



SRM Valliammai Engineering College

SRM Nagar, Kattankulathur-603203, Kancheepuram District, Tamil Nadu

TEL : 044 - 27454784 / 726, FAX : 044 - 27451504

Department of Civil Engineering

Personal Details

Name :	Dr. A. Leema Rose		
Designation :	Associate Professor		
Educational Qualification :	M.E.,Ph.D.,		
Experience:	21 Years		
Area of Specialization :	Structural Engineering		
Date of Joining :	01.06.2016		
Email ID :	vraleemarose@gmail.com		
Google Scholar :	https://scholar.google.co.in/citations?hl=en&user=IMGb01QAAAAJ		
Scopus ID :	14055838900		
Contact Numbers :	044-27454784	Extn: 8102	

Educational Details

S.No	Degree	Branch/Specialization	Institution / University	Year
1	B.E	Civil & Structural Engineering	Annamalai University	1998
2	M.E	Structural Engineering	Annamalai University	1999
3	Ph.D	Structural Engineering	Annamalai University	2010

Professional Society Memberships

1. Indian Society of Technical Education: Life Member LM37054
2. Indian Concrete Institute: Life Member LM 8480
3. Institution of Engineers-F1233161

Publication Details

JOURNALS

S.No.	Name of the Author(s)	Title of the Paper	Journal Name	Vol. No. Issue No. Page No.,	Publication Year
1.	S. Karthika, A. Leema Rose, G. Priyadharshini	Sustainable Development on Ferrock Mortar Cubes	Journal of Physics: Conference Series	2040 (2021) 012020 pp 1-9	2021

2.	Aravindan Siva suriyan, D.S. Vijayan, A. Leema Rose, J. Revathy, Gayathri Monika, Adhithya and Jebasingh daniel	Development of Smart Sensing Technology Approaches in Structural Health Monitoring of Bridge Structures	Advances in Materials Science and Engineering	Volume 2021, Article ID 2615029	2021
3.	A. Leema Rose, D. Elango, D.S. Vijayan , J. Jebasingh Daniel	Reliability analysis of corroded beams with FRP laminates	Materials Today: Proceedings	45 pp 5987-5990	2021
4.	D.S. Vijayan, A, Leema Rose, J. Revathi & C. Amutha Devi	Automation Systems in Smart Buildings: A Review	Journal of Ambient Intelligence and Humanized Computing	Online version	2020
5.	D.S.Vijayan, A.Leema Rose, V.Gokulnath, D.Parthiban, P.Dinesh Kumar	Experimental Studies on Strength and Durability of Sustainable Concrete Using Bottom Ash by Replacement of Fine Aggregate	Journal of Green Engineering	10 (9)	2020
6.	A.Leema Rose , D.Elango, Dinesh Kumar , S.Mohanasundari	Strength and Durability of Polymer Modified Steel Fiber Reinforced Concrete	Solid State Technology	63 (6) pp 8585-8605	2020
7.	D.S.Vijayan, A. Leema Rose, P.Dinesh Kumar, V.Gokulnath, D Parthiban5	Sustainable Efficiency of Hypo Sludge in Concrete	International Journal of Emerging Trends in Engineering Research	8 (9) pp 5490-5496	2020
8.	A. Leema Rose D.S.Vijayan , S.Arvindan	Application of Self-compacting Concrete in Building Structural Elements – A Review	Solid State Technology	63(6) pp 4279-4290	2020
9.	D.S.Vijayan, P.Dinesh kumar , A. Leema Rose, Mohammed Aamir K.N, Muhammed Shahim P.A, Gokul Balagopal	Experimental Investigation on Partial Replacement of Coarse Aggregate With Shredded Rubber in Concrete	Solid State Technology	63 (6) pp 1126-1140	2020
10.	Dr. A. Leema Rose, S. Gunaselvi & M. Jeganathan	Parametric Analysis of span to rise ratio of shallow funicular Concrete shells with openings large enough to disturb global Stress distribution	Adalya Journal	9(1) pp 1121-1132	2020

11.	Shanmathi Sridhar, A. Leema rose	Performance Evaluation of Post-Tensioned Concrete Beams with Bonded System	International Journal of Innovative Technology and Exploring Engineering	8(7) pp 673-679	2019
12.	K. Mahesh A. Nithya A. Leema Rose	Strength Characteristics of Steel Elliptical Hollow Section Stub Column	Journal of Adv. Research in Dynamical & Control Systems.	10(08) pp 656-659	2018
13.	A. Leema Rose K. Suguna	Artificial Neural Network Performance of Corrosion Damaged RC beams with GFRP Laminates	Journal of Adv. Research in Dynamical & Control Systems.	10(4) pp 1173-1180	2018
14.	Preyadarshini Iyappan Leema Rose Dr. D. Elango	Experimental and Analytical Study on Bio-Mineralization Process With Replacement of Cement by Microbial cementation	International Journal Of Civil Engineering And Technology	9 (5), pp 715-724,	2018
15.	Archana Anjugap Priya Leema Rose	Analytical Study On Composite Frames	International Journal Of Innovative Research In Science, Engineering And Technology	7, (5), pp 176-183	2018
16.	Naveen Kumar Hanush Praveen Leema Rose	Comparative Study On Progressive Failure Of Rigid And Flexible Joints In Steel Frames	International Journal For Scientific Research And Development	6 (2) 826-829,	2018
17.	Lavanya Saranya Leema Rose	Study On Exterior Beam Column Joint With Basalt Fibre Under Cyclic Loading	International Advanced Research Journal in Science, Engineering and Technology	5,(5),pp 93-101	2018
18.	Kirubakaran Sureshbabu Leema Rose	Study On Buckling Behaviour Of Cold Formed Steel Z Section With Different Stiffeners	International Journal For Scientific Research And Development	6,(2) pp 3848-3852,	2018
19.	Ganeshkumar Sureshbabu Leema Rose	Experimental Study On Flexural And Compressive Behaviour Of Cold Formed Steel Back To Back Supacee Section	International Research Journal of Engineering & Technology	5,(5) pp 2850-2854	2018
20.	Subasree Leema Rose	Analytical And Experimental Investigation On Steel	International Journal of Civil and	5, (2) pp 86-96,	2018

		Encased Composite Column Using Alccofine Concrete	Structural Engineering Research		
21.	Nithyasri, Leema Rose & Saranya	Finite Element Analysis of Steel Elliptical Hollow Section Column	International Advanced Research Journal in Science, Engineering and Technology	4,(3) pp 140-149,	2017
22.	Santhosh, Saranya & Leema Rose	Experimental Investigation and Analysis on Flexural Behaviour of Composite Beam Using Ferro cement	International Journal of Advanced Research Trends in Engineering and Technology	4,(8) pp 11-17,	2017
23.	Girishwar Raj, Arunraj Christadoss & Leema Rose	Experimental Investigation on the Flexural Behaviour and Stiffener Requirements of Castellated Steel Beam	International Journal for Scientific, Research & Development	5, (3) pp 1682-1687,	2017
24.	Akila Leema Rose	Study on Strength and Durability Characteristics of Hybrid Fibre Reinforced Concrete	International Journal of modern trends in Engineering and Science	3,(4) pp 52-56,	2016
25.	Hemalatha Leema Rose	An Experimental study on Glass Fibre Reinforced Concrete	International Research Journal of Engineering & Technology	3, (4) pp 01-05,	2016
26.	Sujithra Leema Rose	An analysis of formwork failures and effectiveness of safety	International Journal of Latest Technology in Engineering, Management & Applied Science	3, (12) pp 49-53.	2015
27.	Mega. S. saji Leema Rose	Using glass waste as a partial replacement for fine aggregate on the strength of the concrete	International Journal of Engineering Research	3.(1). pp 96-99,	2015
28.	Leema Rose Suganya	Performance on copper slag on strength and durability properties as partial replacement of fine aggregate in concrete,	International Journal of Emerging Technology and Advanced Engineering,	5, (1) pp 434-437.	2015
29.	Leema Rose Suguna Ragunath	Behaviour of Corrosion Damaged RC Beams with UDCGFRP Laminate	Research in Civil and Environmental Engineering,	2 (2), pp 74-79,	2013

30.	Jemimah Leema Rose	A detailed study on facility management and its contribution to the construction industry	International Journal of Advanced Research in Civil, structural, environmental and Infrastructure Engineering and developing,	1, (3) pp 74-80,	2011
31.	Leema Rose Suguna Ragunath	Structural Performance of Corrosion Damaged Concrete Beams with GFRP	International Journal of Applied Engineering Research	4, (4) pp 549- 556,	2009
32.	Leema Rose Suguna Ragunath	Strengthening of Corrosion Damaged Concrete Beams with GFRP laminates,	Journal of computer science	5,(6) pp 435- 439,	2009

CONFERENCES

NATIONAL CONFERENCES

1. National seminar on Advances in Construction Engineering Practices titled on Performance of corrosion damaged RC beams with GFRP laminates, Annamalai University, Feb 26-27, 2010.
2. National Conference on Innovative construction materials and modern techniques in Civil Engineering, titled on Repair and Rehabilitation of structures, K.S.R College of Engineering, 26th March, 2010.

INTERNATIONAL CONFERENCES

1. International Conference on Earthquake resistant construction practices titled on Behaviour of corrosion damaged RC beams with UDCGFRP laminates, Dr. M.G.R. Educational and Research Institute University, July 27 & 28, 2012.
2. International Conference on Advanced Engineering and Technology for sustainable Development titled on “ An analysis of formwork failures and effectiveness of safety” Karpagam College of Engineering, 5-6th March 2015.

BOOKS

1. Structural Analysis-1, Lakshmi Publications
2. Structural Analysis-II, Book field Publications
3. Comprehensive Structural Analysis, Lakshmi Publications

Research and Development Details

FUNDS RECEIVED

Name of the project	Funding Agencies	Amount In Rs.	Year	Status
WOODCON-The Earth Saving Exclusives	IEDC	1,00,000/-	2009-2010	Completed

FDP Grant	Anna University		90,000/-	2013-2014	Completed
Performance Study on Steel Elliptical hollow Section Stub Column.	TNSCST Under Student Project Scheme		10,000/-	2016-2017	Completed
Study on Ductility Performance of Carbon Nanotubes in Basalt Reinforced Concrete Beams	TNSCST Under Student Project Scheme		7,500/-	2021-2022	Under Progress

No. of M.E candidates guided :19

Doctoral Committee Representation

Prist University : 2 Scholars

Bharath University : 6 Scholars

SRM University : 1 Scholar

Anna University : 3 Scholars

VEL's University : 2 Scholars

Other Details

STTP/FDP COORDINATED

1. Organized Anna University Sponsored Faculty Development Training Programme on "Strength of Materials" at Adhiparasakthi Engineering College, Melmaruvathur during 16-24, December 2013.
2. Organized Anna University supported Faculty Development Training Programme on "Structural Analysis-II" at Adhiparasakthi Engineering College, Melmaruvathur during 08-16, December 2014.
3. Organized Anna University supported Faculty Development Training Programme on "Soil Mechanics" at Adhiparasakthi Engineering College, Melmaruvathur during 19-25, January 2016.
4. Associated with the organization of AICTE & ISTE Sponsored Faculty Development Training Programme on "Modern Construction Materials and Construction Techniques" at Valliammai Engineering College during 21-25, May-2018.

STTP/FDP PARTICIPATED

- Completed ARPIT Online Certification course titled on "Sustainable Construction materials and Techniques"
- Participated in the Online Training Programme on "Developing Professional attributes for OBE Curriculum" Conducted by NITTTR, Chennai from 13.09.2021 to 17.09.2021 (One Week).
- Completed NAAC Sponsored 2-day online workshop on Incubating Seven Attributes of Teaching-Learning Process in Higher Education Institution: Post COVID-19 on 03.06.21 to 04.06.21

- Completed NITTT Module 2-Professional Ethics sustainability, Module V- Technology Enabled Learning and lifelong self-learning.
- Faculty Development Programme on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 22.03.21 to 26.03.21.
- Faculty Development Programme on “Real Estate Management” organized by Chh.Shahu Institute of Business Education & Research. From 08.02.2021 to 12.02.2021.
- Faculty Development Programme on “Blended Learning and Flipped Classroom” organized by Vellore Institute of Technology from 18.01.2021 to 22.01.2021.
- Faculty Development Programme on “Waste Technology” organized by University College of Engineering, Anna University, Tiruchirappalli from 12.10.2020 to 16.10.2020.
- Faculty Development Programme on “Green Technology & and Sustainability Engineering” organized by National Institute of Technology Jamshedpur from 14.09.20 to 18.09.20.
- Faculty Development Programme on “Recent Advances in Pavement Material Testing and Design” organized by Misrimal Navajee Munoth Jain Engineering College from 14.12.20 to 19.12.20.
- Faculty Development Programme on “Recent Advances in Land Surveying and Mapping - I” organized by S.A Engineering College from 23.11.20 to 30.11.20.
- Faculty Development Programme on “Recent Advances in Pavement Material Testing and Design” organized by MNM Jain Engineering College from 17.08.2020 to 22.08.2020.
- Faculty Development Programme on “Smart Solutions in Civil Engineering” organized by SRM Institute of Science & Technology, Ramapuram from 21.07.2020 to 23.07.2020 .
- Faculty Development Programme on “Emerging Trends in Transportation Engineering” organized by Kumaraguru college of Technology from 21.07.2020 to 26.07.2020.
- Faculty Development Programme on “Recent Trends in Concrete Technology and Environmental Engineering” organized by Hindustan College of Engineering and Technology from 02.07.2020 to 04.07.2020.
- Faculty Development Programme on “Advanced E-Learning in Structural Engineering Design Concepts” organized by Hindustan College of Engineering and Technology from 29.06.2020 to 01.07.2020.
- Faculty Development Programme on “Emerging trends in Civil Engineering” organized by Easwari Engineering College from 30.06.2020 to 02.07.2020.
- Faculty Development Programme on “Pavement Design, Construction and Rehabilitation” organized by Vignana Bharathi Institute of Technology from 25.06.2020 to 27.06.2020 .
- Faculty Development Programme on “Recent Advances in Civil Engineering” organized by S.A Engineering College from 22.06.2020 to 24.06.2020.
- Faculty Development Programme on “Foundation Engineering” organized by Saveetha Engineering College from 23.06.2020 to 25.06.2020.
- Faculty Development Programme on “Emerging Trends in Civil Engineering” organized by Easwari Engineering College from 15.06.2020 to 17.06.2020

- Two Days Online Workshop on Revit Architecture organized by Easwari Engineering College on 09.06.2020 & 10.06.2020.
- Faculty Development Programme on “Innovative Technologies in Civil Engineering and Applications (ITCA)” organized by St. Peter’s Engineering College, Hyderabad from 01.06.2020
 - to 05.06.2020
- Webinar on “Sandwich Panels, Air Pollution, Recent trends in GIS, Water Quality Analysis, Fundamentals of Remote Sensing and Sustainability in Civil Engineering” organized by Mar Baselios Christian College of Engineering from 25.05.2020 to 30.05.2020
- Faculty Development Programme on “Foundation Engineering , Fluid Mechanics and Structural Design for Civil Engineering” organized by SRM Valliammai Engineering College from 11.05.2020 to 15.05.2020.
- Faculty Development Programme on “Advanced Technologies in Infrastructure Development” organized by Easwari Engineering College from 13.05.2020 to 19.05.2020
- Faculty Development Training Programme on Structural Analysis-II at Easwari Engineering College from 5th to 11th December 2013.
- Faculty Development Training Programme on Ground Water Engineering at Adhiparasakthi Engineering College, Melmaruvathur during 10.06.2015-18.06.2015

CONFERENCES/ SEMINAR/ WORKSHOPS ORGANIZED

1. Organized an One day National level Students Seminar on “Special Concretes” Sponsored by Indian Concrete Journal at Adhiparasakthi Engineering College, Melmaruvathur on 27th March 2008.
2. Organized National Level Students Technical Symposium at Adhiparasakthi Engineering College, Melmaruvathur on 17th September 2008.
3. Organized National Seminar on “Recent Advances in Cementitious Materials” at Adhiparasakthi Engineering College, Melmaruvathur during 25th & 26th March 2009.
4. Organized National Seminar on “Seismic Resistance Design” at Adhiparasakthi Engineering College, Melmaruvathur on 28th Jan 2010.
5. Organized CSIR sponsored National conference on “Advances in Earth Quake Resistance Design” at Adhiparasakthi Engineering College, Melmaruvathur during 20th & 21st April 2011.
6. Organized AICTE & CSIR Sponsored International Workshop on “Advances on Concrete Materials and Exhibition” at Adhiparasakthi Engineering College, Melmaruvathur during 23rd & 24th Jan 2012.
7. Organized International Workshop on “Advances on Concrete Materials and Exhibition” at Adhiparasakthi Engineering College, Melmaruvathur during 3rd & 4th Feb 2015.
8. Associated with the organization of CSIR Sponsored National Seminar on “Recent Advances in Earthquake Resistant Design and structural Dynamics” at Valliammai Engineering College on 16-17 February 2017.
9. Associated with the organization of National Seminar on “Emerging Technologies in Engineering” at Valliammai Engineering College on 07 April 2018.

10. Organized Virtual Industrial Visit on “Hydraulic Structures and Model Studies” at SRM Valliammai Engineering College on 29.01.2022 through Online Mode.