

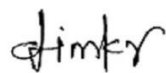
	Sanjivani Rural Education Society's SANJIVANI COLLEGE OF ENGINEERING (An Autonomous Institution) Kopargaon – 423 603, Maharashtra.	ACAD-F-29
Assessment Period: 2023-2024	Number of Peer-Reviewed Journal Papers Published	Revision : 00 Dated : _____
Department : Civil Engineering		Date of Preparation : 27/11/2025

Faculty Publications: A. Y. 2023-24

Sr No.	Name of the Faculty	Paper Title	Journal Name	Venue/ Vol. & Issue No.	Page No (from-to)	Month and Year of publication	DOI/Link
1	Jadhav, A.S., and Jadhav, M.V	Adsorption of Fluoride from Water: A Review on Novel Adsorbents Used for Defluoridation, Regeneration and Field Application	Indian Journal of Environmental Protection	Vol. 44, No. 4	311-325	April 2024	https://www.e-ijep.co.in/44-4-311-325/
2	Ghogare,A.V., Aher, N.B., Kumar, C.L.M., Dohare, D., Anusri, M., Maheswari, U., and Navaneethan, K.S	Influence of Steel Chips on the Mechanical and Thermal Properties of Concrete	European Chemical Bulletin, Section A	Vol.12	7752-7763	August 2023	
3	Ghogare,A.V., and Kondraivendhan, B.	The Behavior of RC Concrete Specimens Wrapped by Ferrocement Composites	The Indian Concrete Journal	Vol. 97, No. 12	30-36	Dec. 2023	

4	Sayyad, A.S., Mahajan, V.M. and Shinde, B.M.	Effects of transverse normal strain on the deformation of laminated and sandwich arches under the action of concentrated force	Mechanics of Advanced Materials and Structures	Vol. 31, No. 25	6339-6348	July 2023	https://doi.org/10.1080/15376494.2023.2229825
5	Pabale, A.R., Kolhe, R.V., William, P., Deshpande, N., Paithankar, D.N., and Yawalkar, P.M.	Smart Crack Detection System Using Nanostructured Materials with Integrated Optimization Technology	Journal of Nano-And Electronic Physics	Vol. 15, No. 4	04019-1-04019-5	August 2023	https://doi.org/10.21272/jnep.15(4).04019
6	William, P., Yawalkar, P.M., Paithankar, D.N., Pabale, A.R., Kolhe, R.V., and Deshpande, N.	Green Synthesis Methods of Nanostructures for Environmental and Biomedical Applications	Journal of Nano-and Electronic Physics	Vol. 15, No. 4	04010-1-04010-6	August 2023	https://doi.org/10.21272/jnep.15(4).04010
7	Atteshamuddin S. Sayyad, Lazreg Hadji, Abdelouahed Tounsi	On the Mechanics of FG Nanobeams: A review with numerical analysis	Forces in Mechanics	Volume12	Article 100219	August 2023	https://doi.org/10.1016/j.finmec.2023.100219
8	Swapnil M Shete, Deepak N Paithankar, Prafulla D Dushing	Enhancing Bituminous Concrete Mixes with Bio-Gas Plant Sludge: A Sustainable Approach to Road Construction	SAMRIDDHI: A Journal of Physical Sciences, Engineering and Technology	Volume 16 Issue 01	41-47	April 2024	https://smsjournals.com/index.php/SAMRIDDHI/article/view/3201
9	Apurwa Dadarao Yawale, Subhash Vasantrao Patankar	Effect of different mix compositions on compressed stabilized earth block strength	International Journal of Geological and Geotechnical Engineering	Volume: 10 Issue: 1	33-43	June 2024	https://doi.org/10.37628/IJGGE

10	Rupali B Tamnar, Atteshamuddin S Sayyad	A refined shell theory considering the effects of transverse normal strain for the analysis of functionally graded porous shallow shells with double curvature	Mechanics of Advanced Materials and Structures	Vol.32 Issue 6.	1258- 1274	June 2024	https://doi.org/10.1080/15376494.2024.2361462
11	Latifa Ould Larbi, Mohamed Saad, Nafissa Zouatnia, Lazreg Hadji, Atteshamuddin S Sayyad	A simple refined plate theory for buckling problems of in-plane bi-directional functionally graded plates with porosity under various boundary conditions	Mechanics of Advanced Materials and Structures	Volume 32 Issue 3	403-412	May 2024	https://doi.org/10.1080/15376494.2024.2346946
12	Ajim S Shaikh, Atteshamuddin 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	Volume 31 Issue 25	6489- 6500	July 2023	https://doi.org/10.1080/15376494.2023.2231458
13	Shailesh P Palekar, Atteshamuddin S Sayyad, Prasad M Patare, Achchhe Lal	Probabilistic fracture analysis of double-edge cracked orthotropic laminated plates using the stochastic extended finite element method	Forces in Mechanics	Volume 14	Article 100257	Feb. 2024	https://doi.org/10.1016/j.finmec.2024.100257
14	Atteshamuddin S Sayyad, Ramiz Anis Sayyad	A review of research on fiber-reinforced concrete	Journal of Materials and Engineering Structures	Volume 10 Issue 4	581-599	Dec. 2023	https://revue.ummto.dz/index.php/JMES/article/viewFile/3237/pdf
15	Anuja S Jape, Atteshamuddin S Sayyad	A hyperbolic theory for the analysis of laminated shallow shells with double curvature	Forces in Mechanics	-	Article 100246	Nov. 2023	https://doi.org/10.1016/j.finmec.2023.100246



Prof. C. R. Limkar
Sign. of Department Coordinator



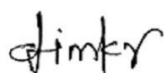
Dr A. S. Sayyad
Head of Department

	Sanjivani Rural Education Society's SANJIVANI COLLEGE OF ENGINEERING (An Autonomous Institution) Kopargaon – 423 603, Maharashtra.	ACAD-F-29
Assessment Period: 2023-2024	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 2023-24

Sr No.	Name of the Faculty	Paper Title	Conference/ Journal Name	Month and Year of publication
1	Kurhade, S., Patankar.S.V., Rupwate	Effect of Fineness and Quantity of Fly Ash on Properties of Geopolymer Concrete https://doi.org/10.1063/5.0202290	International Conference on Innovation in Mechanical and Civil Engineering (i-MACE 2022) 26–27 August 2022 Pune, India. Vol. 3013, No. 1, 030001 AIP Conference Proceedings	21/3/2024
2	Paithankar, D.N., Kumar, S.R.	Artificial Intelligent Based Assessment of Greywater Treatment Using Filters with Dynamic Systems 10.1109/IC3I59117.2023.10397761	6th International Conference on Contemporary Computing and Informatics (IC3I) Vol. 6, pp.1834-1842 Publisher IEEE	26/01/2024
3	Kurhade, S.D., Patankar, S.V.	Effect of water-to-binder (W/B) ratio and various zones of river sand on properties of geopolymer concrete https://doi.org/10.1016/j.matpr.2023.07.162	Materials Today: Proceeding	25/7/2023

4	Paithankar, D., Sharma, A., Thenmozhi, S., Ramkete, P., Dhanalakshmi, A., and Sivakumar, S.	Influence of glass powder silica fume and scrapped ceramic waste on the mechanical properties of concrete https://doi.org/10.1016/j.matpr.2023.08.213	Materials Today: Proceeding	19/07/2023
5	Pabale, A.R. and Jadhav, M.V	Comparative investigation using distillery waste in concrete as partial replacement to potable water	International conference (NESDRi-2023) of Numerical Methods and Experimental Techniques for Sustainable and Disaster Resilient Infrastructure	8 th -9 th September-2023
6	Mahajan, V.M., Paithankar, D.N., Sairam, V., and Sharma, A.	A mechanical impedance method for structural health monitoring using piezoelectric materials	International conference (NESDRi-2023) of Numerical Methods and Experimental Techniques for Sustainable and Disaster Resilient Infrastructure	8 th -9 th September-2023
7	Sairam, V., Mahajan, V.M., and Ghumare, S.M.	Fly ash based Geopolymer mortar with pumice aggregate replacement	International conference (NESDRi-2023) of Numerical Methods and Experimental Techniques for Sustainable and Disaster Resilient Infrastructure	8 th -9 th September-2023
8	Kolhe, R.V., and Mahajan, V.M.	An experimental investigation on black cotton soil stabilization with geogrid and cement for road construction	International conference (NESDRi-2023) of Numerical Methods and Experimental Techniques for Sustainable and Disaster Resilient Infrastructure	8 th -9 th September-2023
9	Patankar A. S., Sayyad A. S, Patankar S. V.	Retrofitting of columns with Ferrocement: A reinforcement technique to enhance structural performance	7th National Convention - New Horizons in Ferrocement, Pune, India.	24-26 November, 2023.
10	S. V. Patankar, K. K. Sundaram, Shraddha Pujari, Amruta Kutal, Dhanashri Dupargude, Chaitrali Jadhav, Diksha Bhalke	Suitability of Ferrocement tiles under thermal effect for substituting metal domes in furnace application.	7th National Convention - New Horizons in Ferrocement, Pune, India.	24-26 November, 2023.



Prof. C. R. Limkar
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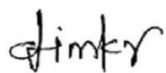


Dr. A. S. Sayyad
Head of Department

	Sanjivani Rural Education Society's SANJIVANI COLLEGE OF ENGINEERING (An Autonomous Institution) Kopargaon – 423 603, Maharashtra.
Academic Year 2023-2024	Department: Civil Engineering
Patents Granted/Published	

Sr.No.	Name of Faculty	Title of the Patent	Granted/ Published Date	Design No/ Serial No
1.	Prof S.R.Nawale	Amendable Cross Staff	Granted 12.09.2023	388106-001. SN-143675
2.	Swapnil M Shete	Lightning Levelling Staff with Night Visibility	Granted 05.01.2024	398961-001. SN-152264
3.	Swapnil M Shete	Unmount Surveyor Pod	Granted 05.01.2024	398656-001. SN-152411
4.	Swapnil M Shete	Tripod Stand	Granted 28.02.2024	398652-001. SN-158576
5.	Prof A.V.Ghogare	Autonomous Wheelchair	Granted 15.03.2024	391796-001. SN-160393
6.	Dr.V.S.Chaudhari	Integrated Freezer and Incubator Equipment	Granted 23.02.2024	397450-001. SN-158251
7.	Dr.V.S.Chaudhari	Water Pollution Source Locating Device	Granted 04.04.2024	402309-001. SN-162672
8.	Dr.S.V. Patankar	Tri-Leg Y Section	Granted 10.04.2024	398678-001. SN-164111
9.	Prof. R.V.Kolhe	Solar-wind Hybrid Street Lighting System	Granted 10.04.2024	401516-001. SN-163936
10.	Prof. R.V.Kolhe	Oriented Theodolite	Granted 15.04.2024	398921-001. SN-164473
11.	Prof. R.V.Kolhe	Open Pro-Cross Staff	Granted 15.04.2024	401569-001. SN-164471
12.	Prof. R.V.Kolhe	Simple Jacking System For An Automobile	Granted 15.04.2024	400900-001. SN-164472
13.	Dr.S.M.Ghumare	Bricks with “V” Groove	Granted 25.04.2024	365042-001. SN-165832

14.	Prof. R.V.Kolhe	Modified Vernier 20'' Theodolite	Granted 02.05.2024	397915-001. SN-167652
15.	Prof K.D.Petare	Commode with foot rest	Granted 02.05.2024	409961-001. SN-167557
16.	Prof. R.V.Kolhe	Sofa with a built-in air conditioning system	Granted 02.05.2024	409963-001. SN-167258
17.	Dr.A.V.Deshpande	Precision Planter	Granted 10.05.2024	411934-001. SN-169094
18.	Dr V.M.Mahajan	Agriliftmax	Granted 17.05.2024	411437-001. SN-170351
19.	Swapnil Machindra Shete	Hand Stand For Nautical Sextant	Granted 05.06.2024	406257-001. SN-171579
20.	Prof. R.V.Kolhe	Smart Dripper With Water Meter For Irrigation	Granted 07.06.2024	408285-001. SN-172561
21.	Apurwa Dadaro Yawale	Hand-Operated Press Machine Of Compressed Stabilised Earth Block	Granted 13.06.2024	359756-001. SN-172600
22.	Prof A.V.Ghogare	A Portable Plant Disease Detection Device	Granted 17.07.2023	6295235



Prof. C. R. Limkar
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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: 2025-2026	Consultancy Work	Revision : 00 Dated : _____
Department : Civil Engineering		Date of Preparation : 27/11/2025

List of Consultancy Projects received from External Agencies.

Consultancy Projects Undertaken

(2023-24)

Sr. No	Name of Faculty	Type of Consultancy (Testing/Software development, etc.)	Funding Agency/ Organization	Amount Received (In Rs.)	Year
CIVIL ENGINEERING					
1	Dr S. V. Patankar	Testing of Construction Materials (Quality control)	R L Bhutada Engineers & Contraction Kop	21476	Dec.2023
2	Dr S. V. Patankar	Testing of Construction Materials (Quality control)	Niranjan Readymix, Nandurkhi Bk, Shirdi.	59472	July2023-Jan.2024
3	Dr S. V. Patankar	Testing of Construction Materials (Quality control)	B J Samrut Chh. Sambhajinagar	17110	Aug.2023- May2024
4	Dr S. V. Patankar	Testing of Construction Materials (Quality control)	Sahyadri Group of contructions, Nashik.	47200	July2023-Feb.2024
5	Dr S. V. Patankar	Testing of Construction Materials (Quality control)	Sahaj Construction LLP India Surat	85550	July2023-Apr.2024

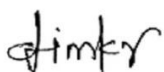
Sr. No	Name of Faculty	Type of Consultancy (Testing/Software development, etc.)	Funding Agency/ Organization	Amount Received (In Rs.)	Year
6	Dr S. V. Patankar	Testing of Construction Materials (Quality control)	Shekhar Rajendra Trimakhe Shinganapur.	8732	September 2023
7	Dr S. V. Patankar	Testing of Construction Materials (Quality control)	Sameer Gorakhnath Varpe Kop.	27966	September 2023
8	Dr S. V. Patankar	Testing of Construction Materials (Quality control)	Dattaswami construction Yeola.	51330	Sept.2023-Apr.2024
9	Dr S. V. Patankar	Testing of Construction Materials (Quality control)	Acon Projects Pune.	11800	December 2023
10	Dr S. V. Patankar	Testing of Construction Materials (Quality control)	Hrashwardhan Entreprises Nashik.	18880	Dec.2023-May 2024
11	Dr S. V. Patankar	Testing of Construction Materials (Quality control)	Er. Patil Yogesh Suresh Kop.	15340	December 2023
12	Dr S. V. Patankar	Testing of Construction Materials (Quality control)	Trimurti Ready Mix ,Kelwad,Rahata	21476	March 2024
13	Dr S. V. Patankar	Testing of Construction Materials (Quality control)	Vishwanath Narayan Shetty,Jeur Kumbhari,Kop.	18880	March-May 2024
14	Dr S. V. Patankar	Testing of Construction Materials (Quality control)	R.R.Rajygiru,Surat,Gujrat	14750	March-May 2024
15	Dr S. V. Patankar	Testing of Construction Materials (Quality control)	Shandar Interior,Pvt Ltd,Pune	40710	April 2024

Sr. No	Name of Faculty	Type of Consultancy (Testing/Software development, etc.)	Funding Agency/ Organization	Amount Received (In Rs.)	Year
16	Dr S. R. Korake	Std. Proctor test and compaction factor	M/s. B. J. Samrut, Aurangabad	7080.00	July 2023-June 2024
17	Dr S. R. Korake	Soil Bearing Capacity	M/s. B. J. Samrut, Aurangabad	5900.00	July 2023-June 2024
18	Dr S. R. Korake	Std. Proctor test and compaction factor	Gururaj Petroleum, Sanvatsar	6490.00	July 2023-June 2024
19	Dr S. R. Korake	Soil Bearing Capacity	M/S Kadam Patil Construction	5900.00	July 2023-June 2024
20	Dr S. R. Korake	MDD & OMC and FSI	Pawar Prakash Mangu	5900.00	July 2023-June 2024
21	Dr S. R. Korake	MDD & OMC and CBR	Neeti Construction, Kopargaon	5900.00	July 2023-June 2024
22	Dr S. R. Korake	MDD & OMC and FSI	Mr. Sameer G. Varpe	5900.00	July 2023-June 2024
23	Dr S. R. Korake	LL, PL, PI and FSI	Sahaj Construction India LLP.	11800.00	July 2023-June 2024
24	Dr S. R. Korake	Soil Bearing Capacity	Sahaj Construction India LLP.	17700.00	July 2023-June 2024
25	Dr S. R. Korake	Soil Bearing Capacity	Deputy Engineer, PWD subdivision, Rahata	24780.00	July 2023-June 2024
26	Dr S. R. Korake	Std. Proctor test and compaction factor	M/S. Kataria Construction	11210.00	July 2023-June 2024
27	Dr S. R. Korake	Std. Proctor test and compaction factor	M/S. Kataria Construction	12390.00	July 2023-June 2024
28	Dr S. R. Korake	MDD & OMC and FSI	M/s. B. J. Samrut, Aurangabad	9440.00	July 2023-June 2024
29	Dr S. R. Korake	MDD & OMC and CBR	The Vishwatmak Jangali Maharaj Aashram, Kokamthan	7080.00	July 2023-June 2024

Sr. No	Name of Faculty	Type of Consultancy (Testing/Software development, etc.)	Funding Agency/ Organization	Amount Received (In Rs.)	Year
30	Dr S. R. Korake	MDD & OMC and FSI	Dr. Omkar Joshi, Shirdi	5900.00	July 2023-June 2024
31	Dr S. R. Korake	LL, PL, PI and FSI	Mr. Y. S. Kandalkar	11800.00	July 2023-June 2024
32	Dr S. R. Korake	Soil Bearing Capacity	M/s. B. J. Samrut, Aurangabad	5900.00	July 2023-June 2024
33	Dr S. R. Korake	Soil Bearing Capacity	Chief Officer, Shirdi Nagarpanchayat, Shirdi	5900.00	July 2023-June 2024
34	Dr S. R. Korake	Std. Proctor test and compaction factor	M/s. B. J. Samrut, Aurangabad	5900.00	July 2023-June 2024
35	Dr S. R. Korake	Soil Bearing Capacity	M/s. B. J. Samrut, Aurangabad	7080.00	July 2023-June 2024
36	Dr S. R. Korake	Std. Proctor test and compaction factor	M/S. Prasad Balasaheb Adhav	6490.00	July 2023-June 2024
37	Dr S. R. Korake	Soil Bearing Capacity	M/S. CRG Infratech Pvt. Ltd. Kolhapur	21240.00	July 2023-June 2024
38	Dr S. R. Korake	MDD & OMC and FSI	M/S. B. M. Enterprises, Sangamner,	21240.00	July 2023-June 2024
39	Dr S. R. Korake	MDD & OMC and CBR	Satyam Distilleries Ltd, Chitali	18800.00	July 2023-June 2024
40	Dr S. R. Korake	MDD & OMC and FSI	M/S. Raviraj Engineers, Kolhapur	5900.00	July 2023-June 2024
41	Dr S. R. Korake	LL, PL, PI and FSI	Mr. Sameer G. Varpe	10620.00	July 2023-June 2024
42	Dr S. R. Korake	Soil Bearing Capacity	M/S. Raviraj Engineers, Kolhapur	5900.00	July 2023-June 2024
43	Dr S. R. Korake	Soil Bearing Capacity	M/S. Raviraj Engineers, Kolhapur	5900.00	July 2023-June 2024

Sr. No	Name of Faculty	Type of Consultancy (Testing/Software development, etc.)	Funding Agency/ Organization	Amount Received (In Rs.)	Year
44	Dr S. R. Korake	Std. Proctor test and compaction factor	M/S. Sahaj Constructions India, LLP, Gujrat	7670.00	July 2023-June 2024
45	Dr S. R. Korake	Std. Proctor test and compaction factor	M/S. Sahaj Constructions India, LLP, Gujrat	19440.00	July 2023-June 2024
46	Dr S. R. Korake	Soil Bearing Capacity	Shri. Vishwanath Narayan Shetty	11800.00	July 2023-June 2024
47	Dr S. R. Korake	Soil Bearing Capacity	M/S. CRG Infratech Pvt. Ltd. Kolhapur	10030.00	July 2023-June 2024
48	Dr S. R. Korake	Soil Bearing Capacity	M/S. CRG Infratech Pvt. Ltd. Kolhapur.	7670.00	July 2023-June 2024
49	Dr S. R. Korake	Soil Bearing Capacity	M/S. CRG Infratech Pvt. Ltd. Kolhapur	7670.00	July 2023-June 2024
50	Dr S. R. Korake	Soil Bearing Capacity	M/s. K. H. Construction	10030.00	July 2023-June 2024
51	Dr S. R. Korake	Soil Bearing Capacity	M/S. Sahaj Constructions India, LLP, Gujrat	10620.00	July 2023-June 2024
52	Dr S. R. Korake	Soil Bearing Capacity	M/S. Sahaj Constructions India, LLP, Gujrat	7670.00	July 2023-June 2024
53	Dr S. R. Korake	Soil Bearing Capacity	M/S. Sahaj Constructions India, LLP, Gujrat	19440.00	July 2023-June 2024
54	Dr S. R. Korake	Soil Bearing Capacity	M/S. CRG Infratech Pvt. Ltd. Kolhapur.	10620.00	July 2023-June 2024
55	Dr S. R. Korake	Soil Bearing Capacity	M/S. CRG Infratech Pvt. Ltd. Kolhapur.	14160.00	July 2023-June 2024
56	Dr S. R. Korake	Soil Bearing Capacity	Sai Shri Engineering Works	5900.00	July 2023-June 2024
57	Dr S. R. Korake	Std. Proctor test and compaction factor	M/S. CRG Infratech Pvt. Ltd. Kolhapur.	9440.00	July 2023-June 2024

Sr. No	Name of Faculty	Type of Consultancy (Testing/Software development, etc.)	Funding Agency/ Organization	Amount Received (In Rs.)	Year
58	Dr S. R. Korake	Std. Proctor test and compaction factor	M/S. CRG Infratech Pvt. Ltd. Kolhapur.	9440.00	July 2023-June 2024
59	Dr S. R. Korake	Soil Bearing Capacity	M/S Sahaj Construction India LLP	10030.00	July 2023-June 2024
60	Dr S. R. Korake	Soil Bearing Capacity	M/S CRG Infratech Pvt. Ltd. Kolhapur	14160.00	July 2023-June 2024
61	Dr S. R. Korake	Soil Bearing Capacity	Shailaja Shankar Gaikwad/Arun Gaikwad	30680.00	July 2023-June 2024
62	Dr S. R. Korake	Soil Bearing Capacity	M/S Sahaj Construction India LLP	7670.00	July 2023-June 2024
63	Dr S. R. Korake	Soil Bearing Capacity	M/S Sahaj Construction India LLP	8260.00	July 2023-June 2024
64	Dr S. R. Korake	Soil Bearing Capacity	Mr.Sainathuni Narayan Rao, Shirdi	5900.00	July 2023-June 2024



Prof. C. R. Limkar
Sign. of Department Coordinator



Dr. A. S. Sayyad
Head of Department