

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

## Staff Profile

Personal Information			
<b>Name of Teaching Staff: Dr. K. Shaiksha Vali</b>			
<b>Designation: Assistant Professor</b>			
<b>Department : Structural Engineering</b>			
<b>Date of joining : 23/12/2025</b>			
<b>E Mail ID :</b>	<b>shaikshast@sanjivani.org.in</b>		
<b>Contact No:</b>	<b>9959656469</b>		
Education Details			
Qualification	Specialization with Class or Grade	University	Year
UG	B. Tech (Civil) (FC with Distinction)	Sri Venkateswara University, Tirupati	2012
PG	M. Tech (Computer Aided Structural Engineering) (FC with Distinction)	Jawaharlal Nehru Technological University (JNTUA), Anantapur	2014
Ph.D.	PhD (Structural Engineering)	VIT University, Vellore	2022
Total experience in years:			
<b>Teaching:</b>	<b>3 Years</b>		
<b>Industry:</b>	<b>NIL</b>		
Research and Publications			
<b>Year 2025</b> 1) Srinivasreddy Kuunreddy, Narender Reddy Avuthu, Raghuveer Narsing, and <b>Shaiksha Vali Kolimi</b> . “Study on Physio-Mechanical Properties of Ternary Blended Geopolymer Concrete Under Acid and Sulphate Resistance”. <b>AIP Conference Proceedings</b> . Vol. 3342 (1), 2025. [Scopus]			
<b>Year 2022</b> 2) Srinivasreddy Kuunreddy, Bala Murugan S, Bharat Bhushan Jindal, and <b>Kolimi Shaiksha Vali</b> . “Experimental study on the properties of ternary blended geopolymer rich mortar”. <b>Innovative</b>			

**Infrastructure Solutions**. Vol. 7: 172. 2022. [I.F: 2.4, ESCI]

- 3) Nadhim Hamah Sor, Taghreed Khaleefa Mohammed Ali, **Kolimi Shaiksha Vali**, Hemn Unis Ahmed, Rabar H. Faraj, Naraindas Bheel and Amir Mosavi. "The behavior of sustainable self-compacting concrete reinforced with low-density waste polyethylene fiber". **Materials Research Express**. Vol. 9(3): 2022. [I.F: 2.3, SCIE]
- 4) **Kolimi Shaiksha Vali** and Bala Murugan S. "Performance of manufactured aggregate in the production of sustainable lightweight concrete". **Materials Today Proceedings**. Vol. 60(1):674-680, 2022. [Scopus]
- 5) **Kolimi Shaiksha Vali** and Bala Murugan S. "Impact of manufactured fiber aggregate in the production of lightweight concrete", **Materials Today Proceedings**. Vol. 65(2):1690-1696, 2022. [Scopus]

#### **Year 2020**

- 6) **Kolimi Shaiksha Vali** and Bala Murugan S. "Effect of different binders on cold-bonded artificial lightweight aggregate properties". **Advances in Concrete Construction**. Vol. 9(2):183-193, 2020. [I.F: 1.8, SCIE]
- 7) **Kolimi Shaiksha Vali** and Bala Murugan S. "Properties of Glass Fiber Reinforced Cold-Bonded Artificial Lightweight Aggregates with Different Binders". **Romanian Journal of Materials**. Vol. 50(1):40-50, 2020. [I.F: 0.7, SCIE]
- 8) **Kolimi Shaiksha Vali**, Bala Murugan S, Srinivas Reddy K, and Ehsan Noroozinejad Farsangi. "Eco-Friendly Hybrid Concrete using Pozzolanic Binder and Glass Fibers". **International Journal of Engineering (IJE), IJE TRANSACTIONS A: Basics**. Vol. 33, No. 7, (July 2020) 1183-1191. [ESCI]
- 9) **Kolimi Shaiksha Vali** and Bala Murugan S. "Influence of Industrial by-products in artificial lightweight aggregate concrete: An Environmental Benefit Approach". **Ecology Environment & Conservation**. Vol. 26: S236-S244, 2020. [Scopus]

#### **Year 2019**

- 10) **Kolimi Shaiksha Vali** and Bala Murugan. "Impact of nano SiO<sub>2</sub> on the properties of cold-bonded artificial aggregates with various binders". **International Journal of Technology**. Vol. 10:897-907, 2019. [ESCI]
- 11) **Kolimi Shaiksha Vali**, Bala Murugan S. "Utilization of cementitious materials with cold-bonded artificial aggregate in concrete". **International Journal of Engineering and Advanced Technology**. Vol. 9:385-388, 2019. [Scopus]

#### **Year 2017**

- 12) **Kolimi Shaiksha Vali** and Bala Murugan S. "Overview of artificial lightweight aggregates-A review". **International Journal of Civil Engineering and Technology**. Vol. 8:360-369, 2017. [Scopus]

#### **Year 2016**

- 13) **Kolimi Shaiksha Vali** and Abdul Rahim. "Mechanical properties of lightweight engineered cementitious composites". **International Journal of Engineering and Technology**. Vol. 8:2937-2945, 2016. [Scopus]

**Year 2014**

- 14) **Kolimi Shaiksha Vali** and Ajitha B. “Lateral systems in tall buildings for medium soil type and different seismic zones”. **International Journal of Engineering Research and Technology**. Vol. 3(9), 2014. [UGC]
- 15) **Kolimi Shaiksha Vali** and Ajitha B. “Seismic analysis in tall buildings for hard soil type and different seismic zones”. **International Journal of Engineering Research and Technology**. Vol. 3(10), 2014. [UGC]
- 16) **Kolimi Shaiksha Vali** and Ajitha B. “Performance of lateral systems in tall buildings for soft soil type and different seismic zones”. **International Journal of Engineering Research and Technology**. Vol. 3(11), 2014. [UGC]

**Book Chapters:**

Sr. No.	Name of Authors	Title of Book Chapter	Title of Book	Publisher	Page No.
1	B Sudheer Kumar Reddy and Kolimi Shaiksha Vali, Soma Jagadish Sai	Utilisation of various types of plastic waste in construction of building materials — Opportunities and threats	Building Materials for Sustainable Construction	Elsevier	567-600

**Papers presented in conferences:**

Sr No.	Authors	Title of Paper	Name of Conference	Date and Venue
1	Kolimi Shaiksha Vali, and B Sudheer Kumar Reddy	Effect of Binary Blend and Superabsorbent Polymer on Self-curing Ability of Concrete	ICCMS 2025	July 3-5, 2025, at IIT Tirupati.
2	Kolimi Shaiksha Vali, and B Sudheer Kumar Reddy	Impact of Waterproofing Admixtures on the Properties of Artificial Lightweight Aggregates	ICCMS 2025	July 3-5, 2025, at IIT Tirupati.
3	Kolimi Shaiksha Vali, and B Sudheer Kumar Reddy	Investigation of the Combined Effect of Supplementary Cementitious Materials and Various Nano-Materials on Geopolymer Mortar	ICCMS 2025	July 3-5, 2025, at IIT Tirupati.
4	Sudheer Kumar Reddy B, Kolimi Shaiksha Vali, and Avinash Kumar Reddy N	Optimization of Foam-Based Geopolymer Concrete Mix Design at Low Molarities	ICCMS 2025	July 3-5, 2025, at IIT Tirupati.
5	Karun Chandu Nekkala, Deepak Chowdary Veluru, Venkata Sai Revanth Mulpuri,	A Comprehensive Review of advancements in Grout Technology	ICBEM 2025	Nov 3-4, 2025, at SPA Bhopal.

	B.Sudheer Kumar Reddy and Kolimi Shaiksha Vali			
6	Kolimi Shaiksha Vali, and B Sudheer Kumar Reddy	Sustainable Concrete Incorporating Different Cold-bonded Artificial Lightweight Aggregates	SEC 2024	Dec 12-14, 2024, at NIT Tiruchirappalli.
7	B Sudheer Kumar Reddy and Kolimi Shaiksha Vali	Comparative Analysis of Mechanical, Durability and Micro Structural Properties of Alcofine Based Geopolymer Mortar	SEC 2024	Dec 12-14, 2024, at NIT Tiruchirappalli.
8	Kolimi Shaiksha Vali and Bala Murugan S	Influence of glass fiber in the manufacturing of cold-bonded artificial aggregate concrete	ICON 2021	Nov 25-26, 2021, at VIT Vellore.
9	Kolimi Shaiksha Vali and Bala Murugan S	Effect of water and accelerated curing on impact and compressive strength of artificial aggregates with nano silica	UKIERI Concrete Congress Conference	Mar 5-8, 2019, at NIT Jalandhar.
Research Profile URL				
Google Scholar		<a href="https://scholar.google.co.in/citations?user=xQ2X9tUAAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=xQ2X9tUAAAAJ&amp;hl=en</a>		
Scopus		<a href="https://www.scopus.com/authid/detail.uri?authorId=57760402800">https://www.scopus.com/authid/detail.uri?authorId=57760402800</a>		
Orcid		<a href="https://orcid.org/0000-0001-7871-989X">https://orcid.org/0000-0001-7871-989X</a>		
Publons		<a href="https://www.webofscience.com/wos/author/record/AAF-1415-2020">https://www.webofscience.com/wos/author/record/AAF-1415-2020</a>		
Other Research Details				
Ph D Guide ?Give field & University:		NIL		
Ph Ds/ Projects Guided:		NIL		
Books Published		NIL		
IPRs/Patents		Patent Granted: 1. Patent Name: Concrete Crack Curing Equipment Certificate No: - Design No.: 419951-001 Date of Issue: 30/07/2024		
Professional Memberships:		1. Indian Society of Earthquake Technology (LM-1660) 2. International Association of Engineers (358094) 3. Institute of Research Engineers and Doctors (AM101000584388)		

Interaction with professional institutions	1) VIT University, Vellore 2) NICMAR University, Pune		
Consultancy Activities			
Duration	Title of Activity	Issued Organization	Amount
2024-25	1. Material Testing and Concrete mix design tailored for specific applications 2. Performed non-destructive testing (NDT) to evaluate the integrity of structures	Gov and Non-Gov	Rs. 1,25,000
Grants fetched			
Duration	Title	Issued Organization	Amount
01/11/2024 – Till date	Geo-polymer Based Nano Fiber Crack Sealant for Structural Concrete	NICMAR University, Pune	INR 1,95,000
05/12/2023 – 12/12/2025	Impact of Waterproofing Admixture in Artificial Lightweight Aggregate Concrete Manufacturing	KSRMCE, Kadapa	INR 2,98,300
05/12/2023 – 16/12/2024	Lightweight Aerated Concrete Elements Using PET Flakes as Filler and Geopolymer and Other Additives as Binding Material	KSRMCE, Kadapa	INR 2,87,000
Awards			
1. Received the <b>Best Innovative Teacher Award</b> from <b>Global Gyaan Academy (GGA)</b> during the <b>6<sup>th</sup> Global International Best Teachers Award 2025</b> ceremony. 2. Received the <b>Best Engineers Award 2024</b> for Outstanding Teacher in Civil/Structural Engineering. Ramco Supercrrete Cement and The Hindu jointly presented this award. 3. Received the <b>Best Engineers Award 2023</b> for Outstanding Research Paper in Civil/Structural Engineering. Ramco Supercrrete Cement and The Hindu jointly presented this award. 4. Received the <b>Academic Research Award</b> for <b>2022</b> , VIT University, Vellore. 5. Received the <b>Best M. Tech Thesis Award</b> for <b>2014</b> , JNTUACE, Anantapur.			
FACULTY DEVELOPMENT PROGRAMMES ATTENDED			
Name of the FDP / Workshop	Organization	Duration	Month-Year
Next-Gen Civil Engineering: Trends, Tools & Technologies	MVSR Engineering College, Hyderabad	5 Days	Oct-2025
Building Resilient Infrastructure	VVIT, Guntur	5 Days	June-2024
Civil Engineering Challenges Towards Sustainability	Sandip University, Nashik	6 Days	Feb-2024

2 <sup>nd</sup> Series of Advancements in Concrete Technology (AICT-2023)	Ballari Institute of Technology & Management, Ballari	6 Days	Nov-2023	
Innovation Teaching and Learning	IOT Academy, Coimbatore	2 Days	Oct-2023	
FACULTY DEVELOPMENT PROGRAMMES ORGANIZED				
Name of the FDP / Workshop	Organization	Duration	Month-Year	Capacity
-	-	-	-	-
INVITED LECTURES IN CONFERENCE/SEMINAR				
Title of Lecture/ Academic Session	Title of Conference/ Seminar etc.		Organized By	
Quality Control of Concrete	Departmental Seminar		Department of Civil, RGM CET, Nandyal.	

<b>OTHER Professional URLs</b>	
<b>Personal Website</b>	NA
<b>Linked In Profile</b>	<a href="https://www.linkedin.com/in/dr-kolimi-shaiksha-vali-a0141358/?originalSubdomain=in">https://www.linkedin.com/in/dr-kolimi-shaiksha-vali-a0141358/?originalSubdomain=in</a>
<b>GitHub URL</b>	NA
<b>YouTube Channel</b>	NA
<b>Other</b>	NA

**Any Other:**