

Cellphone : 9566003802

e-Mail ID : kvprema@annaiv.edu

Address : No.19, DWARAKA, 2nd CROSS STREET,
RATHINAMANI NAGAR, PERUNGUDI, CHENNAI-
600096



Present Position

Professor, Department of Civil Engineering, College of Engineering Guindy, Anna University, Chennai from January-2009.

Present Additional Responsibility

- > Director, Prevention of Sexual Harassment Cell, Anna University, Chennai from July-2020.
- > Nodal Officer, Ek Bharath Shreshtha Bharath, Anna University, Anna University, Chennai from June-2020.
- > Adjunct Faculty, Centre for Disaster Mitigation and Management, Anna University, Chennai from June-2009.

Previous Positions

- > Associate professor, Department of Civil Engineering, College of Engineering Guindy, Anna University, Chennai during January-2006 and December-2008.
- > Assistant Professor, Department of Civil Engineering, College of Engineering Guindy, Anna University, Chennai during August-2002 and December-2005.
- > Lecturer Sl.Grade, Department of Civil Engineering, College of Engineering Guindy, Anna University, Chennai during March-2002 and August-2002.
- > Lecturer Sr. Grade, Department of Civil Engineering, College of Engineering Guindy, Anna University, Chennai during March-1996 and March-2002.
- > Lecturer, Department of Civil Engineering, College of Engineering Guindy, Anna University, Chennai during March-1990 and March-1996.
- > Teacher Trainee, Department of Civil Engineering, College of Engineering Guindy, Anna University, Chennai during December-1986 and March-1990.

Previous Additional Responsibility

- > Zonal Coordinator, , Anna University, Chennai during August-2018 and December-2019.

- Head Of The Division, Division of Soil Mechanics and Foundation Management, Anna University, Chennai during August-2013 and December-2018.
- Additional Controller Of Examinations, College of Engineering Guindy, Anna University, Chennai during June-2006 and December-2006.

Other Employment

- , .

Degree

- ❖ M.E. in Soil Mechanics and Foundation Engineering, COLLEGE OF ENGINEERING GUINDY, ANNA UNIVERSITY (1987 - 1990).
- ❖ B.E. in Civil and Structural Engineering, College of Engineering, Annamalai Nagar,, Annamalai University (1982 - 1986).

Research Degree

- ❖ Ph.D. in SOIL MECHANICS AND FOUNDATION ENGINEERING from Faculty of CIVIL ENGINEERING, COLLEGE OF ENGINEERING GUINDY, ANNA UNIVERSITY (1995 - 2002).
Title: Prediction of Heave using Soil Water Characteristic Curve and Analysis of Stiffened Raft on Expansive Clays of Chennai .

Area of Specialisation

- Constitutive Behaviour of Soil
- Geotechnical Earthquake engineering
- Foundation Engineering
- Ground Improvement Technique
- Unsaturated Soil Mechanics

Membership in Professional Organization

- National Executive Committee member of Indian Geotechnical Society
- M.I.G.S
- M.I.S.T.E
- Fellow of Institution of Engineers

- > Member in International Geo synthetics Society
- > Member in Society of Science
- > Member in Engineers Hub, Chennai
- > Member International WHO"SWHO historical Society
- > Member in NPTEE
- > International society for Soil Mechanics and Geotechnical Engineering
- > Indian Society of Earthquake Technology

Research Guidance

Number of Ph.D Scholars Guided	: 1
Number of Ph.D Scholars Guiding	: 10
Number of M.S (By Research) Students Guided	: 2
Number of M.E./ M.Tech. Projects Guided	: 121
Number of M.E./ M.Tech. Projects Guiding	: 4
Number of Ph.D Scholars Guided as Joint-Supervisor	: 1

Papers Published in Journals

Research Papers Published in International Journals	: 22
Research Papers Published in National Journals	: 4

1. Premalatha K, Boominathan S, "Interference effects of adjacent footings on settlement estimates", IGJ, Vol. 1, Issue 27, pp. 1-11 (1997).
2. Premalatha K, "Analysis of Stiffened Raft on Expansive Clays of Chennai, Tamil Nadu", Journal of Current Sciences, Vol. 10, Issue 1, pp. 1-10 (2007).
3. P.Anbazhagan, SharanBasavaraj, K.Premalatha, " Liquefaction Hazard Mapping of Chennai, India using SPT Data", International Journal of Earth Sciences and Engineering, Vol. 4, Issue 2, pp. 223-232 (2011).
4. K.Premalatha, D.Nagarajan, "foundation Failure of a Residential building - A Case Study", International journal of Engineering research and Applications, Vol. 4, pp. 26-30 (2014).
5. K.Premalatha, D.Nagarajan, "Investigation of Foundation Failure of a Residential Building", International journal of Scientific and Technology Research, Vol. 3, pp. 57-60 (2014).
6. D. Mohan babu, K.Premalatha, "Simplified Wedge Analysis of Nailed Soil Wall", Electronic journal of Geotechnical Engineering, published by Oklahoma State University. Vol. 19, pp. 4529-4535 (2014).

7. K.Premalatha and R.Uma Maheshwari, " Development of site-specific Design response spector for Chennai city", Disaster Management, published by Narora Publishing House Pvt Ltd. pp. 40-47 (2014).
8. K.Premalatha, J. Logeshwari, " Stress Strain Behaviour of clayey sand", EJGE, published by Oklahoma State University. Vol. 19, pp. 775-780 (2014).
9. K.Premalatha, K.Raja, S.Hariswaran, "Influence of tunneling on an existing Pile foundation", International journal of Engineering Research and Technology, Vol. 4, pp. 477-483 (2015).
10. S.Hariswaran, Dr.K.Premalatha, K.Raja, " Performance of Strip footing on Sandy soil due to tunneling.", International journal of Advanced Engineering Technology, Vol. 7, pp. 516-520 (2016).
11. R.Arivazhagan; K.Premalatha, "Influence of grain size and its distribution on the hyperbolic parameters of sand", Journal of Computational and Theoretical Nanoscience , published by American scientific publishers. Vol. 15, pp. 1-9 (2018).
12. Premalatha K, Angammal S, "Suction- Swell Relationship of Stabilized Expansive Soil", International journal of Engineering Research and Technology, published by International journal of Engineering Research and Technology. Vol. 8, Issue 11, pp. 197-203 (2019).
13. Premalatha K, Annie Varshini Raj A, "Study on Suction Swell Characteristics of Expansive Clays", International journal of Engineering Research and Technology, published by International journal of Engineering Research and Technology. Vol. 8, Issue 11, pp. 226-232 (2019).
14. Premalatha K, K. Arunkumar, "Influence of Surface roughness, Nail inclination and L/H ratio in the Stability of Nailed Earth Wall", International journal of Engineering Research and Technology, published by International journal of Engineering Research and Technology. Vol. 8, Issue 9, pp. 1-6 (2019).
15. Dr.Premalatha.K Anandha Raj.L, "Stability Analysis of Screw and Thorn Nailed Soil Wall", International Journal of Engineering Research and Technology Volume 8, Issue 8, August 2019, published by International journal of Engineering Research and Technology. Vol. 8, Issue 8, pp. 1-7 (2019).
16. Premalatha K, Akshaya R, "Influence of Density of Sand on the Axial Force, Shear Force and Bending Moment in Driven Nailed Soil Wall", International journal of Engineering Research and Technology, published by International journal of Engineering Research and Technology. Vol. 8, Issue 11, pp. 207-214 (2019).
17. Jency Christy E, Jenifer Dharshini Raj.M, Kavipriya. A, Sabari. D, Premalatha. K, "Suitability of M-Sand Dust in Civil Engineering Application", International Journal of Innovative Science and Research Technology, published by IJISRT (International Journal of Innovative Scienc. Vol. 4, Issue 6, pp. 710-716 (2019).
18. Premalatha K, Anandha Raj L, "Stability Analysis of Screw and Thorn Nailed Soil Wall", International Journal of Engineering Research & Technology, published by IJERT. Vol. 8, Issue 8, pp. 186-189 (2019).

19. Priyadharshini Maniam Rajan, Premalatha K, " Termination Criteria of Bored Pile Subjected to Axial Loading", Indian Geotechnical Journal, published by Springer. Vol. 49, Issue 5, pp. 566-579 (2019).
20. *Premalatha K, Muthulakshmi K, Bhuvanapriya D, Nikesh L, Vinitha M, Jakkammal Devi M, "Analysis of pile foundation in Liquefaction", International Journal for Research in Engineering Application & Management, published by IJREAM. Vol. 5, Issue 3, pp. 368-374 (2019).
21. R.Arivazhagan, Dr.K.Premalatha, "Evaluation of Material Model Parameters of Sand, Silt, and Sand-Silt Mixtures", Solid State Technology, published by Solid State Technology. Vol. 63, Issue 6, pp. 16944-16960 (2020).
22. K.Sabarishri, Dr.K.Premalatha, "Material Constants for Voids/Cement Ratio – Uniaxial Compressive Strength Relationship for Sands of Different Gradations", Solid State Technology, published by Solid State Technology. Vol. 63, Issue 6, pp. 16961-16973 (2020).
23. Raja Kanagaraju, Premalatha Krishnamurthy, "Influence of Tunneling in Cohesionless Soil for Different Tunnel Geometry and Volume Loss under Greenfield Condition", Advances in Civil Engineering, published by Hindawi. pp. 1-11 (2020).
24. Arivazhagan R, Xavier Vedha Rayan B.S Abinanda N.R Swathi.K and Premalatha.K, "Effect of Fines on Peak Friction Angle and Critical Friction Angle", Test Engineering and Management, published by The Mattingley Publishing Co., Inc.. Vol. 82, pp. 6349 - 6361 (2020).
25. MUTHU KUMAR M, Premalatha K, "GEOGRID REINFORCEMENT ON SURFACE LOADED SAND MEDIUM", Ciencia e Tecnica Vitivinicola., published by Printed in portugal. Vol. 35, Issue 1, pp. 16-24 (2020).
26. R.Arivazhagan, Dr.K.Premalatha, K.B.Pasupathy, M.Muthukumaran, K.Sabarishri, "Studies on the significance of Grain Size Distribution in the Coastal Sedimentary Environments", Solid State Technology, published by Solid State Technology. Vol. 64, Issue 1, pp. 822-839 (2021).

Papers Presented in Programmes

Research Papers Presented in International Programmes : 25
Research Papers Presented in National Programmes : 62

1. Premalatha K, "Engineering Properties of unsaturated soils (Volume Change and Permeability)" presented in a International level conference on Proceeding of the Asian conference on unsaturated soils, 2000, Singapore .
2. Premalatha K, "An appraisal on evaluation of axial load carrying capacity of bored piles" presented in a National level conference on Proceedings of Indian Geotechnical conference 2000, organised by New Delhi, India .
3. "Effect of Tunneling in existing buried pipe line" presented in a National level conference on Proceedings Indian Geotechnical Conference. 1999, India .
4. "Soil Water characteristic curve of Chennai clays" presented in a National level conference on Proceedings Indian Geotechnical Conference 1999, organised by Calcutta, India .

5. Premalatha K, Anand, "Influence of Reinforcement in the vertical stress distribution of reinforced Sand medium" presented in a International level conference on 10th International conference on Geosynthetic, Berlin .
6. Premalatha K, Kalphana R, "Visco Plastic Behaviour of Soft Clays" presented in a National level conference on Proceeding Indian Geotechnical conference 1998, organised by New Delhi, India .
7. "Prediction of Heave of Expansive clays of Chennai City" presented in a National level conference on Proceedings Indian Geotechnical Conference.1998, organised by New Delhi, India .
8. "Knowledge Based Expert system for Designing Precast concrete piles using ANN" presented in a National level conference on National conference on Advance Data Based and Application.1998, organised by Anna University, Chennai, India .
9. "Influence of Reinforcement in the elastic modulus of reinforced Sand medium" presented in a International level conference on 10th International conference on Geosynthetic, Berlin .
10. "Application of wave Equation analysis in installation of driven piles" presented in a National level conference on National conference on Geotechnical Engineering 1997, organised by Vizag, India .
11. Premalatha K, Senthil sai k, "Practice of Heavy compaction in pavement construction-A Cost Effective measure" presented in a National level conference on Proceedings Terzaghi 1997, National conference on Geotechnical engineering, organised by Vizag, India .
12. Premalatha K, "Influence of Presence of Abandoned Pile in load Carrying capacity of Existing Pile Foundation" presented in a National level conference on Proceedings of IGC 2015, organised by pune, India .
13. Premalatha K, "Influence of tunneling on adjacent existing Pile foundation" presented in a National level conference on Proceedings of IGC 2015, organised by pune, India .
14. Premalatha K, Abdul Aflah J, "Unconfined Compressive Strength of Dispersive Soils" presented in a National level conference on Proceedings of IGC 2014, organised by Kakinada, India .
15. Premalatha K, Banupriya S, "Effect of Non-Plastic Fines on Stress-Strain Characteristics of Sand" presented in a National level conference on Proceedings of IGC 2014, organised by Kakinada, India .
16. Premalatha K, Anand, Muthukumar M, "Influence of Reinforcement in the vertical stress distribution of reinforced Sand medium" presented in a National level conference on Proceedings of IGC 2013, organised by IIT Roorkee, India .
17. Premalatha K, Sundaravel.V, "Pseudo-dynamic Analysis of Cantilever Retaining Wall" presented in a National level conference on Proceedings of IGC 2013, organised by IIT Roorkee, India .

18. Premalatha K, Nagarajan D, "Investigation of foundation failure of a residential building" presented in a National level conference on Proceedings of IGC 2013, organised by IIT Roorkee, India .
19. premalatha K, Logeshwari.J, "Stress strain Behaviour of Clayey Sand" presented in a National level conference on Proceedings of IGC 2013, organised by IIT Roorkee, India .
20. Premalatha K, Vijayakumar. V, "Suction-well relationship of stabilized expansive soil" presented in a National level conference on Proceedings of IGC 2013, organised by IIT Roorkee, India .
21. premalatha K, Logeshwari.J, "Undrained Stress Strain Behavior of Clay of low Plasticity" presented in a National level conference on Proceedings of IGC 2013, organised by IIT Roorkee, India .
22. premalatha K, Hariswaran S, "Performance of strip footing due to tunneling" presented in a National level conference on Proceedings of IGC 2012, organised by New Delhi, India .
23. Premalatha K, Raja K, "Prediction and comparison of ground movement due to tunneling using X-disp software" presented in a National level conference on Proceedings of IGC 2012, organised by New Delhi, India .
24. Premalatha K, Balaji.R, "Improvement of Medium soft clay using fiber quarry Dust mix hybrid system of reinforcement" presented in a National level conference on Proceedings of IGC 2012, organised by New Delhi, India .
25. Premalatha K, Raja K, Hariswaran S, "Influence of rainfall in the stability of hill slope" presented in a National level conference on Proceedings of NCRAG 2012, organised by GCT, India .
26. Premalatha K, AmalaRajuArul, "Investigation into the distress failure of Structures at Manali, Chennai" presented in a National level conference on Proceedings of IGC 2009, GEOTIDE, India .
27. Premalatha K, Muthukumar.M, MohanBabu D, "Analysis and design of Nailed Soil wall - A case study" presented in a National level conference on Proceedings of IGC 2009, GEOTIDE, India .
28. Premalatha K, Suriya. Pa, "Characterization of soil water characteristics curve and its use in Dewatering" presented in a National level conference on Proceedings of IGC 2009, GEOTIDE, India .
29. Premalatha K, Muthukumar.M, "Analysis and design of Nailed Soil wall - A case study" presented in a National level conference on National conference on Modern trends in Civil Engineering , organised by Dr. Sivanthi Aditanar College of Engineering,Tiruchendur., India .
30. Premalatha K, Vijayakumar. R, "Stability Analysis of Nailed Earth Structure" presented in a National level conference on Proceedings of IGC 2008, organised by IISc Bangalore, India .
31. Premalatha K, Manojkumar.G, "Insitu Stabilization of Soft to medium clay using Geogrid" presented in a National level conference on Proceedings of IGC 2008, organised by IISc Bangalore, India .

32. Premalatha K, "Development of site specific Design Response spectra for Chennai city" presented in a National level conference on Pre- Conference lecture- National Conference on Earthquake Risk Assessment and Management 2007, organised by St.Peter's Engineering College., India .
33. Premalatha K, Boornima S, "Earthquake Resistant Design of pile Foundations" presented in a National level conference on National Conference on Earthquake Risk Assessment and Management 2007, organised by St.Peter's Engineering College., India .
34. Premalatha K, Shamini.S, "Analysis of Isolated Footing Subjected to horizontal Vibrations" presented in a National level conference on National Conference on Earthquake Risk Assessment and Management 2007, organised by St.Peter's Engineering College., India .
35. Premalatha K, Mahadevi K, "Kinematic Limit Analysis of Nailed Earth Structures" presented in a National level conference on Proceedings of IGC 2006, India .
36. Premalatha K, Jansirekha D, "Prediction of Heave of Fine Grained Soil Due to Wetting Based on SWCC" presented in a National level conference on Proceedings of IGC 2006, India .
37. Premalatha K, Sathesh Kumar M.S, "Performance of Isolated foundation Subjected to Horizontal Vibrations." presented in a National level conference on Proceedings of IGC 2006, India .
38. Premalatha K, Venmaldevi N, "Design of Stiffened raft on expansive clay of Chennai" presented in a National level conference on Proceedings of National Conference on case studies in Geotechnical Engineering,2005, organised by IISc Bangalore, India .
39. Premalatha K, "Development of site specific Design Response spectra for Chennai city" presented in a National level seminar on National Seminar on Disaster Management role of Meteorology and allied Disciplines, , organised by BIT, Jharkhand, India .
40. Premalatha K, , "Dynamic behavior of soil due to earthquake induced ground motion" presented in a National level conference on National Conference on Advanced Geotechnical Engineering., India .
41. Premalatha K, Kishore kumar.B, "Determination of Critical state line and surface for Chennai clay" presented in a National level conference on Proceedings in National Symposium on Advances in Geotechnical Engineering, India .
42. Premalatha K, Sushume, Vepakoma, "Performance of Synthetic materials in expansive soils" presented in a National level conference on Proceedings Indian Geotechnical Conference, India .
43. Premalatha K, Padmavathi M, "A Preliminary study on Ground Contamination at Perungudi" presented in a National level conference on Proceedings of Conference on green Building Concepts., organised by Association of consulting Civil engineers, Madurai, India .
44. Premalatha K, Manimaran P, "Stabilization of expansive clay using chemicals" presented in a National level conference on Proc. National Symposium on advances in geotechnical, India .

45. premalatha K, Subramanian M, "Index and Engineering Properties of soil-quarry dust-fly ash mixes" presented in a National level conference on proc. Conference on Green Building concepts., organised by Association of consulting Civil engineers, Madurai, India .
46. Premalatha K, Mukesh M.D, chandrasekhar Babu, "Prediction of Unsaturated permeability function" presented in a National level conference on Proc. Indian Geotechnical conference, 2002, India .
47. Premalatha K, Mukesh M.D, "Prediction of heave using soil water characteristic curve" presented in a National level conference on Proc. Indian Geotechnical conference, 2002, India .
48. Premalatha K, "Evaluation of axial load carrying capacity of bored piles" presented in a National level conference on Proc. National Conference on Bored piles 2001., India .
49. Premalatha K, "Soil water characteristic curve of expansive clays" presented in a National level conference on Proc. National Geotechnical conference 2000, India .
50. Premalatha K, "Engineering Properties of Unsaturated soils" presented in a National level conference on Proc. of the Asian Conf. on Unsaturated soils, Singapore .
51. "Prediction of Volume change characteristics of Expansive soil" presented in a International level conference on Proceedings of Asian Conference on unsaturated soil from theory to practice, Singapore from 18-May-2000 to 19-May-2000.
52. "Soil Water characteristics of Expansive clay and application in unsaturated soil Mechanics" presented in a International level conference on 4th International Congress on Advance in Civil Engineering , organised by Gazimagase, Singapore from 01-Nov-2000 to 03-Nov-2000.
53. Premalatha. K, Anbalagan. S, "An appraisal on evaluation of axial load carrying capacity of bored piles" presented in a National level conference on Indian Geotechnical Conference, organised by Indian Institute of Technology , New Delhi., India from 19-Dec-2000 to 22-Jan-2000.
54. "Microzonation of liquefaction and amplification potential of Chennai city" presented in a International level workshop on Proceedings of the International workshop on risk assessment in site characterization and Geotechnical Design , organised by Bangalore, India from 26-Nov-2004 to 27-Nov-2004.
55. Premalatha. K, Srilakshmi, "Interaction studies on axially loaded piles and pile groups" presented in a International level conference on Proceedings of International Conference on Soil Structure interaction; calculation methods and engineering practice., Russia from 10-May-2005 to 13-May-2005.
56. "Tension test on saturated and unsaturated soil" presented in a International level conference on Proceedings of International Conference on Problematic soil from 25-May-2005 to 27-May-2005.
57. Premalatha.K, Purushothaman P, "Prediction of Heave and shrinkage settlement of Expansive clays of Chennai " presented in a International level conference on Proceedings of International Conference on Problematic soil from 25-May-2005 to 27-May-2005.

58. "Microzonation of Chennai City" presented in a International level conference on International Conference on Tsunami, Disaster Management and Coastal Development, India from 30-Jul-2005 to 31-Jul-2005.
59. "Prediction of Tsunami Run-Up Height along Chennai Coast" presented in a International level conference on International Conference on Tsunami, Disaster Management and Coastal Development, India from 30-Jul-2005 to 31-Jul-2005.
60. Premalatha K, Anbalagan K, "Microzonation of Liquefaction factor of safety of Chennai City." presented in a National level conference on Proceedings in Indian Geotechnical Conference, organised by IIT Madras, India from 17-Dec-2005 to 19-Dec-2005.
61. "Performance of Pile foundations subjected to horizontal vibration" presented in a International level conference on 8th International Conference on Earthquake Engineering, Singapore from 06-Aug-2008 to 08-Aug-2008.
62. "In-situ Stabilization of Soft Clay Using Geogrid" presented in a International level conference on Geosynthetics for Africa-cape Town , South Africa from 02-Sep-2009 to 05-Sep-2009.
63. Premalatha K, Padmavathi M, "A study on Ground Contamination of perungudi, Chennai, India" presented in a National level conference on Proceedings of national conference on advances in Environmental Engineering from 14-Nov-2009 to 15-Nov-2009.
64. "Soil Water Characteristic Curves of Expansive Clays" presented in a International level conference on 4th Asia-Pacific Conference on Unsaturated soils, Australia from 23-Nov-2009 to 25-Nov-2009.
65. "Simplified Method Of Design Of Nailed Soil Wall" presented in a International level conference on GeoFlorida Advances in Analysis And Design , organised by Palm Beach Country Convention Center, West Palm Beach ,Florida, USA from 20-Feb-2010 to 24-Feb-2010.
66. "Design Of Nailed Soil Wall" presented in a International level conference on Proceeding Of ICSEE-2011, India from 18-Feb-2011 to 19-Feb-2011.
67. Premalatha K, Priyadharshini, "Influence of Overlaying sand on socket depth for axial Piles in weak rock" presented in a National level conference on 4th International Young Geotechnical Engineers Conference, organised by IIT Madras, India from 17-May-2013 to 18-May-2013.
68. Premalatha K, Sundaravel V, "Dynamic Analysis and Design of Cantilever retaining Wall" presented in a National level conference on 4th International Young Geotechnical Engineers Conference, organised by IIT Madras, India from 17-May-2013 to 18-May-2013.
69. Premalatha K, Rajarathnam S, Renu M.S, "Liquefaction Hazard Assessment for Chennai Metropolitan city India" presented in a International level conference on Proceedings of the International Conference on disaster Management, organised by St. Peter's University, India from 23-Jan-2014 to 24-Jan-2014.
70. Premalatha K, Priyadharshini M.R, "Influence of presence of soils of different type on rock socket length of bored pile using elastic Analysis" presented in a International level conference on International Conference on Piling and Deep Foundation, organised by Stockholm, sweden from 21-May-2014 to 23-May-2014.

71. Premalatha K, Chezhiyan S, Kayal R, on International Geotechnical Symposium on Disaster Mitigation in Special Geoenvironmental Conditions, organised by IIT Madras, India from 21-Jan-2015 to 23-Jan-2015.
72. Premalatha K, S.Pavithra, C. Sandhiya, "Enhancement of properties of Dredged Materials for its Application in Geotechnical and Construction Industry" presented in a International level conference on International Conference on Soil and Environment, organised by IISc Bangalore, India from 22-Jul-2016 to 23-Jul-2016.
73. Premalatha. K, Pavithra. S, "Performance of lightly loaded structures on expansive clays in Chennai" presented in a International level workshop on 5th International Conference on Forensic Geotechnical Engineering, organised by IISc Bangalore, India from 08-Dec-2016 to 10-Dec-2016.
74. Ramyashree. B, Arivazhagan. R, Premalatha. K, "Consolidated undrained behavior of sand-silt mixtures" presented in a International level conference on Indian Geotechnical Conference 2016, organised by IIT MADRAS, INDIA from 14-Dec-2016 to 17-Dec-2016.
75. Sarvesh. E. A, Hariswaran. S, Premalatha. K, "INFLUENCE OF PRESENCE OF DEFECTIVE PILE IN THE LOAD CARRYING CAPACITY OF PILE GROUP" presented in a International level conference on Indian Geotechnical Conference 2016, organised by IIT MADRAS, INDIA from 14-Dec-2016 to 17-Dec-2016.
76. "Identification of dispersive soil using turbidity" presented in a International level conference on Indian Geotechnical Conference 2016, organised by IIT Madras, India from 14-Dec-2016 to 17-Dec-2016.
77. K.Premalatha, K.Muthulakshmi, "Problems identified for the Analysis of piles subjected to liquefaction and lateral spreading" presented in a National level conference on 6th National conference on Recent Advancements in Geotechnical engineering, organised by GCT, Coimbatore., India from 28-Mar-2017.
78. K.Premalatha, K.Sabarishri, "Influence of grain size and its distribution on the deformation modulus and stress-strain characteristics of sands" presented in a National level conference on GeoNest IGC 2017, organised by IIT Guawhati, India from 14-Dec-2017 to 17-Dec-2017.
79. Premalatha.K, Manikandan. P Harishwaran. S, "Numerical studies on the load carrying capacity of defective pile" presented in a National level conference on GeoNest IGC 2017, organised by IIT Guawhati, India from 14-Dec-2017 to 17-Dec-2017.
80. Praveen Kumar, Premalatha K, "STABILITY ANALYSIS OF SLOPES DURING MONSOON IN NILGIRIS" presented in a National level conference on Indian Geotechnical Conference 2018, organised by IISc Bangalore, India from 13-Dec-2019 to 15-Dec-2019.
81. "Stabilization of expansive soils using lime sand pile." presented in a National level conference on Indian Geotechnical Conference 2018, organised by IISc Bangalore, India from 13-Dec-2019 to 15-Dec-2018.
82. Premalatha.K , Sabarishri K , Sureha.P, "CONSOLIDATED DRAINED BEHAVIOUR OF CEMENTED SANDS" presented in a National level conference on INDIAN GEOTECHNICAL CONFERENCE, 2019, organised by SVNIT, SURAT, INDIA from 19-Dec-2019 to 21-Dec-2019.

83. "SMALL STRAIN STIFFNESS OF CEMENTED SAND" presented in a National level conference on INDIAN GEOTECHNICAL CONFERENCE, 2019, organised by SVNIT, SURAT, INDIA from 19-Dec-2019 to 21-Dec-2019.
84. "CONSOLIDATED UNDRAINED BEHAVIOUR OF CEMENTED SAND-SILT MIXTURES" presented in a National level conference on INDIAN GEOTECHNICAL CONFERENCE, 2019, organised by SVNIT, SURAT, INDIA from 19-Dec-2019 to 21-Dec-2019.
85. B.Prakash,Dr.K.Premalatha,K.Sabarishri, "Engineering Performance of the foundation of Thanjavur brihadeeshwarar temple" presented in a National level conference on Indian Geotechnical Conference 2020 DEVELOPMENTS IN GEOTECHNICAL ENGINEERING FOR SUSTAINABLE TOMORROW (DIGEST) , organised by Indian Geotechnical Society Visakhapatnam Chapter, India from 17-Dec-2020 to 19-Dec-2020.
86. "Study of Erodability of Cemented sand " presented in a National level conference on Indian Geotechnical Conference 2020 DEVELOPMENTS IN GEOTECHNICAL ENGINEERING FOR SUSTAINABLE TOMORROW (DIGEST) , organised by Indian Geotechnical Society Visakhapatnam Chapter, India from 17-Dec-2020 to 19-Dec-2020.
87. M.R.Priyadharshini, Dr.K.Premalatha, "Deformation of stone column subjected to earthquake loading by numerical modelling" presented in a International level conference on 7th International Conference on "Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics", organised by ISET, IISc Bangalore, IIT Roorkee, India from 12-Jul-2021 to 15-Jul-2021.

Sponsored Projects Completed

1. "Measurement of In-situ shrink and swell characterization of expansive clay of Chennai", funded by TNHB, CHENNAI. (January-1999 - January-2002). Project Cost: 0.50.
2. "High resolution seismic monitoring for early detection and analysis of slop failures in open cast mines", funded by Ministry of Coal, Government of India. Central mine planning and design institute limited (January-2008 - June-2010). Project Cost: 100.00.
3. "Remote sensing and GIS application for chennai city on E-Governess", funded by Ministry of Information Technology. Government of India. (January-2009 - January-2013). Project Cost: 540.00.
4. "Performance Assessment of Piles Under Combined Loading With Ground Movements due to Adjacent Excavations.", funded by University Grant Commission (January-2013 - August-2014). Project Cost: 28.60.

Programme Chaired

1. Chairman, International level conference titled "7th International Conference on "Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics"" conducted by ISET, IISc Bangalore, IIT Roorkee from 12-Jul-2021 to 15-Jul-2021.

Programme Attended

1. Participated in a National level conference on "Indian Geotechnical Conference" organized by Indian Institute of Technology , New Delhi., India from 19-Dec-2000 to 22-Dec-2000.
2. Participated in a National level conference on "6th National conference on Recent Advancements in Geotechnical engineering" organized by GCT, Coimbatore., India from 30-Mar-2017.
3. Participated in a National level conference on "GeoNest IGC 2017" organized by IIT Guawhati, India from 14-Dec-2017 to 17-Dec-2017.
4. Participated in a National level conference on "GeoNest IGC 2017" organized by IIT Guawhati, India from 14-Dec-2017 to 17-Dec-2017.
5. Participated in a National level conference on "Indian geotechnical conference 2018" organized by Indian Institute of Science, Bangalore, India from 13-Dec-2018 to 15-Dec-2018.

Honours

1. "Best quality circle award " given by College of Engineering, Anna University, Chennai from India (1994).
2. "Achievement award for women - Research " given by Anna University, Chennai from India (2002).
3. "25 years of unblemished service award" given by Anna University, Chennai from India (2015).
4. "CTDT, Anna University special award for student innovative project " given by Anna University, Chennai from India (2019).
5. "Krishnaswamy Mohan Memorial Endowment Award" given by Alumni Association, CEG (ACEG) from India (2019).

Invited Lectures

1. Delivered a Lecture on "Insitu Measurement of swell and shrink characteristics of expansive clays" in TRAINING PROGRAMME organized by TNHB Chennai, CHENNAI (23-Nov-2000).
2. Delivered a Lecture on "Foundation for weak Deposits (case histories)" in AE Training Programme organized by PUBLIC WORKS DEPARTMENT, CHENNAI (22-Mar-2001).
3. Delivered a Lecture on "Pile Foundations" in AE Training Programme organized by PWD, PUBLIC WORKS DEPARTMENT, CHENNAI (22-Mar-2001).
4. Delivered a Lecture on "Foundation for Expansive soil" in AE Training Programme organized by PWD, PUBLIC WORKS DEPARTMENT, CHENNAI (24-Mar-2001).
5. Delivered a Lecture on " Soft Ground Technology" in Workshop organized by CRESENT ENGINEERING COLLEGE, CHENNAI (12-Mar-2002).
6. Delivered a Lecture on "Analysis and Design of laterally Loaded Piles" in CPWD AE Training Programme organized by CPWD, CHENNAI (12-Mar-2003).

7. Delivered a Lecture on "Prediction of heave of expansive clays of Chennai" in INDIAN GEOTECHNICAL SOCIETY, organized by CHENNAI CHAPTER, CHENNAI (16-Oct-2003).
8. Delivered a Lecture on "Microzonation of Chennai City" in GUEST LECTURE, Society of Civil Engineers organized by Jaya Engineering College , CHENNAI (19-Oct-2006).
9. Delivered a Lecture on "Earthquake Resistant Design of Shallow Foundation" in NPEEE, TRAINING PROGRAM organized by Dept of civil Engineering,NPEEE, INDIA (22-Mar-2007).
10. Delivered a Lecture on "Determination of dynamic Soil properties" in NPEEE, TRAINING PROGRAM organized by NPEEE, INDIA (23-Aug-2007).
11. Delivered a Lecture on "Development of Site specific response spectrum for Chennai City" in CONFERENCE, KEY NOTE SPEAKER organized by St. Peter's Engineering College, CHENNAI (22-Nov-2007).
12. Delivered a Lecture on "Design of Foundations" in National Seminar on Geotechnics organized by Thiruvalluvar College of Engineering and Technolog, THIRUVALLUR (12-Apr-2008).
13. Delivered a Lecture on "Mitigation of effects of Earth Quake in Soils" in GUEST LECTURE organized by MEASI Academy of Architecture, CHENNAI (20-Aug-2008).
14. Delivered a Lecture on "Use of SWCC in Identification of Problematic Soils and Recommendation of Suitable Foundation " in Two day Seminar on Improvement of Problematic Soils and the Role of Civil Engineers organized by Division of Soil Mechanics and Foundation Engg., D, CHENNAI (18-Sep-2009).
15. Delivered a Lecture on "CE2305-Bearing Capacity, Settlement and Design of Foundations" in FDP organized by Division of Soil Mechanics and Foundation Engg., D, CHENNAI (10-Jun-2010).
16. Delivered a Lecture on "Shear Strength of Soil" in Lecture in Faculty Development Program on Soil Mechanics organized by Division of Soil Mechanics and Foundation Engg., D, CHENNAI (20-Dec-2010).
17. Delivered a Lecture on "Geotechnical Practice" in FDP organized by NITTTR, CHENNAI (02-Feb-2011).
18. Delivered a Lecture on "Analysis and Design of Nailed Soil Wall" in International Conference in Civil Engineering organized by KSR College of Engineering, Thiruchengode, TAMIL NADU, CHENNAI (18-Feb-2011).
19. Delivered a Lecture on "Stability Analysis of Nailed Soil Wall" in National Conference in Civil Engineering organized by Dr. Sivanthi Adhithanar College of Engineering, Tiruchendur, Thoothukudi District, Tamil Nadu, Ind (11-Apr-2011).
20. Delivered a Lecture on "Assessing and Managing Disaster Risks " in AICTE , GUEST LECTURE organized by Vivekanandha Institute of Information and Manageme, Thiruchengode, TAMIL NADU, CHENNAI (30-Jun-2011).
21. Delivered a Lecture on "CIVIL ENGINEERING" in HINGES 11 TECHNICAL SYMPOSIUM organized by Sastra University, Thanjavur (30-Sep-2011).

22. Delivered a Lecture on "Earthquake Resistant Design of Foundation" in Two day Workshop on Geological and Geotechnical Engg organized by Dr Sivanthi Adhithanar College of Engineering, Tiruchendur, Thoothukudi District, Tamil Nadu, Ind (06-Jan-2012).
23. Delivered a Lecture on "Importance of Solid Waste Properties in Landfill Design" in Workshop on Landfill Design and Construction organized by IGC Chennai Chapter, CHENNAI (28-Apr-2012).
24. Delivered a Lecture on " Importance of Geotechnical Engineering" in Best Paper Competition of Students on "Importance of Geotechnical Engineering" organized by Chief Guest and Judge, Meenakshi Sundararajan Engineering College , CHENNAI (13-Jul-2012).
25. Delivered a Lecture on "CE2305 (Bearing Capacity, Settlement and Design of Foundations)" in Lecture in Faculty Development Program on Foundation Engineering organized by Division of Soil Mechanics and Foundation Engg., D, CHENNAI (17-Dec-2012).
26. Delivered a Lecture on "Design of Under Reamed Pile" in Training Programme on Design of Foundations organized by BTC, ANN UNIVERSITY, CHENNAI (11-Jul-2013).
27. Delivered a Lecture on "Design of Mat or Raft Foundations" in GUEST LECTURE organized by Training Programme on Design of Foundations, BTC, ANNA UNIVERSITY, CHENNAI (12-Jul-2013).
28. Delivered a Lecture on "Design of well foundations and Caissons " in GUEST LECTURE organized by Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala En, CHENNAI (31-Jul-2013).
29. Delivered a Lecture on "Introduction to Unsaturated Soil Mechanics" in FDP organized by Centre for Environmental Management, NITTTR, CHENNAI (29-Aug-2013).
30. Delivered a Lecture on "Repair and Rehabilitation of Foundation Structures" in Training Programme on Design of Foundations organized by BTC, Anna University, CHENNAI (18-Sep-2013).
31. Delivered a Lecture on "Advance Method in ground Improvement Techniques" in GUEST LECTURE organized by CSI College of Engineering, NILGRIS, INDIA (05-Oct-2013).
32. Delivered a Lecture on "Termination Criteria for Pile Foundation" in GUEST LECTURE organized by INDIAN GEOTECHNICAL SOCIETY, CHENNAI CHAPTER, CHENNAI (25-Jan-2014).
33. Delivered a Lecture on "Geosynthetics Materials, Testing Applications and Markets" in GUEST LECTURE organized by VIT University, KELAMBAKKAM, CHENNAI (21-Feb-2014).
34. Delivered a Lecture on "Termination Criteria for Bored Pile Foundation" in IGS Trichy Chapter organized by NATIONAL INSTITUTE OF TECHNOLOGY, TRICHY (08-Mar-2014).
35. Delivered a Lecture on "Effect of Drying Temperature and Curing Period in the Atterberg limits of Chennai Soils." in INDIAN GEOTECHNICAL SOCIETY organized by CHENNAI CHAPTER, CHENNAI (16-Aug-2014).

36. Delivered a Lecture on "Lecture on Earth Pressure and Retaining walls" in INVITED LECTURE organized by Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala En, AVADI, CHENNAI (15-Sep-2014).
37. Delivered a Lecture on "Application of Shear Strength Concepts in GeoTechnical Engineering" in GUEST LECTURE organized by NSN Engineering College , KARUR (19-Sep-2014).
38. Delivered a Lecture on "Recent Advances in Soil Mechanics and Foundation Engineering" in GUEST LECTURE organized by Dhanalakshmi college of Engineering,, Tambaram (26-Nov-2014).
39. Delivered a Lecture on "Evaluation of Material Model Parameters of Sand, Silt and Sand-Silt -" in 5 DAYS FACULTY DEVELOPMENT PROGRAMME ON TRAILBLAZING PRACTICES IN GEOTECHNICAL ENGINEERING organized by MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE, ONLINE (07-Jun-2021).