



Annexure – XX (a)

List of Research Publications during last five years

Summary of Research Publications July 2016 to June 2022

Sr. No	Name of Department	Research Publications				Total
		National Journal	International Journal	National Conference	International Conference	
10	Applied Science	3	18	1	5	28



Applied Science Department

No	Years	Research Publications				Total
		National Journal	International Journal	National Conference	International Conference	
1	2017-18	1	4	--	--	5
2	2018-19	1	3	1	3	8
3	2019-20	--	08	--	2	10
4	2020-21	1	1	-	1	3
5	2021-22	--	2	--	--	2
	Total	3	16	1	6	28

Research Publications July 2017 to June 2018

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	The Verb Phrase in English and Marathi: A Study in Markedness Differential Hypothesis	Jadhav, L. & Karekatti, T.	FORTELL/2019/ 38/2229-6557/69-80	National

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	The green hydrothermal synthesis of nanostructured Cu ₂ ZnSnSe ₄ as solar cell material and study of their structural, optical and morphological properties	Vanalakar S.A., Agawane G.L., Kamble A. S., Patil P.S., Kim J.H.	Applied Physics A, Vol. 123 (2017), Page No. 782	International
2	Thermo-Mechanical studies on Er ³⁺ -doped fluorophosphate glasses for near infrared lasers	Agawane G.L., Linganna K., In J.H., Park J., Choi J.H.	Ceramics International, Vol. 43 (2017) Page No. 11177-11181	International
3	Longer lifetime of Er ³⁺ /Yb ³⁺ co-doped fluorophosphate glasses for optical amplifier applications	Linganna K., Agawane G.L., Choi J.H.	Journal of Non-Crystalline Solids, Vo. 471 (2017) Page. No. 65-71	International



Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
4	The Acquisition of the Perfect Aspect in English by Engineering Students	Jadhav, L. & Karekatti, T.	Asian Journal of English Studies/2017/6(3)/ pp. 35-47	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
	Nil			

International Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
	Nil			

Research Publications July 2018 to June 2019

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	The Acquisition of the Perfect Progressive Construction in English by Management Students: A Study in Error Analysis	Jadhav, L. & Karekatti, T.	The Journal of English Language Teaching (JELT)/2017/LIX (6)/17-25	National

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Preparation of $Cu_2(Zn_{1-x}Mg_x)SnS_4$ thin films by pulsed laser deposition technique for solar cell applications	G.L. Agawane, S.A. Vanalakar, A.S. Kamble, A.V. Moholkar, J.H. Kim	Materials Science and Semiconductor Processing, Vol. 76 (2018) Page No. 50-54	International



Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
2	Spectroscopic properties of Er ³⁺ /Yb ³⁺ co-doped fluorophosphate glasses for NIR luminescence and optical temperature sensor applications	K. Linganna, G.L. Agawane, J.H. In, J. Park, J.H. Choi	Journal of Industrial and Engineering Chemistry, Vol. 67 (2018) Page No. 236-243	International
3	Preparation of Gallic Acid – Anhydride Conjugate and Evaluation of Prodrug Release Through Pva-Based Hydrogel.	Rahul R. Mahire, Deepika S. Agrawal, Devanand K. Patil and Dhananjay H. More.	Pharmaceutical Chemistry Journal; 2018, 52 (2): pp. 139-144	International

National Conferences				
Sr. No	Title of the Paper	Authors	Publication details/ Vol.No./ISSN No./Page No.	National/ International
1	Using Whatsapp to Teach English to the School Teachers in Rural India	Jadhav, L.	<i>Selected Papers from the 8th National Conference on 'Empowering Students of Bharat with English for Career Development'</i> , ELTIS/2019/978-81-922548-5-2 / pp.119-37.	National

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
1	Spectroscopic properties of Er ³⁺ /Yb ³⁺ co-doped fluorophosphate glasses for optical device applications	K. Linganna, G.L. Agawane, J.H. In, J. Park, J.H. Choi	International Society for Optics and Photonics, SPIE Optical Engineering + Applications, San Diego, California, United States. DOI: 10.1117/12.2320420.	International
2.		Mrs. Kshipra Moghe, Asst Prof and Mrs. Nandini	International conference on cognitive behavioural interventions (ICCBI 2018) at SGT University, Gurugram 27th-29th September 2018	



		Iyer, HoD		
3		Dr. G. L. Agawane, Assistant Professor	4th International conference on physics and materials and materials-based device fabrication (ICPM-MDF-2019) in Department of Physics, Shivaji University, Kolhapur 10th-11th January 2019	

Research Publications July 2019 to June 2020

International Conferences				
Sr. No	Title of the Paper	Authors	Publication Details /Vol. No. /ISSN No./Page No.	National/ International
1	"Teaching Accentual Patterns in English to Engineering Student"	Dr. Leena Jadhav, Adjunct Professor	Paper presentation on in 14th International Conference organised by ELTAI in Noida 9th-12th October 2019	International
2	"Effect of Expressive Writing on Math Anxiety of Engineering Students"	Dr. Kshipra Moghe, Assistant Professor	Oral paper presentation on in international conference organised by J C Bose University of Science and Technology in association with Society for Fusion of Science & Technology, Faridabad 6th-10th January 2020	

INTERNATIONAL JOURNALS				
Sr. No	Title of the Paper	Authors	Publication Details/Vol.No.	National/ International
1	Antineoplastic Activity of Alkylaminolapachol Analogues and their Copper Complexes against MDA-MB-231 Human Breast Cancer Cell Lines.	O. B. Pawar, K. V. Sanas, R. B. Patwardhan, S. A. Waghmode, M.Y. Khaladkar	Asian Journal of Chemistry 32(4):887-895 · March 2020 DOI:10.14233/ajchem.2020.22496	International
2	Effects of Temperature on Hydrocarbon Fractions Obtained by Catalytic Pyrolysis of Low-Density Polyethylene	Sangeetha Hanumant Ghamande, Nandini. V. Iyer, M. Y. Khaladkar, G. L. Agawane,	International Journal of Advanced Science and Technology Vol. 28, No. 19, (2019), pp. 1291- 1297. The ISSN 22076360, 20054238.	International



		J. A. Kher	Publisher: Science and Engineering Research	
3	Sequential Ionic Layer Adsorption Reaction Formation of LaVO ₄ -TiO ₂ Nanocomposites for Photocatalytic Water Treatment	Gylen Odling, Reshma Bhosale, Neil Robertson, Satish Ogale	Mater. Adv., 2020,1, 271-280	International
4	High emission cross-section Er ³⁺ -doped fluorophosphate glasses for active device application	G.L. Agawane, K. Linganna, J.H. In, J.H. Choi	Optik Vol. 198 (2020) pp. 163228;DOI:10.1016/j.jlleo.2019.163228	International
5	Effect of temperature on HDPE prepared by Catalytic Pyrolysis, FTIR analysis, and its applications	M. Ghamande, G.L. Agawane, N.V. Iyer, J.A. Kher	International Journal of Advanced Science and Technology; Vol. 28, No. 13, (2019), pp. 954-960. The ISSN 22076360, 20054238. Publisher: Science and Engineering Research	International
6	Effects of Temperature on Hydrocarbon Fractions Obtained by Catalytic Pyrolysis of Low-Density Polyethylene	S.H. Ghamande, N.V. Iyer, M.Y. Khaladkar, G.L. Agawane, J.A. Kher	International Journal of Advanced Science and Technology; Vol. 28, No. 19, (2019), pp. 1291- 1297. The ISSN 22076360, 20054238. Publisher: Science and Engineering Research	International
7	Zeolite and Aluminium catalytic thermolysis of HDPE: A study on the effect of temperature	S.H. Deshpande, G. L. Agawane, N.V Iyer, J.A. Kher	International Journal of Advanced Science and Technology; Vol. 29, No. 07, (2020), pp. 3664-3669. The ISSN 22076360, 20054238. Publisher: Science and Engineering Research	International
8	Effect of expressive writing on math anxiety of engineering students	Vikrant Jaltare, Kshipra Moghe	2020 IOP Conference Series: Material Science and Engineering, Vol 804- Issue 1, Article No. 012057. DOI: 10.1088/1757899X/804/1/012057	International



Research Publications July 2020 to June 2021

National Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	The Process of Triangulation of Trait Anxiety, Type of Personality & Adjustment	Tanuja Kher	Cosmos Multidisciplinary Research E-Journal -VOLUME VI ISSUE I ISSN 2456-1665. Pages- 13-24 Volume VI Issue I January 2021	National

International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	COVID-19 and Mental Health: A Study of its Impact on Students in Maharashtra, India	Kshipra Moghe, Disha Kotecha, Manjusha Patil	medRxiv, The preprint server for health sciences, 10.1101/2020.08.05.20160499	International
2	Stress symptoms among engineering students	Tanuja Kher	International Journal of Multidisciplinary Educational Research ISSN:2277-7881; Vol:5.16; ISI VALUE:2.286, January2021	International
3	Hydrothermal synthesis of mesoporous NiMnO ₃ nanostructures for supercapacitor application: Effect of electrolyte	SD Dhas, PS Maldar, MD Patil, GL Agawane, AV Moholkar	Journal of Energy Storage Vol. 35 page 102277 DOI: 10.1016/j.est.2021.102277	International

National Conference				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
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International Conference				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	Synthesis of Ternary oxides dielectrics Ba ₃ Ta ₂ ZnO ₉ (BZT), Ba ₃ Nb ₂ ZnO	M Y Khaladkar	3rd International Conference On Recent Trends in Engineering and Technology (Virtual Conference)	International



	9 (BZN) By Wet Chemical Route		
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Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
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International Journals				
Sr. No	Title of the Paper	Authors	Publication Details/ Vol.No./ISSN No./ Page No.	National/ International
1	A Computational Study of Molecular Mechanism of Chloroquine Resistance by Chloroquine Resistance Transporter Protein of Plasmodium falciparum via Molecular Modeling and Molecular Simulations	Chandan Patel, Dipankar Roy	Physchem Vol. 1(3) 232-242	International
2	The octanol-water partition coefficients of fluorinated drug molecules with continuum solvation models	Chandan Patel, Dipankar Roy	The Journal of Physical Chemistry A Accepted, In Press	International

National Conference				
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1	--			



International Conference				
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