

Name	Dr. P. V. PREMALATHA			
Contact (office)	Professor and Head Department of Civil Engineering M.I.E.T Engineering College Trichy.			
Email	pvpremalatha@miet.edu			
Educational Qualifications	DEGREE	EDUCATIONAL INSTITUTION	BOARD/ UNIVERSITY	YEAR OF PASSING
	Ph.D., Civil Engineering	National Institute of Technology, Trichy	NITT	2012
	M.E., Structural Engineering	National University of Singapore (NUS), Singapore.	National University of Singapore (NUS), Singapore	2003
	B.E., Civil & Structural Engineering	Annamalai University, Chidambaram	Annamalai University	1999
Professional Career Profile	Organization	Designation	Date of Joining	Duration of work
	M.I.E.T Engineering College, Trichy	Professor and Head Civil Engineering	11.07.2022	Till date
	Oxford Engineering College, Tiruchirappalli	Vice Principal	02.06.21	4.07.2022
	CARE Group of Institutions, Tiruchirappalli	Professor and Head, Department of Civil Engineering	14.03.12	31.05.2021
	National Institute of Technology, Tiruchirappalli	PhD Research Scholar, Department of Civil Engineering	08.02.08	13.03.12
	JJ College of Engineering and Technology, Tiruchirappalli	Lecturer, Dept of Civil Engineering	02.07.07	31.12.07
	Sona College of Technology, Salem	Lecturer. Civil Engineering	10.05.06	19.05.07

	2YSP Engineering Services, Bandar BaruBangi, Selangor, Malaysia	Design Engineer	21.01.04	30.06.05
	IK TEC Engineering Pvt Ltd, Singapore	Design Engineer	04.01.03	10.12.03
Awards & Recognitions	<ul style="list-style-type: none"> • Best paper award in AICTE Sponsored International Conference on “Emerging Innovative Technologies in Engineering (ICEITE’22) organized by Sri Manakula Vinayagar Engineering College, Puducherry, India held during 13-15, July 2022. • Received best faculty award on 11.03.2020 during the academic year 2019-2020, for excellence in performance at CARE Group of Institutions, Tiruchirappalli. • Obtained sponsorship from CSIR for conducting a one-day workshop on “Innovative Construction using Prefabricated Elements” conducted on 9th Oct 2013. • Selected as best paper for poster presentation held at Indian Institute of Space Science and Technology, Trivandrum (2011). Award received from Dr.A.P.J.Abdul Kalam • Won Prize for best project (PhD category) in the Student’s Paper Competition 2009 organized by the Indian Geotechnical Society, Chennai Chapter held at Indian Institute of Technology, Madras. • Obtained the full life membership in Indian Geotechnical Society (IGS) as a complementary prize for winning the paper competition held at IIT Madras. • Final Year B.E. Project - secured 1st in the class. 			
Membership in Professional Bodies	<ol style="list-style-type: none"> 1. Life Member (AM094266-1) - Institution of Engineers (India) - IEI. 2. Life Member (LM50382) - Indian Society for Technical Education - ISTE 3. Life Member (LM 911) – Indian Geotechnical Society – IGS 			
Academic Areas of Interest	Soil Structure Interaction, Coastal Structures and Concrete Technology			
Administrative Capabilities	<ul style="list-style-type: none"> • Executive committee member in IGS Trichy Chapter for the academic year 2023-24 • Acted as Head of the Department for more than 12 years • NBA coordinator and Elite student’s project coordinator. • Obtained Anna University Supervisorship in the Department of Civil Engineering. Supervisor ID – 2710005 • Guiding two students PhD Scholars. • Acting as DC member for PhD Research Scholars • Teaching STAAD Pro V8i in two levels – Basic level and Advanced level and also for the participants outside the college. • Delivered a guest lecture on “Strength of Materials” from 12.12.2022 to 			

16.12.2022 organized by the Faculty Development Training Centre, Government College of Technology, Coimbatore in association with Department of Civil Engineering, Government College of Srirangam, Trichy. Topics covered: (i) Indeterminate Beams – Propped Cantilever Beams (ii) Indeterminate Beams - Fixed Beams.

- Delivered a lecture on “Basics of Literature Collection and Futuristic Scope for Research in Coastal Structures in “A Virtual Mode of One Week National Level Faculty Development Program on Futuristic Research Scope in Civil Engineering” organized by CK College of Engineering and Technology, Cuddlore on 25th August 2022.
- Acted as Co-Chair Person in Indian Geotechnical Conference 2021 for theme 04 –Ground Improvement Techniques. Organized by Indian Geotechnical Society, Trichy Chapter in association with Department of Civil Engineering, NITT on December 16-18, 2021.
- Session coordinator - Indian Geotechnical Conference 2021 for theme 02 - Geotechnical, Geological and Geophysical Investigation. Organized by Indian Geotechnical Society, Trichy Chapter in association with Department of Civil Engineering, NITT on December 16-18, 2021.
- Acted as Joint Organizing secretary in Indian Geotechnical Conference 2021 organized by Indian Geotechnical Society, Trichy Chapter in association with Department of Civil Engineering, NITT. December 16-18, 2021
- Acted as jury in ‘Internal Hackathon for Smart India Hackathon 202’ at CARE College of Engineering, Trichy
- Delivered a lecture on “Effect of Tie-rod anchors on the behavior of Berthing Structure” at Institutions of Engineers, Tiruchirappalli on 22.10.19.
- Conducted STAAD Pro Level 1 workshop on 19.10.19 for NITTMoments’19 for participants from all over Tamil Nadu including participants from NITT
- Delivered a lecture on 6.01.16 for the Faculty Development Program on “Prefabricated Structures” sponsored by Anna University, held at M.A.M. College of Engineering, Tiruchirappalli.
- Delivered a lecture on 9.06.16 for TEQIP II Sponsored Faculty Development Program on “Prefabricated Structures” organized by the Department of Civil Engineering, Bharathidasan Institute of Technology, Tiruchirappalli from 4.06.16 to 17.06.16
- Acted as Co-Chair Person in the 6th Indian Young Geotechnical Engineers Conference on the theme of “Geo-Environmental Engineering” organized by Indian Geotechnical Society, Trichy Chapter in association with the Department of Civil Engineering, NITT on 10th and 11th March 2017.
- Delivered a lecture for CSIR Sponsored workshop on “Innovative Construction using Prefabricated Elements” at CARE Group of Institutions, Tiruchirappalli on 9.10.2013

LISTOF PUBLICATIONS

Refereed SCI/Scopus Indexed Journal Papers published:

1. **P.V.Premalatha**, L.K.Rex, N.Bharathkumar and A Cyril Thomas, “**Assessment of radioactivity in textile sludge incorporated bricks**”. Indian Journal of Engineering and Materials Sciences (IJEMS), CSIR-NISCAIR, Published online. Vol 30, pp. 165-171. ISSN: 0971-4588 (print) 0975-1017 (Online). <https://doi.org/10.56042/ijems.v1i1.49714> (SCIE, Annexure1)
2. **P.V.Premalatha**, K.Muthukkumaran and P.Jayabalan, “**Effect of tie rod anchor on the behavior of berthing structures**”. *Proceedings of the Institutions of Civil Engineers, Maritime Engineering, ICE Publications*, UK. Vol 174(4) pp. 102-111, October 2021. <https://doi.org/10.1680/jmaen.2017.28>. ISSN: 1741-7597 (SCIE, Annexure1)
3. L. K. Rex and **P.V.Premalatha**., “**Structural Performance of Concrete Beams with Micro-Reinforcement Strengthened with GFRP Laminates under Monotonic Loading**”. Journal of Testing and Evaluation. ASTM International. Vol 48, Issue 5, September 2020, pp.3779-3800. ISSN 0090-3973.<https://doi.org/10.1520/jte20170714> (SCIE, Annexure1)
4. S. Sivakumar, N. Almas Begum and **P.V.Premalatha**., “**Deformation analysis of suspended type cut off wall of diversion structures**”. Heliyon, Elsevier. Vol 5, pp 1-14, July 2019. ISSN 2405-8440. <https://doi.org/10.1016/j.heliyon.2019.e02213> (SCIE)
5. S.Sivakumar, N. Almas Begum and **P.V.Premalatha**., “**Numerical Study on deformation of diaphragm cut off Walls under Seepage Forces in Permeable Soils**”. Computers and Geotechnics. Elsevier. Vol 102, pp 155-163, October 2018. <https://doi.org/10.1016/j.compgeo.2018.06.015>. ISSN 0266-352X. (SCIE, Annexure1)
6. R. Ashok Kumar, N. Almas Begum and **P. V. Premalatha**., “**Study of partially embedded monopole subjected to transverse load on pile axis in layered soil**” International Journal of Civil Engineering and Technology (IJCIET), IAEME Journals. Vol 9(07), pp 1785-1793, July 2018. ISSN Print: 0976-6308 and ISSN Online: 0976-6316. (Scopus Indexed)
7. S.Sivakumar, N. Almas Begum and **P.V.Premalatha**., “**Effect of depth variations in deformation characteristics of cutoff walls**” International Journal of Civil Engineering and Technology (IJCIET), IAEME Journals. Vol 9 (05), pp 634-643. May 2018. ISSN Print: 0976-6308 and ISSN Online: 0976-6316. (Scopus Indexed)
8. Senthil kumar, K., **Premalatha, P.V.**, Baskar, K., Sankaran Pillai, G and P. Shahul Hameed, “**Assessment of Radioactivity in concrete made with E- waste Plastic**” Journal of Testing and Evaluation. ASTM International. Vol. 46(02), pp 574-579. March 2018. <https://doi.org/10.1520/jte20160006>. ISSN 0090-3973. (SCIE, Annexure1)
9. S.Sivakumar, N. Almas Begum and **P.V.Premalatha**., “**Behavior of partial seepage barrier in highly permeable soils**”. International Journal of Civil Engineering and

Technology (IJCIET). Vol 9 (02), pp 286-298, February 2018, ISSN Print: 0976-6308 and ISSN Online: 0976-6316. (Scopus Indexed)

10. Senthil Kumar, K., Premalatha, P. V., & Baskar, K. “**Evaluation of Transport Properties of Concrete Made With E-Waste Plastic**”. Journal of Testing and Evaluation, ASTM International. Vol. 45(5), pp. 1849-1853. 2017.[doi:10.1520/jte20160008](https://doi.org/10.1520/jte20160008). ISSN 0090-3973. (SCIE, Annexure1)
11. **P.V.Premalatha**, S.Senthil Kumar and K.Baskar, “**Influence of change in pile diameter at various locations of a pile group in a Berthing structure**” Indian Journal of Geo-Marine Sciences. Vol. 46(06), pp. 1198-1209, June 2017. ISSN: 0379-5136 (SCIE)
12. Velumani, P., SenthilKumar, S., and **Premalatha, P.V.**, “**An Innovative Approach to Evaluate the performance of Sludge-Incorporated Fly Ash Bricks,**” *Journal of Testing and Evaluation*, ASTM International, Vol. 44, No. 6, 2016, pp. 1-9. <https://doi.org/10.1520/jte20140508>. ISSN 0090-3973. (SCIE, Annexure1)
13. **P.V.Premalatha**, K.Muthukkumaran and P.Jayabalan, “**Experimental Study on behaviour of piles in berthing structure**” *Proceedings of the Institutions of Civil Engineers, Maritime Engineering, ICE Publications, UK*, - Vol.168 (4), pp 182-193, 2015. <https://doi.org/10.1680/jmaen.13.00012>. ISSN: 1741-7597. (SCIE, Annexure1)
14. **P.V.Premalatha**, S.SenthilKumar, K.Ramamoorthy and M.SenthilKumar, “**Influence of Humic Acid as an Admixture in Concrete**” *International Journal of Applied Engineering and Research*, Vol 10(9), 2015, pp. 23053-23062. ISSN 0973-4562. (Scopus Indexed till 2017)
15. Suresh Kannan. G, **Premalatha, P. V.**, and Baskar,K. “**Behaviour of Composite Deck Slab made using Steel Sheetswith Perforated Stiffeners**” *Structural Engineering International, Journal of IABSE (International Association for Bridge and Structural Engineering)* – Vol 44, No-03, Sep 2014, pp 137-147.ISSN: 1016-8664. (Scopus Indexed)
16. **P. V. Premalatha**, V. K. M.Raja and S. Senthilkumar, “**Performance analysis of repair materials in restoration of damaged concrete structures**”. *International Journal of Earth Sciences and Engineering-* Vol 07, No 2, April 2014, pp 704-711. ISSN:**0974-5904**. (Scopus Indexed till 2017).<http://cafetinnova.org/journals/ijee/about-journal/>
17. **P. V. Premalatha**, K. Muthukumaran, P. Jayabalan, “**Distribution of lateral load among the Piles of a Berthing Structure**” *International Journal of Earth Sciences and Engineering* – Vol 04, No-06, Dec 2011, pp 1129-1138. ISSN:**0974-5904** (Scopus Indexed till 2017). <http://cafetinnova.org/journals/ijee/about-journal/>

Other Journals:

18. **P.V.Premalatha**, K.MaryJayamani, V.S. Murali Krishnan and R. Parves Basha, “Experimental study on self-curing concrete using LECA and Sodium acrylate”, SSRG International Journal of Civil Engineering (SSRG – IJCE), Vol. 8 (4) 2021, pp 1-4. ISSN: ISSN: 2348 – 8352. doi:10.14445/23488352/IJCE-V8I4P101
19. **P.V.Premalatha**, C.Rhema Rose and K.A.Aboorvaraj, “**A comparison of Geopolymer Concrete blended with steel slag under sunlight and Ambient curing**”, Asian Journal of Applied Science and Technology (AJAST), Vol 2, Issue 1, Jan 2018, pp 55-62.ISSN: 2456-883X
20. Praveena, P, Bharathkumar, N and **Premalatha, P.V**, “**A Comparison on Potential Reuse of Textile Sludge from Tirupur and Perundurai as Construction material**”, AIIS Journal of Progress in Civil Engineering, Vol 4(2), Dec 2016, pp 33-40. ISSN: 2322-0856.
21. Rex, L.K, Sethuraman, V.S and **Premalatha, P.V**, “**Study on Modulus of Rupture of Steel Fibre Reinforced Concretes**”, AIIS Journal of Progress in Civil Engineering, Vol 4(1), June 2016, pp 27-34. ISSN: 2322-0856.
22. **Premalatha, P.V**, SenthilKumar, S and Mathavan, C, “**Utilization of waste Ceramics as Active Pozzolana in Sustainable Concrete Production**”. AIIS Journal of Progress in Civil Engineering, Vol 2. Issue 2, Jul-Dec 2014.ISSN: 2322-0856.
23. **P. V. Premalatha**, K. Muthukumaran, P. Jayabalan, “**Effect of dredging and tie-rod anchor on the behavior of berthing structure**” *International Journal of Engineering Science and Technology*, Vol 3, No 6, June 2011, pp 5099-5115. ISSN: 2141-2839

Book Publication:

- Sivakumar, S., Premalatha, P.V., Begum, N.A. (2023). Structural Behavior of Partial Seepage Barriers for Variations in Depth of Pervious Stratum. IGC 2021. Lecture Notes in Civil Engineering, vol 303. pp 369–382, Feb 2023. Springer, Singapore. https://doi.org/10.1007/978-981-19-7245-4_33. Print ISBN: 978-981-19-7244-7. Online ISBN: 978-981-19-7245-4.
- Aboorvaraj, K.A., Premalatha, P.V., Karthikeyan, A. (2023). Finite Element Analysis of Back-To-Back Mechanically Stabilized Earth Wall. IGC 2021. Lecture Notes in Civil Engineering, vol 303. pp 303–312, Feb 2023. Springer, Singapore. https://doi.org/10.1007/978-981-19-7245-4_27. Print ISBN: 978-981-19-7244-7. Online ISBN: 978-981-19-7245-4.
- P.V.Premalatha, K.Jayachitra, L.K.Rex (2023). A book chapter on “Nanomaterials in Energy Storage - Groundbreaking Developments” for the book, Materials for Sustainable Energy Storage at the Nanoscale (1st ed.). CRC Press. <https://doi.org/10.1201/9781003355755-22>. July 21, 2023. eBook ISBN 9781032405438. by CRC Press. Taylor and Francis.
- P.V.Premalatha and L.Kiruthika (2017). A book on “**Prefabricated Structures**” for final year 2013 regulation Anna University Syllabus – by KKS Publishers. ISBN: 978-93-83216-27-7. Dec 2017
- **Basic Level STAAD Pro V8i** book for UG and PG Civil Engineering students.
- **Advanced Level STAAD Pro V8i** book for UG and PG Civil Engineering students.

- Published a book on **PHYSICS** for UK based syllabus O-level students in Singapore - approved by Govt. of Singapore in 2003. ISBN: 981-04-8545-X (One of the four researchers cum authors). **Publisher:** Cosmic services, Singapore.
- **“Guidelines on Geo-synthetics for Coastal Protection and Port Works”** submitted to Ministry of shipping in July 2021. Worked with IIT professors in preparing the guidelines.

SEMINAR/WORKSHOP/TRAINING PROGRAM

S.No	TOPIC	ORGANISER	Date and Place
1	Precast Concrete Lightweight Large EPS Panels for Mass Housing	CSIR-Structural Engineering Research Centre (SERC), Chennai	2 nd March 2020, Chennai
2	The Need for Quality in Education	CII (Confederation of Indian Industry) Tamil Nadu Higher Education Conclave 2019	19th Dec 2019 @ Ramyas Hotels, Trichy
3	5 th Arvind Verma Memorial Lecture on “Role of Instrumentation in Geotechnical Engineer”	National Institute of Technology, Tiruchirappalli and Indian Geotechnical Society Trichy Chapter. Sponsored by AIMIL	6 th Dec 2019 National Institute of Technology, Tiruchirappalli
4	Two Days workshop “Recent Trends in Geotechnical Engineering”	Indian Geotechnical Society, Trichy Chapter in association with Department of Civil Engineering, NITT	7 th and 8 th June 2019.
5	National Conf on Application of Geo-synthetics in Ports, waterways and Coasts.	Department of Ocean Engineering, Indian Institute of Technology, Madras	24 th Nov 2018.
6	International Short course on Subsurface Construction and Maintenance using Geosynthetics	Department of Civil Engineering, AMRITA Vishwa Vidyapeetham, Coimbatore.	21 st September 2018
7	Preconference workshop on “Modernisation of Ports”	Department of Ocean Engineering, IIT Madras	16 th and 17 th February 2018.
8	Terzaghi Memorial Seminar on “Dynamics of Soils and Foundations”	Indian Geotechnical Society, Trichy Chapter in association with Department of Civil Engineering, NITT	14 th October 2017
9	Applications of Civil Engineering in Space Technology	Department of Civil Engineering, CARE Group of Institutions	23 rd September 2017
10	One day National Seminar on Development of sustainable Geopolymer concrete	N.S.N. College of Engineering and Technology, Karur	10 th March 2017

11	Water resource management, Conditions assessment of structure, Solar system, Development Control Regulation in Town planning	Civil Engineers Association of Tiruchirappalli of CEATRON 2016, KarunaMahal, Hotel Mayas, Trichy - 02	19 th April 2016,
12	TEQIP-II and Indian Geotechnical Society, Trichy chapter sponsored two days national workshop on“Challenges in Geotechnical Society”	Department of Civil Engineering, NITT	14 th – 15 th February 2014.
13	Application of PLAXIS 3D for Dynamics and Earthquake Analysis	IIT, Madras	12 th February 2014
14	Application of PLAXIS 3D for Tunnelling and Excavations	IIT, Madras	11 th February 2014
15	Clean Coal, carbon capture and Storage Technologies	At Sangam Hotel	2 nd December 2013
16	Green Building Concepts and its advantages	Department of Architecture, CARE Group of Institutions	15 th March 2013
17	Orientation workshop on Outcome Based Accreditation process and parameters for Evaluators/Stake holders	CARE Group of Institutions	Oct 16 th 2012
18	Short course on Perspectives of offshore Engineering	Dr.Sannasiraj and Dr.NilanjanSaha, Department of Ocean Engineering, Indian Institute of Technology, Madras.	Dec 19-23 rd 2012.
19	Short Term Course on “Introduction to Forensic Engineering and Failure Analysis” conducted by NIT Trichy and University of North Carolina at Charlotte, USA.	Dr. Shen-En Chen Department of Civil and Environmental Engineering, University of North Carolina at Charlotte, NC, USA.	Jan 9-13, 2012
20	INDO-US FORENSIC ENGINEERING WORKSHOP 2010 (INDUSSEW)	Department of Civil and Environmental Engineering, University of North Carolina at Charlotte, NC, USA.	15-17 Dec 2010
21	Workshop on ‘Concrete Mix Design’	Prof.R.Jayashankar / Dr.K.Palanichamy Dept of Civil Engineering National Institute of Technology Tiruchirapalli	10 th March 2010
22	Workshop on ‘Awareness Programme on Intellectual	Dr.N.Kumaresan/Dr.N.Ammasai gounden.	20 th November 2008.

	Property Rights'	Under Technical Education Quality Improvement Programme.	NITT
23	Motivational Programme for Success	M/s.RIPE Institute Chennai	14 th and 15 th Feb 2008 NITT
24	Infrastructural Engineering	Dr.S.T.Ramesh/Dr.C.Natarajan Dept of Civil Engineering National Institute of Technology Tiruchirapalli	17-18 Dec 2007 NITT
25	Advances in Steel Structural Design and Applications	Dr.K.Baskar/P.Jayabalan Dept of Civil Engineering National Institute of Technology Tiruchirapalli	19 th and 20 th Dec 2007 NITT
26	Geotechnical Investigation and Decision Making in Foundation	Dr.K.Muthukumaran/Dr.K.Baskar Dept of Civil Engineering National Institute of Technology Tiruchirapalli	23.10.07 NITT
27	Quality Sustainability and Social Responsibility: Interfaces in Technical Education in the Context of Globalization	Bannari Amman Institute of Technology, Sathyamangalam	14-16 Dec 2006
28	Role of Engineers in Natural Disaster Mitigation and Management	Dr.S.Kandasamy, Head Department of Civil Engineering Government College of Engineering, Salem	Engineer's Day Celebration 15.09.06 Salem
29	Natural Resources and its conservation	Dr. M.Maheswari Associate Professor Dept of Environmental Sciences TNAU, Coimbatore	World Environmental Day-30.08.06 Salem
30	Short course on "Non-linear Seismic Analysis of Structures"	Course coordinators:Prof. C V R Murthy, Prof. S. K. Jain,Prof. DurgeshRai, IIT Kanpur	Oct 14 th 2006 – 18 th 2006 Short course

Reputed Conference Papers:

1. **P.V.Premalatha**, M.Geethanjali, T.Rahuraman and S.Gurusaran (2023). "Experimental Study on concrete behavior with Partial Replacement of M-Sand with Unexpanded Perlite. 023 International Conference on Sustainable Technologies in Civil and Environmental Engineering (ICSTCE 2023). Pimpri, Pune, India, June 15-16, 2023. Published in E3S Web of Conferences. Volume 405 (2023). Published online: 26 July 2023. DOI: <https://doi.org/10.1051/e3sconf/202340503020>

2. **P.V.Premalatha**, M.Geethanjali, S.Sundararaman and C.S.Murali (2023). An Experimental Investigation on Self-Healing Concrete Using "Bacillus Subtilis". International Conference on Advanced Technologies in Chemical, Construction and Mechanical Sciences (ICATCHCOME 2023), Scopus Indexed, organized by KPR Institute of Engineering and Technology, Coimbatore, India held during 09 - 10, February 2023.
3. **P.V.Premalatha**, L.K.Rex, M.Geethanjali and A.Mustafa (2022). "An Experimental Investigation on Self-Healing Bio-Concrete capable of Retaining its own crack". AICTE Sponsored International Conference on "Emerging Innovative Technologies in Engineering (ICEITE'22)" organized by Sri Manakula Vinayagar Engineering College, Puducherry, India held during 13-15, July 2022.
4. S.Sivakumar, **P.V.Premalatha** and N. Almas Begum (2021). "Structural Behaviour of Partial Seepage Barrier for variations in Depth of Pervious Stratum". Proceeding of Indian Geotechnical Conference 2021. December 16-18, *National Institute of Technology, Tiruchirappalli*. Lecture Notes in Civil Engineering, vol 303. pp 369–382, Feb 2023. Springer, Singapore. https://doi.org/10.1007/978-981-19-7245-4_33. Print ISBN: 978-981-19-7244-7. Online ISBN: 978-981-19-7245-4.
5. K.A.Aboorvaraj, **P.V.Premalatha** and A.Karthikeyan (2021). "Finite Element Analysis of Back-to-Back Mechanically Stabilized Earth Wall" Proceeding of Indian Geotechnical Conference 2021. December 16-18, *National Institute of Technology, Tiruchirappalli*. Lecture Notes in Civil Engineering, vol 303. pp 303–312, Feb 2023. Springer, Singapore. https://doi.org/10.1007/978-981-19-7245-4_27. Print ISBN: 978-981-19-7244-7. Online ISBN: 978-981-19-7245-4.
6. **P.V.Premalatha**, S.SenthilKumar, C.S.Murali and K.VetriAadithiya (2022). "Profound probing of Groundnut Shell Ash (GSA) as Pozzolanic Material in making innovative sustainable construction material" *Materials today Proceedings, Elsevier*. Vol. 49, pp. 1275-1280. Global Conference on Recent Advancement in Sustainable Materials, 29-30 July 2021, *Mangalore, Karnataka*, India. doi: [10.1016/j.matpr.2021.06.367](https://doi.org/10.1016/j.matpr.2021.06.367)
7. **P.V.Premalatha**, S.M.Madhumathy and R.Sundaravadivelu (2018). "River training and river bank protection using Geosynthetics – A case study on Noyyal river, Tiruppur, India". *Proceedings of National Conf on Application of Geo-synthetics in Ports, waterways and*

Coasts. 24th Nov 2018. Department of Ocean Engineering, *Indian Institute of Technology, Madras*.

8. P. Praveena, N. BharathKumar and **P.V.Premalatha**(2014). “Stabilization of soft organic soil using dye sludge ash & Flyash”. *TEQIP II Sponsored International Conference on Environmental Geotechnics* (ICEGEO’14), p. 119-124. 30-31 October 2014, Anna University, Trichy.
9. **P. V. Premalatha**, A. Jennifer and S. Shree Janarthanan (2013): “Utilization of waste tyre in manufacturing of non-structural concrete”. Proceedings of International Conference on Structural Engineering & Construction Management - ICSECM 2013, p-94-106, Kandy, *Sri Lanka*, 13-15 December 2013.
10. **P. V. Premalatha**, K. Muthukumar, P. Jayabalan, (2011): “Behaviour of piles supported berthing structure under lateral loads”. Proceedings of *Pan-Am CGS Geotechnical Conference* (14th Pan-American Conference on Soil Mechanics and Geotechnical Engineering) 2-6 October, 2011, *Toronto, Ontario, Canada*.
11. **P. V. Premalatha**, K. Muthukumar, P. Jayabalan, (2010): “Analysing the Optimum Length of Tie Rod Anchors for a Berthing Structure”. Proceedings of *Indian Geotechnical Conference – Geotechnics in Infrastructure Development (GEOTIDE)*, p-127-130, IGC 2009, *GUNTUR, Andhra Pradesh*, India. 18-20 Feb. 2010
12. **P. V. Premalatha**, G. Sandeep, P. Jayabalan, K. Muthukumar (2009): “Numerical Modelling and Analysis of a Berthing Structure with Tie Rod”. Proceedings of International Conference in Ocean Engineering, p-128, ICOE 2009, *IIT Madras*, India. 1-5 Feb. 2009

Other Conference Papers:

13. P.Sivasakthi, M.Geetanjali and **P.V.Premalatha** (2022). “**Flexural behavior of Hybrid fiber reinforced beam**”. National Conference on Recent Trends and Innovations in Civil Engineering, NC-RTICE’22”. Organized by Department of Civil Engineering, Kings College of Engineering, Pinalkulam, Pudukkottai on 09.06.2022.
14. S.Divya, M.Geetanjali and **P.V.Premalatha** (2022). “**Experimental Investigation on Concrete reused aggregate and Silica fume**”. National Conference on Recent Trends and Innovations in Civil Engineering, NC-RTICE’22”. Organized by Department of Civil Engineering, Kings College of Engineering, Pinalkulam, Pudukkottai on 09.06.2022.

15. **P.V.Premalatha**, C.Rhema Rose and K.A.Aboorvaraj (2017). “**A Study on Strength Characteristics of Geopolymer Concrete Blended with Flyash using Steel Slag**”. Proceedings of IEEE-sponsored International Conference on Recent Advances in Engineering and Technologies – ICRAET organized by Sri Krishna College of Engineering and Technology, Coimbatore during 28th and 29th December 2017. Pp 56.
16. R.Keerthana, Subram and **P.V.Premalatha** (2017). “**Dry Excavation using a tie backwall**”. Proceedings of International Conference on Newer Engineering Concepts & Technology iConnect2K17 on 28th and 29th March 2017, K. Ramakrishnan College of Technology, Tiruchirappalli. pp 117-129
17. A.Johnpetricieya, R.Suren and Dr.P.V.Premalatha (2017). “**Partial Replacement of coarse aggregate with E-wastes in paver blocks**”, Proceedings of Conference on Research and innovative trends in Engineering NRITE’17 on 24th March 2017, M.A.M. College of Engineering and Technology, Tiruchirappalli. pp 106-109.
18. S.Subram, R.Keerthana, S.Preetha and **P.V.Premalatha**(2017). “**Seepage Analysis of Check Dam near Kambarasampettai**”, Proceedings of Conference on Research and innovative trends in Engineering NRITE’17 on 24th March 2017, M.A.M. College of Engineering and Technology, Tiruchirappalli. pp 45-55.
19. L.K.Rex, S.V.Sethuraman and **P.V.Premalatha**(2016).“**Assessment of Flexural performance of steel fibre in normal and high strength concrete**” Proceedings of National Conference on Emerging Trends in Civil Engineering CETCE 2016, 2nd and 3rd March 2016, CARE Group of Institutions, Tiruchirappalli. India. pp 143-151.
20. P.Praveens, N. Bharathkumar and **P.V.Premalatha** (2016).“**An Investigative approach on potential reuse of textile sludge as a construction material**”. Proceedings of National Conference on Emerging Trends in Civil Engineering CETCE 2016, 2nd and 3rd March 2016, CARE Group of Institutions, Tiruchirappalli. India. pp 42-50
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