SRES', Sanjivani College of Engineering, Kopargaon

(An Autonomous Institute affiliated to SPPU, Pune)

Staff Profile

Personal Information

Name of Teaching Staff: Amgoth Rajender	
Designation: Assistant Professor	
Department: Structural Engineering	
Date of joining: 05-01-2026	
E Mail ID:	**amgothrajenderst@sanjivani.org.in, rajenderamgoth18@gmail.com**
Contact No:	**+91-8374746312**

Education Details

Qualification	Specialization with Class or Grade	University	Year
UG	Civil Engineering (1^{st} class with distinction)	JNTUH	2018
PG	Structural Engineering (1^{st} class with distinction)	JNTUH	2020
Ph.D.	Civil (Structural Engineering)	NIT Durgapur	Pursuing (Thesis Submitted)

Total experience in years:

Teaching:	**9 Months**
Industry:	**Nil**

Research and Publications

Year 2026

1) Sudipta Ghosh, **A Rajender**, and A. K. Samanta (2024) Analysing Compressive strength of sustainable concrete with recycled refractory brick fine aggregate: An experimental and ANN approach, ***World Journal of Engineering (Emerald).*** **(ESCI, IF- 1.6) (Accepted for Publication)**

Year 2025

2) **A. Rajender**, A.K. Samanta, (2025) Condition Assessment and Corrosion Initiation Time Prediction in Silica fume-based Concrete under Extreme Chloride Conditions, ***Arabian Journal of Science and Engineering (Springer)***, https://doi.org/10.1007/s13369-025-10069-1. **(SCIE, IF-2.6)**

3) **A. Rajender,** A.K. Samanta (2025) Performance evaluation on corrosion resistance of concrete

blended with microsilica under chloride-laden conditions: an experimental and ANN-based approach. ***Engineering Computations (Emerald),*** https://doi.org/10.1108/EC-02-2025-0124. **(SCIE, IF- 1.9)**

Year 2024

4) **Rajender,** A.K. Samanta, A. Paral, (2024) Comparative study of corrosion-based service life prediction of reinforced concrete structures using traditional and machine learning approach, ***International Journal of Structural Integrity (Emerald),*** https://doi.org/10.1108/IJSI-02-2024-0018. **(ESCI, IF- 3.5)**

Year 2023

5) **A. Rajender,** A.K. Samanta, (2023) Compressive strength prediction of metakaolin-based high-performance concrete with machine learning, ***Materials Today Proceedings (Elsevier),*** https://doi.org/10.1016/j.matpr.2023.03.522. **(Scopus)**

6) K. Mukherjee, **A. Rajender,** A.K. Samanta, (2023) A review on the fresh properties, mechanical and durability performance of graphene-based cement composites, ***Materials Today Proceedings (Elsevier)*** https://doi.org/10.1016/j.matpr.2023.04.500 **(Scopus)**

Book Chapters:

Sr. No.	Name of Author	Title of Book Chapter	Title of Book	Publisher	Page No.
1	**A. Rajender**, Pappala U M Rao, and A. K. Samanta (2025)	Evaluation of strength and durability characteristics of alccofine-based Concrete under extreme environmental conditions. https://doi.org/10.1007/s41403-023-00451-6.	***Sustainable Civil Infrastructures*** **(Scopus)**	***Springer***	-
2	**A. Rajender**, Jijit Sudev, and A. K. Samanta (2025	Condition Assessment and Corrosion Initiation Time Prediction in Alccofine-Based Concrete Under Extreme Environmental Conditions. https://doi.org/10.1007/978-981-95-0241-7_19	***Lecture Notes in Civil Engineering*** **(Scopus)**	***Springer***	-

Papers presented in conferences:

Sr No.	Author	Title of Paper	Name of Conference	Date and Venue
1	A. Rajender, A.K. Samanta (2023)	Compressive strength prediction of metakaolin-based high-performance concrete with machine learning	ICCMS-2022	13-17 December 2022 at NIT Calicut
2	A. Rajender, K.P Yadav, and A. K. Samanta (2024):	Predicting the compressive strength of alccofine-based concrete using an	RAID-2024	12–13th Feb 2024 at NIT Calicut.

		Artificial Neural Network (ANN) approach		
3	A. Rajender, P.U. M. Rao, and A. K. Samanta	Evaluation of strength and durability characteristics of alccofine-based concrete under extreme environmental conditions	ICSRI-2024	05-06th Dec 2024.
4	A. Rajender, Jijith Sudev, A. K. Samanta	Condition assessment and corrosion initiation time prediction in alccofine-based concrete under Extreme environmental conditions	AMMASRI-25	09-11th Jan 2025 at Amrita Vishwa Vidyapeetham

Research Profile URL

Google Scholar	https://scholar.google.com/citations?user=e3j6JTIAAAAJ&hl=en&authuser=1
Scopus	https://www.scopus.com/authid/detail.uri?authorId=58164716900
Orcid	https://orcid.org/my-orcid?orcid=0000-0001-6635-6366
publons	

Other Research Details

Ph D Guide ?Give field & University:	**PhD Guide:** No **Field:** **University:**
Ph Ds/ Projects Guided:	**Name of Student** / **Status** ( ) / ( ) ( ) / ( ) ( ) / ( ) ( ) / ( ) ( ) / ( )
Books Published	-
IPRs/Patents	**Patent Granted:** … 1. **Patent Name.** Certificate No: Design No.: Date of Issue:
Professional Memberships:	NIL
Interaction with professional institutions	**NIL**

Consultancy Activities

Duration	Title of Activity	Issued Organization	Amount

Grants fetched

Duration	Title	Issued Organization	Amount

Awards

1.

FACULTY DEVELOPMENT PROGRAMMES ATTENDED

Name of the FDP / Workshop	Organization	Duration	Month-Year
International Workshop on Construction Materials	Department of Civil Engineering, NIT Calicut	5 days	13-17 Dec 2022
Recent Advances in Composite Materials: Integrating Modelling and Experimental Approaches	Department of Civil and Mechanical Engineering, MVGR College of Engineering, AP	5 days	17 -21 Nov 2025
Recent Advances in Composite Materials: Integrating Modelling and Experimental Approaches	Department of Civil and Mechanical Engineering, MVGR College of Engineering, AP.	5 days	17 -21 Nov 2025

FACULTY DEVELOPMENT PROGRAMMES ORGANIZED

Name of the FDP	Organization	Duration	Month-Year	Capacity

INVITED LECTURES IN CONFERENCE/SEMINAR		
Title of Lecture/ Academic Session	**Title of Conference/ Seminar etc.**	**Organized By**

OTHER Professional URLs	
Personal Website	
Linked In Profile	
GitHub URL	
YouTube Channel	
Other	

Any Other: