


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

**Staff Profile**

Personal Information			
<b>Name of Teaching Staff: Dr. Hrushikesh N. Kedar</b>			
<b>Designation: Assistant Professor</b>			
<b>Department : Structural Engineering</b>			
<b>Date of joining : 24/07/2023</b>			
<b>E Mail ID :</b>	<a href="mailto:kedarhrushist@sanjivani.org.in" style="color: blue; text-decoration: underline;">kedarhrushist@sanjivani.org.in</a>		
<b>Contact No:</b>	<b>9834869997</b>		
Education Details			
Qualification	Specialization with Class or Grade	University	Year
UG	BE Civil (First Class With Distinction)	SRES COE Kopargaon, Pune University	2016
PG	M.Tech Geotech	SVNIT SURAT	2019
Ph.D.	Civil Engineering	SVNIT SURAT	2025
Total experience in years:			
<b>Teaching:</b>	<b>1.5 Years</b>		
<b>Industry:</b>	<b>NA</b>		
Research and Publications			
<b>Journal Papers:</b>  1. Kedar, H.N., Patel, S. (2024) Effect of hydraulic binders on engineering properties of coal ash for utilization in pavement layers. <i>Clean Technology and Environmental Policy</i> , Springer. <a href="https://doi.org/10.1007/s10098-024-02800-7" style="color: blue; text-decoration: underline;">https://doi.org/10.1007/s10098-024-02800-7</a> . (SCIE, Scopus)  2. Kedar, H.N., Patel, S. (2023) Complete Replacement of Granular Base Layer			

- with Stabilized Fly Ash for Road Construction. *Indian Geotech Journal, Springer*. <https://doi.org/10.1007/s40098-023-00817-1> (SCOPUS, ESCI)
3. Kedar, H.N., Patel, S. & Shirol, S.S. (2024) Bulk utilization of steel slag–fly ash composite: a sustainable alternative for use as road construction materials. *Innovative Infrastructure Solution, Springer*, Volume 9, Issue 21. <https://doi.org/10.1007/s41062-023-01325-0> (SCOPUS, ESCI)
  4. Kedar, H.N., Patel, S. (2024) Optimization and characterization of lime and GGBS treated fly ash for sustainable road pavement applications. *Multiscale and Multidisciplinary Modeling, Experiments and Design, Springer*. 8, 91. <https://doi.org/10.1007/s41939-024-00676-0> (SCOPUS, ESCI)
  5. Hrushikesh N. Kedar, Satyajit Patel, “GGBS-Based Geopolymer as a Green Stabilizer for Coal Ash in Pavement: Experimental, Analytical and Microstructural Study.” *Journal of Materials in Civil Engineering, ASCE*. (Under Review)
  6. Hrushikesh N. Kedar, Satyajit Patel, “Advances in Sustainable Rigid Pavements: Fly Ash Stabilization and Statistical Optimization for DLC Layer construction.” *National Academy Science Letter, Springer*. SCIE, SCOPUS (Revision Submitted)
  7. Hrushikesh N. Kedar, Satyajit Patel, “Innovative Green Supplementary Material: Stabilization of Pond Ash for Sustainable Road Pavements.” *Transportation Infrastructure Geotechnology, Springer*. (Under Review)
  8. Kedar, H.N., Aware, R., Repale, G. *Thakare (2024)*. Optimizing industrial waste in road construction: a response surface methodology approach. *J Build Rehabil* 9, 59 (2024). <https://doi.org/10.1007/s41024-024-00419-1>

**Book Chapters:**

1. Kedar, H.N., Patel, S. & Shirol, S.S. (2024), “Use of Stabilized Steel Slag in Pavements, In: Agnihotri, A.K., Reddy, K.R., Bansal, A. (eds) Geoenvironmental Engineering. EGRWSE 2023. Lecture Notes in Civil Engineering, vol 508. Springer, Singapore. [https://doi.org/10.1007/978-981-97-3823-6\\_4](https://doi.org/10.1007/978-981-97-3823-6_4)
2. Hrushikesh N. Kedar, Dr. Satyajit Patel, “Activation of Low calcium Fly ash with cementitious Material for utilization in Subbase Layer of Flexible Pavement”, Proceedings of the 9ICEG (9<sup>th</sup> International Congress on Environmental Geotechnics), Chania, Greece. (24-26 June 2023)
3. Hrushikesh N. Kedar, Dr. Satyajit Patel, “Application of Cementitious Materials for stabilization of soil in flexible pavement: A Review”, Indian Geotechnical Conference 2022 (15-17 Dec. 2022), Kochin, Kerala India.
4. Dr. Satyajit Patel, Sandeep Singh, Hrushikesh N. Kedar, “Angular Shaped Fly Ash Aggregate – An Innovative material for use in Road Pavement.” Proceedings International conference on NEW TECHNOLOGIES & INNOVATIONS IN RURAL ROADS; 24-26 May 2022, New Delhi, India.

**Papers presented in conferences:**

<b>Sr No.</b>	<b>Author</b>	<b>Title of Paper</b>	<b>Name of Conference</b>	<b>Date and Venue</b>
1	Hrushikesh N. Kedar, Dr. Satyajit Patel	Application of Cementitious Materials for stabilization of soil in flexible pavement: A Review	Indian Geotechnical Conference 2022	15-17 Dec 2022, Kochin India
2	Hrushikesh N. Kedar, Dr. Satyajit Patel	Activation of Low calcium Fly ash with cementitious Material for utilization in Subbase Layer of Flexible Pavement	Proceedings of the 9ICEG, Chania, Greece	25-28 June 2023

**Research Profile URL**

<b>Google Scholar</b>	<a href="https://scholar.google.com/citations?user=AZDDKvAAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=AZDDKvAAAAAJ&amp;hl=en</a>
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<b>Scopus</b>	57993008300			
<b>Orcid</b>	0009-0001-0541-9615			
<b>publons</b>	---			
<b>Other Research Details</b>				
<b>Ph D Guide ?Give field &amp; University:</b>	PhD Guide: Yes/No			
<b>Ph Ds/ Projects Guided:</b>	Nil			
<b>Books Published</b>	Nil			
<b>IPRs/Patents</b>	Nil			
<b>Professional Memberships:</b>	Nil			
<b>Interaction with professional institutions</b>	Nil			
<b>Consultancy Activities</b>				
<b>Duration</b>	<b>Title of Activity</b>	<b>Issued Organization</b>	<b>Amount</b>	
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<b>Grants fetched</b>				
<b>Duration</b>	<b>Title</b>	<b>Issued Organization</b>	<b>Amount</b>	
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<b>Awards</b>				
Nil				
<b>FACULTY DEVELOPMENT PROGRAMMES ATTENDED</b>				
<b>Name of the FDP / Workshop</b>	<b>Organization</b>	<b>Duration</b>	<b>Month-Year</b>	
<b>FACULTY DEVELOPMENT PROGRAMMES ORGANIZED</b>				
<b>Name of the FDP / Workshop</b>	<b>Organization</b>	<b>Duration</b>	<b>Month-Year</b>	<b>Capacity</b>

Nil				
<b>INVITED LECTURES IN CONFERENCE/SEMINAR</b>				
<b>Title of Lecture/ Academic Session</b>	<b>Title of Conference/ Seminar etc.</b>		<b>Organized By</b>	
Nil				

<b>OTHER Professional URLs</b>	
<b>Personal Website</b>	---
<b>Linked In Profile</b>	<a href="https://www.linkedin.com/in/hrushikesh-kedar-484155173/?originalSubdomain=in">https://www.linkedin.com/in/hrushikesh-kedar-484155173/?originalSubdomain=in</a>
<b>GitHub URL</b>	---
<b>YouTube Channel</b>	<a href="https://www.youtube.com/@HrushikeshKedar">https://www.youtube.com/@HrushikeshKedar</a>
<b>Other</b>	---

**Any Other:**

Cleared the GATE Exam in both 2017 and 2018.

Intercollegiate Table - Tennis Winner - (2013) - Sanjivani College of Engineering

Zonal Level - Table Tennis (2014-2016)

State level Player in Throw ball (2010)

Intercollegiate Runner - Up for consecutive three years (2014-2016)

Participate in All India Inter NIT Table Tennis Tournament (2022-23) - SVNIT Surat