



SCTR'S PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE-43

## Department of Basic Sciences and Engineering (F. Y. B. Tech.)

### RESEARCH PUBLICATIONS (last 5 Years)

Sr. No.	Name of the Teacher's/ Author	Title of the Paper	Name of the Journal/Proceeding/ Conference	Level (State / National / International)	Volume/ No / Issue	Pages	Year	ISBN/ISSN No.	Publisher
1	Mr. K. L. Bhoite	Study of The Rotary Pull Punch Multi-Seed Planter: A Review	Journal Of Technology	International	13	223-231	2023	1012-3407	Elsevier
2	Mr. K. L. Bhoite	Machine Learning Based Fluid-Transportation Monitoring and Controlling	International Journal on Recent and Innovation Trends in Computing and Communication	International	11	446-452	2023	2321-8169	Elsevier
3	A. N. Sayyad	A review on substitute piston engine combustion system with the help of homogeneous charge compression ignition theory using methyl alcohol and diesel fuel	The journal of Maharaja Sayajirav University of Baroda	State University	57	61 - 69	2023	0025-0422	Maharaja Sayajirav University of Baroda

4	Amol Ashok Chavan	Manufacturing and Machining performance Analysis of AlSiC5 MMC using soft computing Techniques	Journal of Propulsion Technology	International	44	206-224	2023	1001-4055	Elsevier
5	Amol Ashok Chavan	Multiresponce optimization AlSiC5 MMC using Integrated GRA ANFIS Approach	European Chemical Bulletin	International	12	8021-8046	2023	2063-5346	Elsevier
6	R. R. Vardhaman , K. R. Jadhav, P.D. Jadhav	A review on sustainable development of cement concrete through aggregates and creative materials	Journal of the Maharaja Sayajirao University of Baroda	State University	58	32-44	2024	0025-0422	Maharaja Sayajirav University of Baroda
7	S. T. Gawhale	Multispectroscopic and molecular docking studies of moxifloxacin embedded psulfonatocalix[6]arene an antibiotic drug complex, assessment of in-vitro cytotoxicity and antibacterial activity	Chemmedchem	International			2023		Elsevier
8	S. T. Gawhale	A green synthesized C-4-Hydroxy-3-methoxycalix [4]resorcin arene CHMPCR chemo sensor for efficient detection of permanganate ion in water	Journal of Molecular Structure	International			2023		Elsevier

9	Mr. N. A. Shete, Mr. R. R. Vardhaman	Cost Effective Improvement of Bituminous Pavement using Polymers, Poly-Phosphoric Acid, and Industrial Waste	International Journal of Engineering Research & Technology	International	Vol. 1 Issue 12	--	December 2022	ISSN: 2278-0181	IJERT
10	Dr. A. M. Deshmukh	Experimental Investigation And Performance Analysis Of Mist Spray Evaporative Cooler	International Conference on Computing in Mechanical Engineering	International	LNME – Chapter 29	--	23/09/2021	ISBN 978-981-19-6031-4  ISBN 978-981-19-6032-1 (eBook)	Department of mechanical Engineering , SCMS, Cochin
11	Dr. A. M. Deshmukh	Design and Development of an Adequate Ventilation System to Preserve Freshly Harvested Onions	Materials Today: Proceedings of Science Direct	International	<a href="#">Volume 72, Part 3</a>	--	23/09/2022	2214-7853/2023	--
12	Mrs. K. R. Jadhav	Quality Management of offshore Structures	International journal of Research and Analytical Reviews.	International	Journal no:43602	--	June 2022	E-ISSN: 2348-1269 P-ISSN: 112349-5138	IJRAR
13	Ms. A. N Sayyad, Mr. P. D Jadhav, Mr. R. R Vardhaman	Role of Energy Efficient Cookware in Maintaining Food Nutrients and their Effect on Early Childhood Development	International Journal of Early Childhood Special Education	International	Vol 14, Issue 03	9638 - 9642	2022	ISSN: 1308-5581	(INT-JECS)

14	Mr. S. D. Hade, Mr. H. M. Hiwase	Experimental and Numerical Analysis of Vertical Axis Wind Turbine	ADBU-Journal of Engineering Technology.	International	Volume 10, Issue-1	--	2021	ISSN:2348-7305	Assam Don Bosco University, Guwahati, India
15	Mr. S. V. Mundhe	Numerical and experimental investigations on performance evaluation of a conical offset vortex generator inserts to improve convective heat transfer coefficient.	Journal of Thermal Engineering	International	Vol 6, No. 5	858-872	2020	2148-7847	Yildiz Technical University Press, Istanbul, Turkey
16	Mr. S. V. Mundhe	Vortex Generator: An Effective way of Heat Transfer Enhancement for Circular Tube	Solid State Technology	International	Volume: 63 Issue: 5	67-78	2020	2148-7847	Solid state technology
17	Dr. S. T. Gawhale	Investigation of host-guest complexation of the ternary model: <i>p</i> -Sulfonatocalix[4]arene-fluorescein-M <sup>2+</sup>	<i>Polyhedron</i> 177, 1 February 2020, 114268.	International	177	114268	2020	<a href="https://doi.org/10.1016/j.poly.2020.114268">0277-5387</a>	<a href="https://www.elsevier.com">Elsevier</a>
18	Dr. S. T. Gawhale	The Investigation of Cooperative binding between <i>p</i> -sulfonatocalix[6]arene and fluorescein with transition metal ions by spectrometrically	J. of Chemical Science	International	132(16)	2-11	2020	0974-3626	Springer

19	Dr. S. T. Gawhale	pH Dependent Self-Assembly of Single-Pyrene-Armed Calix[4]arene: Modulation and Complexation with <i>p</i> -Sulfonatocalix[6]arene	<i>Chemistry Select</i>	International	2019(4),	8542-8549.	2019	<a href="#">2365-6549</a>	<a href="#">Wiley-VCH</a> on behalf of <a href="#">Chemistry Europe</a>
20	Dr. A. M. Deshmukh	Design, Development and Fabrication Of A Mist Spray Direct Evaporative Cooling System And Its Performance Evaluation	Journal of Thermal Engineering, Vol. 5,	International	Volume 5 No 1	42-50	2019	E-ISSN Number: 2148-7847	Yildiz Technical University Press, Istanbul, Turkey
21	Dr. A. M. Deshmukh	Performance Evaluation of Mist Spray Direct Evaporative Cooler Through Experimentation	IOSR Journal of Engineering (IOSR JEN)	International	Volume 2	41-47	2019	ISSN (e): 2250-3021, ISSN (p): 2278-8719	IOSR & IQSR Publisher
22	Dr. A. M. Deshmukh	Performance Evaluation of Mist Spray Direct Evaporative Cooler Through Experimentation And Its Comparison With Conventional Evaporative Cooler With Honeycomb Pad Arrangement.	International Journal of Mechanical and Production Engineering,	International	Volume-7, Issue-3,	4-9	Mar.-2019	ISSN(p): 2320-2092, ISSN(e): 2321-2071	Institute of Research and Journals.