


SRES', Sanjivani College of Engineering, Kopargaon
(An Autonomous Institute affiliated to SPPU, Pune)

Staff Profile

Personal Information			
Name of Teaching Staff: Dr. Sachin M. Gunjal			
Designation: Assistant Professor			
Department : Structural Engineering			
Date of joining : 22th Aug.2011			
E Mail ID :	gunjalsachinst@sanjivani.org.in		
Contact No:	9518514188		
Education Details			
Qualification	Specialization with Class or Grade	University	Year
UG	B.E.Civil First class	Pune	2005
PG	M.E. Structural First class.	Pune	2012
Ph.D	Civil Engineering	S.V.N.I.T. Surat	2018
Total experience in years:			
Teaching:	16		
Industry:	03		
Research and Publications			
<ol style="list-style-type: none"> 1. Gunjal, S. M., & Kondraivendhan, B. (2023). Effect of elevated temperature on the calcined clay-limestone and marble stone blended cement concrete. Australian Journal of Civil Engineering, 21(1), 50-67 https://doi.org/10.1080/14488353.2022.2073048 2. S. M. Gunjal and B. Kondraivendhan, "High temperature impact on calcined clay-limestone cement concrete" (LC3) Online Published on 5th Nov. 2021 Journal of Materials Today: Proceedings, Elsevier publication. https://doi.org/10.1016/j.matpr.2021.10.300 			

3. Gunjal S.M., Kondraivendhan B. (2020) Study on Fresh and Harden Properties of Limestone Calcined Clay Cement (LC3) Production by Marble Stone Powder. In: Bishnoi S. (eds) Calcined Clays for Sustainable Concrete. RILEM Bookseries, vol 25. Springer, Singapore. https://doi.org/10.1007/978-981-15-2806-4_60
4. S. M. Gunjal and B. Kondraivendhan, "Review on Limestone Calcined Clay Cements (LC3)". The Institution of Engineers (India).
Technical Volume of 35th Indian Engineering Congress, 2020, Pp 561-571, [ISBN 978-81-950662-0-9](https://doi.org/10.1007/978-81-950662-0-9). Best Research paper awarded.
5. SM Gunjal, RB Hajare, AS Sayyad, MD Ghodle, "Buckling analysis of thick plates using refined trigonometric shear deformation theory" Journal of Materials and Engineering Structures.Vol.2(4),Pp.159-167.2015. ISSN 2170-127X
<http://revue.ummto.dz/index.php/JMES/article/view/351>
6. Gunjal, S. M., Sayyad, A. S., Kolapkar, S. S., & Gayake, S. B. (2024). A four unknown non-polynomial theory for the free vibration of angle-ply plates. Progress in Engineering Science, 1(2-3), 100012.<https://doi.org/10.1016/j.pes.2024.100012>
7. Gunjal, S. M., Turkane, S. D., Patankar, S. V., & Kondraivendhan, B. (2023). Effect of magnesium sulphate and sulphuric acid attack on limestone calcined clay cement concrete. Materials Today: Proceedings. (Article in Press).
<https://doi.org/10.1016/j.matpr.2023.03.488>.
8. Manas D Ghodale Sachin M Gunjal*, Atteshamuddin S Sayyad, Rajesh B Hajare, "Free Vibration Analysis of Rectangular Plates using Two Variable Trigonometric Shear Deformation Theory", Journal of Experimental & Applied Mechanics.Vol.6(3),Pp.58-64.
9. Turkane, S. D., Chouksey, S. K., Nawale, A. V., Sahu, R. T., Gayake, S. B., & Gunjal, S. M. (2024). Utilization of copper slag as fine sand replacement in concrete: a response surface methodology approach. Discover Civil Engineering, 1(1), 129.
<https://doi.org/10.1007/s44290-024-00135-2>

Papers presented in conferences:

1. Shaikh, S. S., Wani, Y. A., Sonawane, S. S., Pagar, A. P., & Gunjal, S. M. (2023, July). Use of Coconut Coir Fibre in Limestone Calcined Clay Cement (LC3) Concrete. In International Conference on Interdisciplinary Approaches in Civil Engineering for Sustainable Development (pp. 451-459). Singapore: Springer Nature Singapore.
https://doi.org/10.1007/978-981-99-9502-8_38
2. Gunjal, S. M., & Kondraivendhan, B. (2022). Usage of Waste Marble Powder for the Manufacture of Limestone Calcinated Clay Cement (LCCC). In Sustainable Building Materials and Construction: Select Proceedings of ICSBMC 2021 (pp. 357-363). Singapore: Springer Nature Singapore. https://doi.org/10.1007/978-981-16-8496-8_44
3. Gunjal, S. M., & Kondraivendhan, B. (2022). Effect of High Temperature on the Calcinated Clay-Limestone Cement Concrete (LC3). In Sustainable Building Materials and Construction: Select Proceedings of ICSBMC 2021 (pp. 1-7). Singapore: Springer Nature Singapore.
https://doi.org/10.1007/978-981-16-8496-8_1.
4. Research paper Presented at 3rd International Conference on Innovative

Technologies for Clean and Sustainable Development (ITCSD2020), Chandigarh, India, February 19–21, 2020, Titled “Utilization of waste marble powder for the production of limestone calcined clay cement (LC3)”.	
5. Research paper presented at National Conference on “Advances in Structural Technologies (CoAST-2019)”, at NIT Silchar (Assam), 1-3 February 2019. Titled, “Limestone Calcined Clay Cements (LC3)”.	
6. Gunjal S. M., Hajare R. B., Ghodale M. D, “Mechanical and elastic properties of steel fiber reinforced high strength metakaoline concrete” 3rd international conference on recent trends in engineering and technology ICRTET 2014.Vol.1.Pp.641-645.	
Research Profile URL	
Google Scholar	https://scholar.google.co.in/citations?user=e9E0MV8AAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57218679430
Orcid	https://orcid.org/0000-0002-7571-3609
Other Research Details	
Ph D Guide ?Give field & University:	Nil
Ph Ds/ Projects Guided:	Nil
Books Published	Nil
IPRs/Patents	<ol style="list-style-type: none"> 1. Design patents Granted on Paver block with holes Ref No.338389-001 dated 30th Jan 2021. 2. Design patents Granted on Column Plaster Carving Trowel 387330-001 3. Design patents Granted on FLOWER PETAL DINNING TABLE 358605-001 4. Design patents Granted on SLIDING WINDOW 358601-001 5. Design patents Granted on PEN HOLDER IN DRAWER 384180-001 6. Design patents Granted on MULTI-TOOL PLIER 434637-001
Professional Memberships:	Lifetime Membership of Institute of Engineers M-1809487, American society of Civil Engineers (ASCE) 11402646
Interaction with professional institutions	-
Consultancy Activities	

Duration	Title of Activity	Issued Organization	Amount
-	-	-	-
Grants fetched			
Duration	Title	Issued Organization	Amount
-	-	-	-
Awards			
Best Research paper awarded for The Institution of Engineers (India). Technical Volume of 35th Indian Engineering Congress, 2020. S. M. Gunjal and B. Kondraivendhan, "Review on Limestone Calcined Clay Cements (LC3)".			
FACULTY DEVELOPMENT PROGRAMMES ATTENDED			
Name of the FDP / Workshop	Organization	Duration	Month-Year
1. Strategies to improve R& D activities in Engineering institutes	1. Sanjivani College of Engineering, Kopargaon	One week	27 th Sept-1 st Oct.2021
2. Sustainable Concepts in Civil Engineering and Architecture	2. M S Ramainth Institute of Technology, MSR Nagar, Bangalore	5 Days	July 21-25, 2020
3. Advances in Construction and Project Management	3. M. S. Patel Department of Civil Engineering	06 days	October 26 - 31, 2020
4. Fostering an Effective Research Environment and Industrial Collaborations in Engineering Education.	4. Chandubhai S. Patel Institute of Technology (CSPIT), Charotar University of Science and Technology (CHARUSAT), Changa, Dist. Anand, Gujarat.	05 Days	27 July to 1 August 2020
5. Bridge Engineering: Design, Execution, maintenance and Rehabilitation	5. Chemical Engineering, St. Joseph's Group of Institutions OMR, Chennai. Sinhgad college of Engineering Pune and Indian institution of Bridge	05 Days	13 to 17 July 2020

	engineers Pune chapter.		
6. One week Faculty development program on Innovative Practices in teaching learning process	Navsahyadry Group of Institutions Pune	1 Week	19 Dec to 23 Dec 2023
7. FDP on effective drafting of Research and IPR	D.Y. Patil College of Engineering, Akurdi Pune	1 Week	18 Dec to 22 Dec 2023

FACULTY DEVELOPMENT PROGRAMMES ORGANIZED

Name of the FDP / Workshop	Organization	Duration	Month-Year	Capacity
Strategies to improve R and D activities in Engineering College	Dept. Of Structural Engg. SCOE Kopargaon	5 days	September 2020	50

INVITED LECTURES IN CONFERENCE/SEMINAR

Title of Lecture/ Academic Session	Title of Conference/ Seminar etc.	Organized By
Advanced Concrete Technology 16 to 20th December 2024.	Invited lecture on Faculty Development Program (FDP) on Recent Advancements in Civil Engineering : Innovations and Emerging Technologies	Atma Malik Institute of Technology and Research (AMRIT) Mohili-Aghai, Shahapur, Thane
Use of calcined clay-lime stone & marble stone Blended cement concrete for sustainable development. 10.04.2023 to 15.04.2023	Invited lecture on FDP on A Smart Engineering Materials	P.Dr.V.Vikhe Patil Institute of Technology and Engg (Polytechnic) Loni.

OTHER Professional URLs

Personal Website	No
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Linked In Profile	linkedin.com/in/sachin-gunjal-282731153
GitHub URL	No
YouTube Channel	https://www.youtube.com/channel/UCFA8WP4wAb5o-f9R20dUITg
Other	-

Any Other: