

Research Publications, Books Published and Patents

1) International Journals

Sr. No.	Year of Publication	Name of the Author(s)	Title of Paper	Name of the Journal	ISSN	Volume & Issue	Web link / URL to Journal	Web link / URL to Paper	Is it Scopus Indexed / UGC-CARE Listed / WoS Indexed?	Research Gate Link of the Article
1	2022-23	A.B.Mane, Prof. Shankar. N. kadam	Mathematical Modelling of Response Parameters During Ultrasonic Assisted Electro-Discharge Machining Process	International Journal of Engineering Trends and Technology	2231-538		https://ijettjournal.org/archive/ijett-v7115p218			
2	2022-23	A.M.Pasarkar, A.B.Mane, A. A. Datarkar, N.Singh, N.N.Raut	A Review of fatigue behavior of resistance spot welds	Research on Engineering Structures & Materials	2148-9808		https://jresm.org/archive/vol9i1ss1.html			
3	2022-23	Dr. R. N. Patil	ECO-FRIENDLY ELECTRICITY GENERATION VIA GYM EQUIPMENTS	European Chemical Bulletin.	2063-5346		https://eurchembull.com/uploads/paper/f64b4d390fae903bc8c31fa2ac32e842.pdf			
4	2022-23	Dr. R.N.Patil,	ENHANCEMENT OF GRINDING PROCESS USING ZINC PHOSPHATE AS A LUBRICANT	Journal of Data Acquisition and Processing	1004-9037		http://sjeicyl.cn/article/view-2023/02_344.php			
5	2022-23	Dr. A. B. Mane	Process parameter improvement for NIT's electrical discharge Machining (EDM) process utilizing the TOPSIS	Research on Engineering Structures & Materials	2148-9807		https://jresm.org/archive/vol9i1ss1.html			
6	2021-22	Shankar. N. kadam	insight into advance self-healing composites,	Materials Research Express	2033-1591		https://iopscience.iop.org/article/10.1088/2053-1591/abfba5			
7	2018-19	Dr.R.N.Patil	PRIORITIZATION OF GREEN SUPPLY CHAIN INDICATORS WITH ANALYTIC HIERARCHY PROCESS (AHP) MODEL	International journal of mechanical engineering and technology (ijmet)	0976-6340		https://iaeme.com/MasterAdmin/Journal_uploads/IJMET/VOLUME_9_ISSUE_10/IJMET_09_10_148.pdf			
8	2018-19	Dr.R.N.Patil	RELATIVE RELIABILITY RISK INDEX FOR GREEN SUPPLY CHAIN MANAGEMENT	International journal of mechanical engineering and technology (ijmet)	0976-6340		https://iaeme.com/MasterAdmin/Journal_uploads/IJMET/VOLUME_9_ISSUE_13/IJMET_09_13_128.pdf			
9	2018-19	Dr.R.N.Patil	MODELING AND SIMULATION OF THERMOCLINE STORAGE FOR SOLAR THERMAL POWER PLANT	International journal of mechanical engineering and technology (ijmet)	0976-6340		https://iaeme.com/MasterAdmin/Journal_uploads/IJMET/VOLUME_9_ISSUE_13/IJMET_09_13_031.pdf			
10	2020-21	Mr. Shankar N. Kadam	Review of Multifunctional Self-Healing Nano Composites	GIS science journal	1869-9391		https://www.researchgate.net/publication/362532090_Review_of_Multifunctional_Self-Healing_Nano_Composites			
11	2019-20	Mr. Shankar N. Kadam	DESIGN AND MANUFACTURING OF MANUAL SEED PLANTING MACHINE	Global journal of engineering science and researches	2348-8034		https://www.researchgate.net/publication/362532247_GLOBAL_JOURNAL_OF_ENGINEERING_SCIENCE_AND_RESEARCHES_DESIGN_AND_MANUFACTURING_OF_MANUAL_SEED_PLANTING_MACHINE			
12	2019-20	Mr. Shankar N. Kadam	HYBRID DUAL AXIS SOLAR TRACKING (ALL WEATHER ENERGY GENERATION) SYSTEM	Global journal of engineering science and researches	2348-8034		https://www.researchgate.net/publication/362532251_GLOBAL_JOURNAL_OF_ENGINEERING_SCIENCE_AND_RESEARCHES_HYBRID_DUAL_AXIS_SOLAR_TRACKING_ALL_WEATHER_ENERGY_GENERATION			
13	2019-20	Mr. Shankar N. Kadam	MANUFACTURING OF AUTOMATIC FLOOR CLEANING MACHINE	Global journal of engineering science and researches	2348-8034		https://www.researchgate.net/publication/362532254_GLOBAL_JOURNAL_OF_ENGINEERING_SCIENCE_AND_RESEARCHES_MANUFACTURING_OF_AUTOMATIC_FLOOR_CLEANING_MACHINE			
14	2015-16	Mr. Shankar N. Kadam	Taguchi Method	International Journal of Scientific Research in Science, Engineering and Technology,	2395-1990		https://ijsrset.com/PDF.php?pid=1154&v=2&i=2&y=2016&m=March-April			
15	2014-15	Mr. Shankar N. Kadam	Experimental and Numerical Study of Glass Stack Standing Wave Thermoacoustic Refrigeration	international journal of mechanical engineering and technology	0976-6340		https://iaeme.com/Home/article_id/IJMET_06_05_005			
16	2014-15	Mr. Shankar N. Kadam	A taguchi approach for optimization of process parameters in thermoacoustic refrigeration	International Journal of Engineering Research and General Science	2091-2730		http://pnrsolution.org/Datacenter/Vol3/Issue3/220.pdf			

2) National Journals

Sr. No.	Calendar Year of Publication	Name of the Author (s)	Title of Paper	Name of the Journal	ISSN	Volume & Issue	Web link / URL to Journal	Web link / URL to Paper	Is it Scopus Indexed / UGC-CARE Listed / WoS Indexed?	Research Gate Link of the Article
1	2019-20	A.B.Mane, Sunilkumar Patil	Optimization of Surface Grinding Process Parameters using Taguchi Method	JAC : A Journal Of Composition Theory	0731-6755	Volume XIII, Issue V	https://jetjournal.com/volume-xiii-issue-5-2020	https://drive.google.com/file/d/1tWRR04e7T2dkGSYTK	UGC	
2	2018-19	Sunilkumar Patil	PLASTIC RECYCLING PLANT	GLOBAL JOURNAL OF ENGINEERING SCIENCE AND RESEARCHES	ISSN 2348 – 8034	VolumeI, Issue V	https://www.gjesr.com/November-2019.html		UGC	

3) International Conference Proceedings

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper / Proceedings	Name of the Conference	ISBN of the Proceedings	Web link / URL to Conference Proceedings / Paper (if any)
1	2023-24	Sunilkumar R Patil	AI-Enabled Predictive Analytics for Proactive Maintenance in IoT Systems	IEEE Xplor Conference Paper	979-8-3503-0448-0	https://ieeexplore.ieee.org/document/10398098

2	2022	Mr. Shankar N. Kadam	Simulation of Self-Healing Composite Material using ABACUS Software	International Conference on Innovative Trends in Engineering and Technology [ICIET-2022]	978-93-91535	http://proceeding.conferenceworld.in/ICIET-2022/41.pdf
3	2024	Mr. Shankar N. Kadam	Preparation methodology and characterization of Microcapsules for self healing composite materials	International Conference on "Interdisciplinary Research and Socio-Economic Development: A Convergence of Technology, Management and Social Sciences (IRSED' 24)	978-81-965034-9-9	https://www.researchedu.in/conferences/

4) National Conference Proceedings

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Title of Paper / Proceedings	Name of the Conference	ISBN of the Proceedings	Weblink / URL to Conference Proceedings / Paper (if any)
1	2022	Mr. Shankar N. Kadam	Parametric considerations and fabrication techniques in the study of self-healing composite materials	10th National Conference on Emerging Trends in Engineering and Technology		

5) Books/ Book Chapters Published

Sr. No.	Calendar Year of Publication	Name of the Author(s)	Name of the Book	Publisher	Level (University/ National/ International / Others)	ISBN of the book
1	2024	Mr. Shankar N. Kadam	Design and development of fire fighting robot	IIP Series	International	978-93-5747-860-1
2	2019	Amruta Mayur Pasarkar	Matlab Program	Amazon Kindle	International	9.78109E+12

6) Patents

Sr. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor /s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Grant	Assignee/s Name (Institute/Affiliation/s at time of Application)	Here, attach Source Proof
1	202221050467 A	Published	1. Dr. Rajendrakumar Narayan Patil 2)Dr. Jyoti Atul Dhanke 3)Megha Adhikrao Patil 4)Santosh Parashuram Patange 5)Sangram Chandrakant Patil 6)Atish Baburao Mane 7)Nilesh Singh 8)Avinash Datarakar	Advanced drone		4/9/2022	23/09/2022		BVCOE, Lavale, Pune	
2	202221050471	Published	1. Dr. Rajendrakumar Narayan Patil 2. Dr. Jyoti Atul Dhanke 3. Nilesh Raut 4. Parinita Jagannathrao Chate 5. Prashant Shivaji Kadam 6. Shankar Nivas Kadam 7. Avinash Baburao Mane	Mathematical modelling for design and development of smart street light system with air purifier		4/9/2022			BVCOE, Lavale, Pune	
3	202221035972A	Published	Prof. S. R. Patil, A.B. Mane, N. N. Raut, Dr. R. N. Patil, Dr. Jyoti Dhanke	Mobile Phone Battery Charge With Integrated Interface		22/6/2022	15/7/2022		BVCOE, Lavale, Pune	
4	202121020907A	Published	Prof. S. R. Patil, A.M Pasarkar, Dr. R. N. Patil, Dr. Jyoti Dhanke	Point to point regression analysis big data using machine learning		8/5/2021	11/6/2021		BVCOE, Lavale, Pune	
5	202121005225	Filled	Prof. Nagwase Subhash Yougira, Raut Nilesh N, Datarakar Avinash A, Kadam Shankar N, Mane Atish. B, Singh Nilesh	Synchronized adaptive side indicator and headlight system for automobile vehicle		8/2/2021			BVCOE, Lavale, Pune	
6	202021043347	Published	Prof. Nagwase Subhash Yougira, Raut Nilesh N, Datarakar Avinash A, Kadam Shankar N, Mane Atish. B, Singh Nilesh	Defrosted water level indicator with its removal technique		6/10/2020	6/10/2020		BVCOE, Lavale, Pune	
7	202021011206 A	Published	1) Dr. R.N. Patil 2)Prof. Jyoti dhanke 3)Mr. Tejas Upasani 4)Mr. Sanskar Rambhau Maske 5)Ms. Madhura	A table with grip carving for easy handling		16/03/2020	27/03/2020		BVCOE, Lavale, Pune	
8	202021011235 A	Published	1)Dr. R. N. Patil 2)Prasad Laxamn Wange 3)Dhananjay Sudhirrao Metangale 4)Ketaki Gajanan Chandankhede 5)Harshada Vinod Joshi 6)Dhanke Jyoti Atul	Easy to carry stool		16/03/2020	27/03/2020		BVCOE, Lavale, Pune	
9	201921037522 A	Granted	Prof. Pramod,Rahate Prof. Ajit Patil Prof. Atul Bhongale Prof. Shridhar Tambade	Sugarcane planter		18/09/2019			BVCOE, Lavale, Pune	
10	201821047350	Published	Prof. P. G. Rahate Prof.Shridhar Tambade, Prof.VishwanthKhapper, Prof. Kale	Variable charge biogas digester		14/12/2018			BVCOE, Lavale, Pune	
11	201821041498	Filled	Prof.Vishwanth Khapper,Prof. Mrs Jyoti Dhanke, Mr.Lokesh Yadav	Higher order engineering curve generation mechanism		11/2/2018			BVCOE, Lavale, Pune	
12	201821041500	Published	Prof.Dr.Nidhi Jain Prof.Mr.Vishwanth Khapper Mr. Saurabh Parmar TE Mechanical	A parabolic shaped gravity assisted water purifier with spiral tube filter		11/2/2018			BVCOE, Lavale, Pune	
13	201821041511	Published	Prof.Dr.Nidhi Jain, Prof.Mr.Vishwanth Khapper	Representation of properties of elements of a periodic table by crank and roller mechanism		11/2/2018			BVCOE, Lavale, Pune	
14	201821041479	Published	Mr Saurabh Parmar	Simplified Electromagnetic Reciprocating Piston Engine		11/2/2018			BVCOE, Lavale, Pune	
15	201821031726	Published	Prof.Vishwanth Khapper, Assistant Prof. Mrs.Jyoti Dhanke(, Mr Lokesh Yadav ,BE Mech Student	Drilled board slotted scale mechanism for calculating values of trigonometric and complex functions		24/08/2018			BVCOE, Lavale, Pune	
16	272651	Published	Prof.Dhiraj Dhondiram Shinde, Mr.Sudeep Nabhiraj Upadhe Mr.Avinash Shivajirao Chavan Mr.Satish Keru Mr.Raut	Pan For Making Jaggery		6/9/2015			BVCOE, Lavale, Pune	