic degradation of maleic anhydride using visible light-activated NF-co doped TiO ₂	Separation and Purification Technology	Volume 156, Part 3, 17	Pages 1011–1018	December 2015	1383-5866	3.091	Y	N	Y
9.	KavitaKulkarni Sailee Dhage S	Adsorption of Carbon Dioxide on Adsorbents Synthesized by Microwave Technique	Chemical Engineering & Process Technology	Volume 6, Issue 6,	--	September 2015	2157-7048	1.71	N	N	Y
10.	VeenaPatil-Shinde, Sujan. Saha, B.K. Sharma, Sanjeev.S. Tambe*, B.D. Kulkarni	High ash char gasification in thermogravimetric analyzer and prediction of gasification performance parameters using computational intelligence formalisms	Chemical Engineering communications	Volume 2013, Issue 8	Pp: 1029-1044	Jan 2016	ISSN:	1.17	Y	N	Y
11.	Veena.Patil-Shinde, DevendraVerma, PurvaGoel, S.S. Tambe	Use genetic programming for selecting predictor variables and modeling in process identification	IEEE explore 2016 , Indian Control Conference, ICC 2016 Proceedings (IIT)Hyderab	-	Pp. 230-237	4-6 Jan 2016	ISBN: 978-146737993-9	5.629	Y	N	Y

			ad; India								
12.	AsmitaPravinPatil, S. M. Jadhav	Simulation Analysis of Fully Thermally Coupled Distillation Column	International Journal of Chemical Sciences	Volume14, Issue 03.	pp: 01-12	2016	ISSN: 0972-768X	0.16	Y	N	Y
13.	SurakshaRasal, Priyesh More, ChaitanyaHiragond, SunitaJadhav, Pawan K. Khanna	Rapid Homoginization Method for Synthesis of Core/Shell ZnO/CdS Nanoparticles and their Photocatalytic Evaluation	Advanced Materials Letters	Volume07, Issue 05.	pp: 390-397	2016	ISSN: 0976-3961	1.90	Y	N	Y
14.	Yogendra D. Thakare, Sunita M. Jadhav, Kishor S. Wani	Acid Orange 7 Dye Degradation Using Combined Acoustic Cavitation with Fenton and Photo Fenton Processes	International Journal of Engineering Science and Computing	Volume 06, Issue 04.	pp.: 3379-3386	April 2016	ISSN: 2321-3361	5.611	N	N	Y
15.	Ishan.I., Shaikh, Dr Y.J. Chendake	Removal of Ammonium Nitrate from Aquaculture by Sorption using Zeolite	International Journal of Recent Scientific Research (Ijrsr)	Volume07, Issue 06.	pp: 11869-11874	June 2016	ISSN:0976-3031	5.971	N	N	N
16.	Prasanna P. Beedkar, Anand D. Kulkarni, Kavita S. Kulkarni	Defluoridation of Water by Adsorption Phenomenon of the Powered FicusReligiosa in	International Journal of Science and Research	Volume 05, Issue 06.	--	June 2016	ISSN: 2319-7064	6.39	N	N	N

		Batch and Continuous Mode.									
17.	BhushanLohar, Anand D. Kulkarni	Performance of Electro Coagulation Technique for the Treatment of Dairy Waster Water in a Batch Process	International Journal of Science and Research	Volume 05, Issue 06.	--	June 2016	ISSN: 2319-7064	6.39	N	N	N
18.	Jayant S. Phale, Dr. Y. J. Chendake	Polysulfone Based UF Membrane Preparation by Phase Inversion : Parameter Optimization	International Journal of Science and Research	Volume 05, Issue 06.	pp: 2569-2573	June 2016	ISSN: 2319-7064	6.39	N	N	N
19.	Pravin R. Jedhe, Dr. Y. J. Chendake	Biogas-Renewable Energy Source: Optimization of Production and Application	International Research Journal of Engineering and Technology (IRJET)	Volume 03, Issue 06 .	pp.: 1-6	2016	ISSN: 2395-0056	4.5	N	N	N
20.	Pawan Mali, PrakashChavan	Vapor Liquid Equilibrium Data Genration for Actic Acid and P-Xyelene at Atmospheric Pressure.	International Journal of Chemical Sciences	Volume1 4, Issue 03.	pp: 01-09	2016	ISSN: 0972-768X	0.16	N	N	N
21.	Chougale, J.A., Bankar, S.B. , Chavan, P.V., Patravale, V.B., Singhal, R.S.	Supercritical carbon dioxide extraction of astaxanthin from Paracoccus NBRC 101723: Mathematical	<u>Separation Science and Technology</u>	Volume 51, Issue 13	Pp:2164-2173	April 2016	ISSN:0 149-6395	1.26	Y	Y	Y

		modelling study									
22.	P. Kherde, S. N. Shinde, M. Kulkarni,	Synthesis, characterization and conductivity studies of polypyrrole-expanded graphite composites, ,	Int Research Journal of Engineering and technology	Volume 3 issue 6	pp: 2530-2533	2016	e-ISSN: 2395 - 0056 p-ISSN: 2395-0072	4.45	N	N	Y