



SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE

Constituent of Symbiosis International (Deemed University),
Pune

Department of Civil Department

Publication in year 2022-23

Open Access Publications 2022-23

Sr. No.	Year	Title	Authors	Journal	Volume	Issue	Page no.	Index	Quartile	SJR IF
1	Nov. 2022	Flexural Analysis of Thermally Loaded Symmetric Sandwich Beam	Dr.Sanjay Kantrao Kulkarni*, Yuwaraj Marotrao Ghugal,	Journal of the Serbian Society for Computational Mechanics	16	1	29 – 42	SCOPUS, WOS	Q4	0.16
2	July 2022	Detecting, extracting, and mapping of inland surface water using Landsat 8 Operational Land Imager: A case study of Pune district, India	Dr.VijaykumarJatti *, Rahul B. Dhabale, Akshansh Mishra, Mr.Vinaykumar Shivashankar Jatti, Ms.Ashwini Vijaykumar Jatti	F1000 Research	11	-	1 – 20	SCOPUS	Q1	.87
3	Oct. 2022	A Composite Permeable Sloping Seawall for Effective Energy Dissipation: A Quasi-Soft Alternative Solution for Shore Protection	Ms.Vaishnavi Vivek Dabir, Dr.Kanchan Chandrashekhar Khare *, Munireddy, M.G.	Journal of Marine Science and Engineering	10	10	1 – 21	SCOPUS, WOS(SCIE)	Q2	0.54
4	Sep. 2022	Perceiving the Suitability of Adopting Problem Based Learning Pedagogy for Technical Education Entrants	Ms.Vaishnavi Vivek Dabir, Anjali Kulkarni, Dr.Kanchan Chandrashekhar Khare	Journal of Engineering Education Transformations	36	1	33 - 39	SCOPUS	Q3	0.21
5	July 2022	An In Vitro and In Silico Perspective Study of Seed Priming with Zinc on the Phytotoxicity and Accumulation Pattern of Arsenic in	Choudhury, S., Moulick, D., Mazumder, M.K., Pattnaik, B.K., Ghosh, D., Vemireddy,L.R.,	Antioxidants	11	8	1500	SCOPUS, WOS (SCIE)	Q1	1.08



SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE

Constituent of Symbiosis International (Deemed University),
Pune

Sr. No.	Year	Title	Authors	Journal	Volume	Issue	Page no.	Index	Quartile	SJR IF
		Rice Seedlings	Aldhahrani, A., Soliman, M.M., Gaber, A., Hossain, A.							
6	Nov. 2022	AI driven safety checks for ladders used on construction sites.	Shalaka Hire, A Ranjan, K Ruikar, S Sandbhor	Construction	1101	9	-	Scopus (IOP Conference)	Conference	0.2
7	Aug. 2022	Soft Sensors for Urban Water Body Eutrophication Using two-layered Feedforward Neural Networks	Pritesh Shah, Rushikesh Kulkarni, Ravi Shekhar	IAENG International Journal of Computer Science	49	3		SCOPUS	Q3	0.32
8	Jan. 2023	Support Vector Regression Models of Stormwater Quality for a Mixed Urban Land Use	Ms.Mugdha Praveen Kshirsagar, Dr.Kanchan Chandrashekhar Khare *	Hydrology	10	3	1-7	SCOPUS, WOS (ESCI)	Q2	0.54
9	Jan. 2023	Correlation Analysis of the Experimental Data for In-Situ Chlorine Generation in Electrochlorination Process	Sapna Shinde, Sapna Shinde, Dr.Sayali Deepak Apte *	Journal of Environmental Engineering	149	4	1 – 16	SCOPUS, WOS	Q2	0.5
10	Feb. 2023	Machine learning approach for automated beach waste prediction and management system: A case study of Mumbai	Dr.Sayali Deepak Apte *, Dr.Sayali Shrikrishna Sandbhor, Mr.Rushikesh Prakashrao Kulkarni, Ms.Humera Khanum	Frontiers in Mechanical Engineering	9	1	1 – 11	SCOPUS, WOS (ESCI)	Q2	0.43
11	May 2023	Different Crop Leaf Disease Detection Using Convolutional Neural Network	Ashutosh Pawar, Mihir Singh, Swapnil Jadhav, Vidya Kumbhar, T. P. Singh Sahil K Shah	Agriculture	-	-	-	IOP Conference	Conference	Conference



SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE

Constituent of Symbiosis International (Deemed University),
Pune

Sr. No.	Year	Title	Authors	Journal	Volume	Issue	Page no.	Index	Quartile	SJR IF
12	Nov. 2022	Mechanical Properties of 3D-Printed Components Using Fused Deposition Modeling: Optimization Using the Desirability Approach and Machine Learning Regressor	Jatti V.S., Sapre M.S., Jatti A.V., Khedkar N.K., Jatti V.S.	Applied System Innovation	5	6	-	SCOPUS, WOS (ESCI)	Q2	0.63
13	Oct 2022	Machine Learning Based Predictive Modeling of Electrical Discharge Machining of Cryo-Treated NiTi, NiCu and BeCu Alloys	Jatti V.S., Dhabale R.B., Mishra A., Khedkar N.K., Jatti V.S., Jatti A.V.	Applied System Innovation	5	6	107	SCOPUS, WOS (ESCI)	Q2	0.63
14	Oct 2022	Implications of future climate change on crop and irrigation water requirements in a semi-arid river basin using CMIP6 GCMs	Karan K., Singh D., Singh P.K., Bharati B., Singh T.P., Berndtsson R.	Journal of Arid Land	14	11	1234-1257	SCOPUS	Q2	0.67
15	Oct 2022	Investigating the effect of cryogenic treatment of workpieces and tools on electrical discharge machining performance	Jatti V.S., Khedkar N.K., Jatti V.S., Dhall P.	AIMS Materials Science	9	6	835-862	SCOPUS, WOS (ESCI)	Q3	0.42



SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE

Constituent of Symbiosis International (Deemed University),
Pune

Subscription Publications in AY 2022-23

Sr. No.	Year	Title	Authors	Journal	Volume	Issue	Page no.	Index	Quartile	SJR IF
16	Nov. 2022	Patent insights on crack healing concrete	Dr.VijaykumarJatti, Mr. Mandar Sadanand Sapre *, Ms.Ashwini Vijaykumar Jatti, Dr.NitinKeshaorao Khedkar	International Journal of Intellectual Property Management	12	4	509 – 528	SCOPUS	Q2	0.21
17	Oct. 2022	Laboratory experiments for devising a hybrid seawall	Ms.Vaishnavi Vivek Dabir *, Dr.Kanchan Chandrashekhar Khare	Science and Technology Asia	NA	NA	NA	SCOPUS	Q3	0.15
18	Dec. 2022	Chromium dynamics in soil-plant system	Pattnaik, B.K., Sahu, C.	Response of Field Crops to Abiotic Stress: Current Status and Future Prospects	55	NA ₆₅	55	Book chapter	NA	NA
19	Feb. 2023	Effect of low-density polyethylene, polyvinyl chloride, and high-density polyethylene micro-plastic contamination on the index and engineering properties of clayey soil- an experimental study	Sangita Dike, Dr.Sayali Deepak Apte *, Ms.Vaishnavi Vivek Dabir	Environmental Research	115016	1	1 – 15	SCOPUS, WOS (SCIE)	Q1	1.64
20	April 2023	Flexural response of cross ply laminated beams subjected to combined thermal and transverse mechanical loads	Dr.Sanjay Kantrao Kulkarni*, Yuwaraj M. Ghugal, Rahul D. Borate	Acta Mechanica	234	1	3725-3735	SCOPUS, WOS	Q2	0.6



SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE

Constituent of Symbiosis International (Deemed University),
Pune

Sr. No.	Year	Title	Authors	Journal	Volume	Issue	Page no.	Index	Quartile	SJR IF
21	July 2022	Semantic segmentation of 3D LiDAR data using deep learning: a review of projection-based methods	Jhaldiyal, A., Chaudhary, N.	Applied Intelligence	53	6	6844-6855	SCOPUS, WOS (SCI, SCIE)	Q2	1.15
22	March 2023	Agricultural Field Boundary Delineation Using Deep Learning Techniques	Arbaz Sayed, Vidya Kumbhar, Swapnil Jadhav Sahil K Shah	Agriculture	-	-	-	Scopus (International Conference)	Conference	Conference
23	Sep. 2023	Electro-chlorination Technology for Disinfection of Drinking Water: A Patent Landscape	Sapna Shinde, Sapna Shinde, Dr. Sayali Deepak Apte *, Dr Amit Tiwari,	Recent Patents on Engineering			-	SCOPUS	Q4	0.16
24	Jan 2023	Synthesis and Characterization of Hybrid Polymer Composite: An Experimental Approach	Gulia V., Jatti S.V., Jatti V.S., Maheshwari S., Solke N.S.	E3S Web of Conferences			455	SCOPUS conference	Conference	0.18
25	June 2023	Machine Learning Methods for Crop Yield Prediction	Hukare V., Kumbhar V., Shah S.K.	Communications in Computer and Information Science	1866 CCIS		195-209	SCOPUS conference	Conference	NA
26	June 2023	Modelling Pollutant Build-up of Fines for a Peri-Urban Region: A Case Study of Pune Metropolitan City, India	Kshirsagar M., Khare K.	International Journal of Engineering Trends and Technology	71	6	310-319	SCOPUS	Q4	0.16



SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE

Constituent of Symbiosis International (Deemed University),
Pune

Sr. No.	Year	Title	Authors	Journal	Volume	Issue	Page no.	Index	Quartile	SJR IF
27	April 2023	AI and BIM-based Construction defects, rework, and waste optimization	Desai P., Sandbhor S., Kaushik A.	2023 International Conference on Emerging Smart Computing and Informatics, ESCI 2023	NA	NA	NA	SCOPUS conference	Conference	Conference
28	March 2023	Laboratory Experiments for Devising a Hybrid Seawall	Dabir V., Khare K.	Science and Technology Asia	28	1	136-151	SCOPUS	Q3	0.15
29	March 2023	Friction Stir Welding of Dissimilar Materials with Reinforcement of Copper Particulates	Dhabale R.B., Jatti V.S., Khedkar N.K., Jatti V.S.	Key Engineering Materials	941		3-10	SCOPUS	Q4	0.17
30	Feb 2023	Finite element simulation of electric discharge machining process during machining of NiTi, NiCu and BeCu alloys	Jatti V.S., Khedkar N.K., V Jatti A., Jatti V.S.	Materials Today: Proceedings	-	-	-	SCOPUS	Q2	0.45
31	Oct 2022	Zero liquid discharge technology for recovery, reuse, and reclamation of wastewater: A critical review	Date M., Patyal V., Jaspal D., Malviya A., Khare K.	Journal of Water Process Engineering	49	1	1	SCOPUS, ESCI	Q1	1.14
32	Jan 2023	A Retrospective Cohort Study on Ambient Air Quality and Respiratory Morbidities	Tikhe S.S., Khare K.	Springer Climate	-	-	677-699	SCOPUS	Q4	0.12



॥सत्यमेव जयते॥

SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE

**Constituent of Symbiosis International (Deemed University),
Pune**

Summary

Sr. no.	Quartile	Total count of papers (25)	Conference	Book chapter
1	Q1	4	6	1
2	Q2	11		
3	Q3	5		
4	Q4	5		



**SYMBIOSIS INSTITUTE OF TECHNOLOGY,
PUNE**
**Constituent of Symbiosis International (Deemed University),
Pune**