Dr. Shailendra Kumar
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Education Qualification:

Degree	Year	Subject	University
Ph. D.	2016	Geotechnical Eng.	SVNIT Surat
M.E.	2002	Geotechnical Eng.	M.N.N.I.T. Allahabad
B. Tech	1992	Civil Engineering	I.I.T. Kharagpur

Teaching /Research Experience:

S.N	Name of Organisation	Post held	Period
1	SVNIT Surat	Associate Professor	From 21 Dec 2023 Till Date
2	SVNIT Surat	Assistant Professor	From 16,Oct 2007 to 20 Dec 2023

Research Area: Ground Improvement Techniques, Soil Stabilization, Reinforced Earth & Geosynthetics, Geo-environmental Engineering

No. of M. Tech Guided : 35

No. of Ph.D. Guided : 03 +04 (ongoing)

Ph.D. Research Supervision:

Sr. No.	Admission No	Name of Student	Title of Thesis/Area of Research	Category (FIR/PES/FRS/ FSF etc.)	Role (Supervisor/ Co-supervisor)	Name of all other supervisor (s), if any	Status: Ongoing/ Submitted/ Awaded
1	D16AM001	Vemula Anand Reddy	Stabilization/Solidification of heavy metals based soils using low carbon additives and its assessment, Characterization, Leaching and microstructural analysis	FIR	Co-Supervisor	Dr. C. H. Solanki	Completed
2	D16AM005	Ankit H. Sodha	A Comparative Study of Seismic Response of Triple Friction Pendulum with Single Friction Pendulum system Under a Service Level f Earthquakes	FIR	Co-Supervisor	Dr. S. A. Vasanwala	Completed
3	D17AM013	Jerin Joseph	Performance of granular anchor pile in sand	PEC	Supervisor	-	Completed
4	DS20CE017	Bhaskar D. Wabhitkar	Erosion control and Stability of slope	PEC	Supervisor	-	Ongoing
5	D21CE023	Shyam Nandan Roy	Study on uplift capacity of granular anchor pile	FIR	Supervisor	-	Ongoing
6	D22CE007	Krishnaraj khatri	Feasibility study on utilization of C&D Waste & RBI Grade-81 in Road Works.	PEC	Supervisor	Dr. C. H. Solanki	Ongoing
7	DS23CE004	Ms Sneha Elangban	Use of Geosynthetics in Pavement	PEC	Supervisor	Dr. Rakesh Kumar	Ongoing

Publications in Scopus/SCI Journals (Non Paid)

- AH Sodha, DP Soni, MK Desai, **S Kumar** (2017) Behavior of Quintuple Friction Pendulum System Under Near-Fault Earthquakes **Journal of Earthquake and Tsunami** 12 (1), 1–23 [**SCI, Q2**]
- VA Reddy, CH Solanki, **S Kumar**, KR Reddy, YJ Du (2019) New ternary blend limestone calcined clay cement for solidification/stabilization of zinc contaminated soil **Chemosphere** 235, 308–315 [**Scopus, Q1**]
- A Sodha, C Chikmath, S Vasanwala, D Soni, **S Kumar** (2020) Effect of Friction Pendulum Bearing System on Seismic Performance of Structure **International Journal of Innovative Technology and Exploring Engineering** 9 (4), 740–743 [**SCIE, Q4**]
- VA Reddy, CH Solanki, **S Kumar**, KR Reddy, YJ Du (2020) Stabilization/Solidification of Zinc- and Lead-Contaminated Soil Using Limestone Calcined Clay Cement (LC3): An Environmentally Friendly Alternative **Sustainability** 12, 3725, 1–13 [**Scopus, Q2**]
- VA Reddy, CH Solanki, **S Kumar**, KR Reddy, YJ Du (2020) Pb-Zn Smelter Residue (LZSR) Stabilized Using Low-Carbon, Low-Cost Limestone–Calcined Clay Cement: Leachability, Chemical Speciation, Strength, and Microstructure **Journal of Hazardous, Toxic and Radioactive Waste** 24 (4), 1–9 [**Scopus, Q3**]
- VA Reddy, CH Solanki, **S Kumar**, KR Reddy, YJ Du (2021) Comparison of limestone calcined clay cement and ordinary Portland cement for stabilization/solidification of Pb-Zn smelter residue **Environmental Science and Pollution Research** 29, 11393–11404 [**SCIE, Q1**]
- J Joseph, **S Kumar**, VA Sawant, JB Patel (2022) An experimental and numerical comparative study on the uplift capacity of single granular pile anchor and rough pile in sand **International Journal of Geotechnical Engineering** 16 (4), 499–513 [**Scopus, Q2**]
- YK Tandel, JB Patel, S Budde, **S Kumar**, CH Solanki, BG Patel (2022) Three-dimensional numerical analyses of pervious concrete column for soft soil improvement **Current Science** 122 (9), 1044–1050 [**Scopus, Q2**]
- J Joseph, **S Kumar**, JB Patel, V Sawant, Y Tandel (2022) Model Tests on Granular Pile Anchor and Helical Anchor: A Comparative Study **International Journal of Geosynthetics and Ground Engineering** 8:44, 1–12 [**Scopus, Q2**]
- SN Roy, **S Kumar**, JB Patel, VA Sawant (2025) Numerical Analysis of a Granular Pile Anchor Encased with Geosynthetic Subjected to Uplift Load in Cohesionless Soil Using PLAXIS-3D **Transportation Infrastructure Geotechnology** 12:114, 1-38 [**Scopus, Q2**]
- SN Roy, **S Kumar**, JB Patel (2026) Experimental and Numerical Evaluation on Uplift Performance of Geotextile-Encased Granular Pile Anchor **Transportation Infrastructure Geotechnology** 13:14, 1-33 [**Scopus, Q2**]
- B Wabhitkar, **S Kumar** (Submitted) Rainfall-Induced Landslides: Causes, Consequences, and Preventive Measures – A Review **Sustainability** [**Scopus**,**Q2**]
- K Khatri, **S Kumar**, C Solanki (Submitted) Enhancing Black Cotton Soil Stability with RBI Grade 81 and Lime: A Laboratory Investigation **Journal of Sustainable Construction Materials and Technologies** [**Scopus**, **Q3**]