

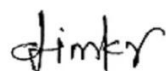
	Sanjivani Rural Education Society's SANJIVANI COLLEGE OF ENGINEERING (An Autonomous Institution) Kopargaon – 423 603, Maharashtra.	ACAD-F-29
Assessment Period: 2022-2023	Number of Peer Reviewed Journal Papers Published	Revision : 00 Dated : _____
Department : Civil Engineering		Date of Preparation : 27/11/2025

Faculty Publications: A. Y. 2022-23

Sr.No.	Name of the faculty	Title of the article	Journal Name	Vol.	Issue	PP.	Year	DOI/Link
01.	Paithankar, D.N., Pabale, A.R., Kolhe, R.V., William, P., and Yawalkar, P.M.	Framework for implementing air quality monitoring system using LPWA-based IoT technique	Measurement: Sensors	26	100709	1-6	2023	https://doi.10.1016/j.measen.2023.100709
02.	Jejurkar, C.L., Wani, P.C., Shirke, P.S., Jagtap, P.N. and Gade, S.P.	Comparative Study of Infiltration Characteristics	International Journal of Innovative Research in Technology	10	1	421-424	2023	https://ijirt.org/publicshedpaper/IJIRT160380_PAPER.pdf
03.	Pabale, A., Paithankar, D., Shinde, J.G., Pol, G.J., Madhav, A.R., and Ramaganesh, M.	Challenges of Energy and Environmental Sustainability	Neuro Quantology	20	11	1137-1147	2022	https://doi.org/10.14704/nq.2022.20.11.NQ66109
04.	Kolhe, R., Paithankar, D., and Kolhe, K	A Review of Computational Intelligence Techniques for Rainfall Prediction	Neuro Quantology	20	11	1182-1191	2022	https://doi.org/10.14704/nq.2022.20.11.NQ66113

05.	Yawalkar, P.M., Paithankar, D.N., Pabale, A.R., Kolhe, R.V. and William. P.	Integrated identity and auditing management using block chain mechanism	Measurement: Sensor	27	6	Article 100732.	2023	https://doi.org/10.1016/j.measen.2023.100732 .
06.	Kolhe, R.V., William, P., Yawalkar, P.M., Paithankar, D.N., and Pabale, A.R.	Smart city implementation based on Internet of Things integrated with optimization technology	Measurement: Sensor	27	6	Article 100789	2023	https://doi.org/10.1016/j.measen.2023.100789
07.	Ali Alnujaie, Atteshamuddin S. Sayyad, Lazreg Hadji and Abdelouahed Tounsi	Buckling and free vibration analysis of multi-directional functionally graded sandwich plates	Structural Engineering and Mechanics Techno-Press	84	6	813-822	25/12/2022	https://doi.org/10.12989/sem.2022.84.6.813
08.	Ajim S Shaikh Dr A. S. Sayyad	Static and free vibration analysis of sandwich shells with double curvature considering the effects of transverse normal strain	Mechanics of Advanced Materials and Structures	31	25	6489-6500	5 /7/2023	https://doi.org/10.1080/15376494.2023.2231458
09.	Sayyad, Atteshamuddin S. ; Shinde, Bharti M. ; Kant, Tarun	Effect of Transverse Normal Stress on the Hygrothermomechanical Analysis of Laminated Shallow Shells	American Institute of Aeronautics and Astronautics (AIAA)Journal	61	5	2281-2298	May 2023	https://doi.org/10.2514/1.J062169
10.	Atteshamuddin S. Sayyad , Yuwaraj M. Ghugal , Tarun Kant	Higher-order static and free vibration analysis of doubly curved FGM sandwich shallow shells	Forces in Mechanics	11	-	Article 100194	1/5/2023	https://doi.org/10.1016/j.finmec.2023.100194
11.	Atteshamuddin S Sayyad, Bharti M Shinde, Tarun Kant	Hygro-thermo- mechanical analysis of sandwich shallow shells considering the effects of transverse normal strain	Journal of Thermal Stresses	46	7	639-671	3/5/2023	https://doi.org/10.1080/01495739.2023.2206444

12	Atteshamuddin Shamshuddin Sayyad, Shailesh P. Palekar, Bharti M. Shinde	Higher order computational model considering the effects of transverse normal strain and 2-D parameter elastic foundation for the bending of laminated panels	Applied and Computational Mechanics	17	1	53-70	12/6/2023	https://doi.org/10.24132/acm.2023.808
13	Sunil Yadav, Somnath Damse, Sandeep Pendhari, Keshav Sangle, Atteshamuddin S Sayyad	Comparative studies between Semi-analytical and shear deformation theories for functionally graded beam under bending	Forces in Mechanics	8	-	Article 100111	1/8/2022	https://doi.org/10.1016/j.finmec.2022.100111
14	Atteshamuddin S Sayyad, Yuwaraj M Ghugal, Tarun Kant	Flexural mode, thickness-shear mode and thickness-twist mode frequencies of laminated composite shells of double curvature	Composite Structures	291	-	Article 115577	1/7/2022	https://doi.org/10.1016/j.compstruct.2022.115577
15	Atteshamuddin S Sayyad, Pravin V Avhad, Shailesh P Palekar	Free Vibration Analysis of Anti-Symmetric FGM Sandwich Circular Beams Using a Fifth-Order Circular Beam Theory	Romanian Journal of Acoustics and Vibration	19	2	164-174	20/3/2023	https://rjav.sra.ro/index.php/rjav/article/view/328/146



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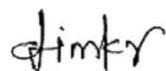
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Assessment Period: 2022-2023	Number of Peer Reviewed Conference Papers Published	Revision : 00 Dated : _____
Department : Civil Engineering		Date of Preparation : 27/11/2025

Number of Peer Reviewed Conference Papers Published – Academic Year 2022-23

Sr.No.	Name of the faculty	Title of the article	Conference Name	Year
1	Darandale, G.R., Jadhav, M.V., Warade, A.R. and Hakke, V.S.	Hydrodynamic cavitation a novel approach in wastewater treatment: A review https://doi.org/10.1016/j.matpr.2022.12.075	Materials Today: Proceedings Vol.77 part 3, pp.960-968	2023
2	Gunjal. S.M., Turkane, S.D., Patankar, S.V., and Kondraivendhan, B. (2023)	Effect of magnesium sulphate and sulphuric acid attack on limestone calcined clay cement concrete https://doi.org/10.1016/j.mATPR.2023.03.488	Materials Today: Proceedings Article in press	30/03/2023
3	Ajim S Shaikh Dr A. S. Sayyad	Static and free vibration analysis of laminated sandwich shells with double curvature considering the effects of transverse normal strain https://doi.org/10.21741/9781644902592-6	Advanced Topics in Mechanics of Materials, Structures and Construction - AToMech1-2023 Materials Research Proceedings 31 Vol.36, pp.46-54	10/08/2023

4	Rupali B. Tamnar Atteshamuddin S. Sayyad	Static response of functionally graded porous spherical shells using trigonometric shear deformation theory https://doi.org/10.21741/9781644902592-9	Advanced Topics in Mechanics of Materials, Structures and Construction - AToMech1-2023 Materials Research Proceedings 31 Vol.36, pp.76-85	01/09/2023
5	Sumit S Kolapkar Atteshamuddin S. Sayyad	Static response of FMG shells using refined higher-order shear and normal deformation theory https://doi.org/10.21741/9781644902592-13	Advanced Topics in Mechanics of Materials, Structures and Construction - AToMech1-2023 Materials Research Proceedings 31 Vol.36, pp.117-127	10/08/2023
6	Anuja S Jape Atteshamuddin S. Sayyad	Static analysis of cross-ply laminated spherical shells using a new hyperbolic shear deformation theory https://doi.org/10.21741/9781644902592-76	Advanced Topics in Mechanics of Materials, Structures and Construction - AToMech1-2023 Materials Research Proceedings 31 Vol.36, pp.745-754	10/08/2023
7	Teggi, S.G., and Sairam, V	Applications of Natrojarosite in Civil Engineering – an overview ISBN 978-93-92811-04-3 , pp. 264-269	Proceedings of the second National Conference on Special Concrete conducted at VIT, Vellore on 23 rd -24 th March, 2023. NSC-2023	2023
8	Sairam, V., Petare, K.D., Mahajan, V.M., and Dande, M.M.	A study on effectiveness of graphene oxide on cement mortar incorporating with silica fume ISBN 978-93-92811-04-3, pp. 270-278	Proceedings of the second National Conference on Special Concrete conducted at VIT, Vellore on 23 rd -24 th March, 2023. NSC-2023	2023

9	William, P., Paithankar, D.N., Yawalkar, P.M., Korde, S.K., and Pabale, A.R.	Divination of Air Quality Assessment using Ensembling Machine Learning Approach https://doi.org/10.1109/ICECONF57129.2023 .	International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF)	2023
10	Deshpande, A.V., and Jejurkar, C.L	Bioremediation of sugar mill effluent by using fungal isolate for waste water treatment	International Conference on Integrated Water Resources Management – Prospects and Challenges (ICIWRM-2022)	2022
11	Chaudhari, V.S., Sridhar, N., Thenmozhi, S., Deshmukh, M.A., Rajpradeesh, T., and Hariharan, M.	Investigate the causes of road traffic and parameter identification using SPSS	3 rd International Conference on Sustainable Energy, Environment and Green Technologies (ICSEEGT 2023)	2023



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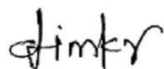
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	Sanjivani Rural Education Society's SANJIVANI COLLEGE OF ENGINEERING (An Autonomous Institution) Kopergaon – 423 603, Maharashtra.	ACAD-F-29
Assessment Period: 2022-2023	Number of Books/Book Chapters Published	Revision: 00 Dated: _____
Department: Civil Engineering		Date of Preparation : 27/11/2025

Number of Books/Book Chapters Published – Academic Year 2022-23

Sr.No.	Name of the faculty	Title of the article	Book Chapters Name	Year
01.	Sasane, V.V., and Kote, A.S.	Development of Multiple Linear Regression Model for Heavy Metal Prediction Around Eklahare Thermal Power Plant, Nashik, Maharashtra https://doi.org/10.1007/978-3-031-095551-1_6	Water Science and Technology Library (WSTL), Groundwater and Water Quality Vol.119, pp.83-91	2022
02	Apurva D. Yewale, Dr S. V. Patankar	Performance of GGBS and SBA in Compressed Stabilized Earth Blocks https://doi.org/10.1007/978-981-19-8979-7_21	Fiber Reinforced Polymeric Materials and Sustainable Structures Part of the book series: Composites Science and Technology (CST) Online ISBN 978-981-19-8979-7, pp. 257–267	26/02/2023

03	Paithankar, D.N., and Kumar, S.R.	Greywater Reuse and Treatment Methods for Quality Improvement: A Review https://doi.org/10.1007/978-981-16-9523-0_37	Advances in Manufacturing Technology and Management in Lecture Notes in Mechanical Engineering (LNME) Online ISBN 978-981-16-9523-0, pp. 328-338	2022
4	Bharti M Shinde , Atteshamuddin S Sayyad	Bending analysis of laminated composite cylindrical shell using fifth order shear deformation theory https://doi.org/10.1007/978-981-19-8979-7_19	Fiber Reinforced Polymeric Materials and Sustainable Structures Part of the book series: Composites Science and Technology (CST) Online ISBN 978-981-19-8979-7, pp. 235-242	26/02/2023



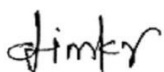
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	Sanjivani Rural Education Society's SANJIVANI COLLEGE OF ENGINEERING (An Autonomous Institution) Kopergaon - 423 603, Maharashtra.
Academic Year 2022-2023	Department: Civil Engineering
Patents Granted/Published	

Sr.No.	Name of faculty/student	Title of the patent	Granted/ published Date	Design No/ Serial No
01.	Dr M. V. Jadhav	Combined Equipment of Oven and Muffle Furnace	Granted 13.07.2022	335638-001. SN-115933
02.	Dr C. L. Jejurkar	Brick Mould	Granted 16.12.2022	348766-001. SN-120342
03.	Prof. R.V.Kolhe	Foldable Multipurpose Rest	Granted 31.02.2023	343741-001. SN-132277
04.	Prof. R.V.Kolhe	Automatic Electronic Waste Segregation System	Granted 24.05.2023	381240-001. SN-137526
05.	Prof. R.V.Kolhe	Smart Sprinkler with Water Meter For Irrigation	Granted 31.05.2023	382735-001. SN-138350
06.	Prof. K. D. Petare	Water Closet	Granted 07.06.2023	352029-001. SN-138942



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