

Publications

Research Publications

Books/ Manuals	Papers in Refereed International Journals	Written Discussions in Refereed International Journals	Contributed papers in Conference or Symposium
03	44	19	16

Citations : 985

h-index : 17

i10-index : 29

(a) List of Books / Manuals written

1. Sridharan, A. and Prakash, K. (2007), Geotechnical Engineering Characterisation of Coal Ashes, CBS Publishers and Distributors, New Delhi.
2. Prakash K. and Madhava Rao V. (2008), Instruction Manual for Basic Materials Testing Laboratory, Department of Civil Engineering, S.J. College of Engineering, Mysuru.
3. Prakash K. (2015), Instruction Manual for Geotechnical Engineering Laboratory, Department of Civil Engineering, S.J. College of Engineering, Mysuru.

(b) List of publications in the International Referred Journals

Year: 1985

1. Sridharan, A., and **Prakash, K.** (1985), 'Improved rectangular hyperbola method for the determination of coefficient of consolidation', Geotechnical testing journal, ASTM, Vol. 8, No. 1, pp.37-40.

Year: 1987

2. Sridharan, A., Murthy, N.S. and **Prakash, K.** (1987), 'Rectangular hyperbola method of consolidation analysis', Geotechnique (London), Vol. 37, No. 3, pp.355-368.

Year: 1989

3. **Prakash, K.**, Sridharan, A. and Rao, S.M. (1989), "Lime addition and curing effects on the index and compaction characteristics of a montmorillonitic soil", Geotechnical Engineering (Bangkok), Vol. 20, pp.39-47.

Year: 1993

4. Sridharan, A., and **Prakash, K.** (1993), " $\delta - t/\delta$ method for the determination of coefficient of consolidation", Geotechnical Testing Journal, ASTM, Vol.16, No. 1, pp.131-134.

Year: 1995

5. Sridharan, A., **Prakash, K.** and Asha, S.R. (1995), "Consolidation behaviour of soils", Geotechnical Testing Journal, ASTM, Vol. 18, No. 1, pp.58-68.

Year: 1996

6. Sridharan, A., **Prakash, K.** and Asha, S.R. (1996), "Consolidation behaviour of soils under radial drainage", Geotechnical Testing Journal, ASTM, Vol. 19, No. 4, pp.421-431.

Year: 1997

7. Sridharan, A., and **Prakash, K.** (1997), "The $\log \delta - \log t$ method for the determination of coefficient of consolidation", Geotechnical Engineering (London), Vol. 125, Paper 10911, January, pp.27-32.
8. Sridharan, A., and **Prakash, K.** (1997), "Settling behaviour of fine grained soils", Indian Geotechnical Journal, Vol. 27, No.3, pp.278 –309.

Year: 1998

9. Sridharan, A., and **Prakash, K.** (1998), "Determination of coefficient of consolidation: a user friendly approach", Ground Engineering(UK), Vol. 31, No.2, pp30-32.
10. Sridharan, A., and **Prakash, K.** (1998), "Secondary compression factor", Geotechnical Engineering (London), Vol.131, Paper 11422, April, pp.96-103.
11. Sridharan, A., and **Prakash, K.** (1998), "Characteristic water contents of a fine-grained soil-water system", Geotechnique, Vol.48, No.3, pp.337-346.
12. Sridharan, A., and **Prakash, K.** (1998), "Mechanism controlling the shrinkage limit of soils", Geotechnical Testing Journal, ASTM, Vol.21, No.3, pp.240-250.

Year: 1999

13. Sridharan, A., Nagaraj, H.B. and **Prakash, K.** (1999), "Determination of plasticity index from flow index", Geotechnical Testing Journal, ASTM, Vol.22, No.2, pp.169-175.
14. Sridharan, A., and **Prakash, K.** (1999), "Simplified seepage consolidation test for soft sediments", Geotechnical Testing Journal, ASTM, Vol.22, No.3, pp.235-244.
15. Sridharan, A., and **Prakash, K.** (1999), "Influence of clay mineralogy and pore medium chemistry on clay sediment formation", Canadian Geotechnical Journal, Vol.36, pp.961-966.
16. Sridharan, A., and **Prakash, K.** (1999), "Mechanisms controlling the undrained shear strength behaviour of clays", Canadian Geotechnical Journal, Vol.36, pp.1030-1038.

Year: 2000

17. Sridharan, A., and **Prakash, K.** (2000), "Shrinkage limit of soil mixtures", Geotechnical Testing Journal, ASTM, Vol.23, No.1, pp.3-8.
18. Sridharan, A., and **Prakash, K.** (2000), "Percussion and cone methods of determining the liquid limit of soils: controlling mechanisms", Geotechnical Testing Journal, ASTM, Vol.23, No.2, pp.236-244.
19. Sridharan, A., and **Prakash, K.** (2000), "Classification procedures for expansive soils", Geotechnical Engineering (London), Vol. 143, Paper 12075, October, pp.235-240.

Year: 2001

20. Sridharan, A., and **Prakash, K.** (2001), "Consolidation and permeability behavior of homogeneous and segregated sediments", Geotechnical Testing Journal, ASTM, Vol. 24, No.1, pp. 109-120.
21. Sridharan, A., and **Prakash, K.** (2001), "Limiting compression curves", Geotechnical Testing Journal, ASTM, Vol. 24, No. 3, pp. 330-331.
22. Sridharan, A., and **Prakash, K.** (2001), "Settling behaviour and clay mineralogy", Soils and Foundations (Japan), Vol. 41, No. 2, pp. 105-109.

Year: 2002

23. **Prakash, K.** and Sridharan, A. (2002), "Determination of liquid limit from equilibrium sediment volume", Geotechnique, Vol. 52, No. 9, pp. 693 – 696.
24. Sridharan, A., and **Prakash, K.** (2002), "Permeability of two – layer soils", Geotechnical Testing Journal, ASTM, Vol. 25, No.4, pp. 443-448.

Year: 2003

25. Sridharan, A., and **Prakash, K.** (2003), "Self weight consolidation: Compressibility behaviour of segregated and homogenous sediments", Marine Georesources and Geotechnology, Vol. 21, pp. 73-80.

Year: 2004

26. **Prakash, K.** and Sridharan, A. (2004), "Free swell ratio and clay mineralogy of fine grained soils", Geotechnical Testing Journal, ASTM, Vol. 27, No.2, pp. 220-225.

Year: 2006

27. **Prakash, K.** and Sridharan, A. (2006), "A geotechnical classification system for coal ashes", Geotechnical Engineering, Proc. Inst. Civil Engg. (London), Vol. 159. No. GE2, pp. 91-98.
28. **Prakash, K.** and Sridharan, A. (2006), "Critical appraisal of the cone penetration method of determining soil plasticity", Canadian Geotechnical Journal, Vol. 43. No. 8, pp. 884-888.

Year: 2008

29. **Prakash, K.** and Sridharan, A. (2008), “Stress history effects on consolidation and permeability behavior of fine-grained soils”, *Journal of Testing and Evaluation*, ASTM, Vol. 36, No. 3, pp. 250-258.

Year: 2009

30. **Prakash, K.**, Sridharan, A., Ananth Baba, J. and Thejas, H.K. (2009), “Determination of Shrinkage Limit of Fine-Grained Soils by Wax Method”, *Geotechnical Testing Journal*, ASTM, Vol. 32, No.1, pp. 86-89.
31. **Prakash, K.**, Sridharan, A., and Prasanna, H.S. (2009), “A Note on the Determination of Plastic limit of Fine-Grained Soils”, *Geotechnical Testing Journal*, ASTM, Vol. 32, No.4, pp. 372-374.
32. **Prakash, K.**, and Sridharan, A. (2009), “Beneficial Properties of Coal Ashes and Effective Solid Waste Management”, *Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management*, ASCE, Vol. 13, No. 4, pp. 239-248.

Year: 2010

33. **Prakash, K.** and Sridharan, A. (2010), “Sediment Volume Tests for Expansive Soil Identification and Classification”, *Journal of Testing and Evaluation*, ASTM, Vol. , No. , pp.

Year: 2011

34. **Prakash K.**, Sridharan A., Karthik H.K. and Anand C. (2011), “Sand Replacement Method for the Determination of Shrinkage Limit of Fine-Grained Soils”, *Journal of Hazardous, Toxic and Radioactive Waste*, ASCE, Vol. 15, No. 2, pp. 121-126.
35. **Prakash, K.**, Sridharan, A., Aakash, B.S. and Balaji, K.S. (2011), “Multiple Approaches of Determining Coefficient of Consolidation Under Radial Drainage on δ -log t Plot”, *International Journal of Geotechnical Engineering*. Vol. 4, No. 5, pp. 425-435.

Year: 2012

36. **Prakash, K.** and Sridharan, A. (2012), “Classification of Non-Plastic Soils”, *Indian Geotechnical Journal*, Vol. 42, No. 2, pp. 118-123.
37. **Prakash, K.**, Sridharan, A., Thejas, H.K. and Swaroop, H.M. (2012), “A Simplified Approach of Determining the Specific Gravity of Soil Solids”, *Geotechnical and Geological Engineering*, Vol. 30, No.4, pp. 1063-1067.
38. **Prakash, K.** and Sridharan, A. (2012), “Use of Uniform and Inert Beads for the Determination of Shrinkage Limit of Fine Grained Soils”, *Geotechnical and Geological Engineering*, Vol. 30, No. 5, pp.1271-1278

Year: 2013

39. **Prakash, K.** and Sridharan, A. (2013), “Permeability of Layered Soils: An Extended Study”, *Geotechnical and Geological Engineering*, Vol. 31, No. 5, pp.1639-1644.

Year: 2014

40. **Prakash, K.**, Sridharan, A. and Prasanna, H.S. (2014), “Compaction Induced Yield Stress”, *Geotechnical and Geological Engineering*, Vol.32, No. 2, pp. 311-319.
41. **Prakash, K.**, Sridharan, A. and Sheshashayana, M. (2014), “Appraisal of observational method for consolidation analysis”, *Geotechnical Engineering, Proc. Inst. Civil Engg. (London)*, Vol. 167, No. GE6, pp. 518-525, doi.org/10.1680/geng.13.00006.

Year: 2016

42. Sridharan, A. and **Prakash, K.** (2016), “Expansive Soil Characterisation: An Appraisal”, *INAE Letters*, Vol. 1, No. 1, pp. 29-33, DOI. 10.1007/s41403-016-0001-9.
43. **Prakash, K.**, Sridharan, A. and Sudheendra, S. (2016), “Hygroscopic moisture content: Determination and some useful correlations”, *Proceedings of ICE: Environmental Geotechnics*, Vol. 3, No. EG5, pp. 293–301, doi.org/10.1680/envgeo.14.00008.
44. **Prakash, K.**, Sridharan, A. and Prasanna, H.S. (2016), “Dominant Parameters Controlling the Permeability of Compacted Fine-Grained Soils”, *Indian Geotechnical Journal*, Vol.46, No. 4, pp. 408–414, DOI 10.1007/s40098-016-0186-6.

(c) List of written discussions in International Referred Journals**Year: 1988**

- 1) Sridharan, A. and Prakash, K. (1988), Reply to discussion on ‘Rectangular hyperbola method of consolidation analysis’ (*Geotechnique*, Vol.38, No.3, 1987, pp. 355-368) by K.S. Li, by Chin Fung Kee (*Geotechnique*, Vol. 38, No. 3, 1988, pp. 467-472), *Geotechnique*, Vol.38, No. 3, pp. 472-473.

Year: 1994

- 2) Sridharan, A. and Prakash, K. (1994), Discussion on ‘Ultimate settlement by hyperbolic plot for clays with vertical drains’ (Siew-Ann Tan, *Journal of Geotechnical Engineering*, ASCE, Vol. 119, No. GT5, 1993, pp. 950-956), *Journal of Geotechnical Engineering*, ASCE, Vol. 120, No. GT11, 1993, pp. 2079-2081.

Year: 1995

- 3) Sridharan, A. and Prakash, K. (1995), Discussion on ‘Limitations of conventional analysis of consolidation settlement’ (J.Michael Duncan, *Journal*

of Geotechnical Engineering, ASCE, Vol. 119, No. GT9, 1993), Journal of Geotechnical Engineering, ASCE, Vol. 121, No. GT6, 1993, p.517.

Year: 1996

- 4) Sridharan, A. and Prakash, K. (1996), Discussion on 'Interpretation of oedometer test data for natural clays' (Katsutada Onitsuka, Zhenshun Hong, Yutaka Hara and Shigeki Yoshitake, Soils and Foundations, Vol. 35, No. 3, 1995, pp. 61-70). Soils and Foundations, Vol. 36, No. 3, pp. 146-148.
- 5) Prakash, K. (1996), Discussion on 'A new two point method of obtaining c_v from a consolidation test' (Y.V.S.N.Prasad and S.Narasimha Rao, Canadian Geotechnical Journal, Vol.32, pp. 741-746), Canadian Geotechnical Journal, Vol.33, pp.849-850.

Year: 1997

- 6) Sridharan, A., Prakash, K. and Asha, S.R. (1997), Reply to discussion on 'Consolidation behavior of soils' (Geotechnical Testing Journal, ASTM, Vol.18, No. 1, 1995, pp. 58-68) by S.K. Tewatia and K.Venkatachalam (Geotechnical Testing Journal, ASTM, Vol.20, No. 1, 1997, pp. 126-128), Geotechnical Testing Journal, ASTM, Vol.20, No. 1, 1995, p. 128.
- 7) Sridharan, A. and Prakash, K. (1997), Discussion on 'Physico-chemical effects on the behavior of a coastal mudslide' (R.Moore and D.Brunsdan, Geotechnique, Vol. 46, No. 2, 1996, pp.259-278), Geotechnique, Vol. 47, No. 2, pp. 368-369.

Year: 1998

- 8) Sridharan, A., Prakash, K. and Asha, S.R.(1998), Reply to discussion on 'Consolidation behavior of clayey soils under radial drainage' ((Geotechnical Testing Journal, ASTM, Vol.19, No. 4, 1996, pp.421-431) by J.Lai and R.E.Olson (Geotechnical Testing Journal, ASTM, Vol.21, No. 1, 1998, pp.66-67), Geotechnical Testing Journal, ASTM, Vol.21, No. 1, p. 68.
- 9) Prakash, K. (1998), Discussion on 'Improved t method to evaluate consolidation test results' (S.K.Tewatia and K.Venkatachalam, Geotechnical Testing Journal, ASTM, Vol.20, No.1, 1997, pp.121-125), Geotechnical Testing Journal, ASTM, Vol.21, No.2, pp. 153-154.
- 10) Sridharan, A. and Prakash, K. (1998), Discussion on 'Liquid limits and fall cones' (S.Leroueil and J.P. Le Bihan, Canadian Geotechnical Testing Journal, Vol. 33, 1996, pp. 793-798), Canadian Geotechnical Testing Journal, Vol. 35, pp. 407-408.

Year: 1999

- 11) Prakash, K. (1999), Discussion on 'Influence of cations on compressibility behavior of a marine clay' (Paul K. Mathew and S.Narasimha Rao, Journal of Geotechnical and Geoenvironmental Engineering, ASCE, Vol. 123, No. 11, 1997), Journal of Geotechnical and Geoenvironmental Engineering, ASCE, Vol. 125, p.722.

Year: 2000

- 12) Sridharan, A. and Prakash, K. (2000), Reply to discussion on 'Characteristic water contents of a fine-grained soil-water system' (Geotechnique, Vol. 48, No. 3, 1998, pp. 337-346) by T.S.Nagaraj (Geotechnique, Vol. 50, No. 3, pp. 305-306), Geotechnique, Vol. 50, No. 3, p.306.

Year: 2004

- 13) Sridharan, A. and Prakash, K. (2004), Reply to discussion on 'Determination of liquid limit from equilibrium sediment volume' (Geotechnique, Vol. 52, No. 9, 2002, pp. 693-696) by T.S. Nagaraj and D.J. DeGroot (Geotechnique, Vol. 54, No. 9, pp. 611-613), Geotechnique, Vol. 54, No. 9, p. 613.

Year: 2005

- 14) Prakash, K. (2005), Discussion on 'Plastic limit, liquid limit and undrained shear strength of soil – Reappraisal (Binu Sharma and Padma K.Bora, Journal of Geotechnical and Geoenvironmental Engineering, ASCE, Vol. 129, No. 8, 2003, pp. 774-777), Journal of Geotechnical and Geoenvironmental Engineering, ASCE, Vol.131, No 3 p.402.

Year: 2010

- 15) Prakash, K., Balaji, K.S., and Aakash, B.S. (2010), Discussion on 'Analysis of radial consolidation Test data using a log – log method' (Robinson, R.G., Geotechnical Testing Journal, ASTM, Vol. 32, No. 2, 2009, pp. 119-125), Geotechnical Testing Journal, ASTM, Vol. 33, No. 2. Pp. 167-168.

Year: 2012

- 16) Prakash, K and Sheshashayana, M. (2012), Discussion on 'Effect of micro fabric on undrained static and cyclic behavior of kaolin clay' (Rakesh J.Pillai, R.G.Robinson and A.Bhoominathan, Journal of Geotechnical and Geoenvironmental Engineering, ASCE, Vol. 137, No. 4, pp. 421–429), Journal of Geotechnical and Geoenvironmental Engineering, ASCE, Vol. 138, No. 6, pp. 770-771.
- 17) Prakash, K (2012), Discussion on 'Mechanics of the Casagrande liquid limit test' (Haigh, S.K., Canadian Geotechnical Journal, Vol. 49, No. 9, pp. 1015–1023 – doi: 10.1139/t2012-066), Canadian Geotechnical Journal, Vol. 49, No. 11, pp. 1325-1326, doi: 10.1139/t2012-089.

Year: 2013

- 18) Prakash, K. and Sridharan, A. (2013), Discussion on ‘Quantitative Estimation of Clay Mineralogy in Fine-Grained Soils’ (Bhaskar Chittoori and Anand J. Puppala, Journal of Geotechnical and Geoenvironmental Engineering, ASCE, Vol.137, No.11, pp. 997-1008), Journal of Geotechnical and Geoenvironmental Engineering, ASCE, Vol. 139, No. 4, pp. 656-657.

Year: 2014

- 19) Prakash, K. and Sridharan, A. (2014), Discussion on ‘Atterberg Limits and Remolded Shear Strength-Water Content Relationships’ (O’Kelly, B.C., Geotechnical Testing Journal, ASTM, Vol. 36, No. 6, pp. 939-947, doi: 10.1520/GTJ2013001), Geotechnical Testing Journal, ASTM, Vol. 37, No.4, pp. 726-728, doi: 10.1520 /GTJ20140008.

(d) List of publications in the International / National Conferences/ Symposia

1. Sridharan, A., and Prakash, K. (1995), “Critical appraisal of laboratory determination of c_v ”, Proceedings of the International symposium on compression and consolidation of clayey soils, Hiroshima, Japan
2. Prakash, K. (2000), “Basic Geotechnology for Ground Improvement”, Proceedings of AICTE – STTP on Ground Improvement Techniques (Eds: K. Prakash and V. Madhava Rao), SJCE, Mysore.
3. Prakash, K. (2000), “Grouting”, Proceedings of AICTE – STTP on Ground Improvement Techniques (Eds: K. Prakash and V. Madhava Rao), SJCE, Mysore.
4. Prakash, K. and Sridharan, A. (2003), “Unloading stress path effect on constrained modulus of soil”, Proceedings of the Indian Geotechnical Conference, Roorkee, India.
5. Prakash, K. and Sridharan, A. (2004), “Water holding capacity of fine grained soils”, Proceedings of first CUSAT National Conference on Recent Advances in Civil Engineering (RACE-2004), Kochi, India, pp. 262-270.
6. Prakash, K. and Sridharan, A. (2006), “Coefficient of permeability: measured vs calculated from c_v ”, Proceedings of Indian Geotechnical Conference, Chennai, December, Vol. 1.
7. Sridharan, A. and Prakash, K. (2008), “Beneficiary Aspects of Coal ashes in Geotechnical Engineering Practice”, Proceedings of the International Conference on Civil Engineering in the New Millennium: Opportunities and Challenges (CENeM-2007), 150- year anniversary conference at Bengal Engineering and Science University, Shibpur, India, Vol. III, pp. 1361-1368.
8. Prakash, K., Sridharan, A., Prasanna, H.S., and Manjunatha, K. (2009), “Identification of Soil Clay Mineralogy by Free Swell Ratio Method”, Proceedings of Indian Geotechnical Conference, Guntur, Vol. 1, pp. 27-30.
9. Prakash, K. and Sridharan, A. (2010), “Swell Potential of Expansive Clay Mixtures”, Proceedings of 4th CUSAT National Conference on Recent Advances in Civil Engineering, Cochi, India, pp. 165-168.

10. Prakash, K. (2010), "Characterisation of Expansive Soils", Invited Lecture, Proceedings of National Conference on Expansive Soils, Kakinada, Andhra Pradesh.
11. Sridharan, A. and Prakash, K. (2011), "Fly Ash: A Material of Potential", Theme Lecture, Proceedings of the National Conference on Fly Ash, ITC, Kakatiya, Hyderabad,
12. Prakash, K. (2011), "Seepage Induced Consolidation Test for the Evaluation of Compressibility Characteristics of Soft Clays", Invited Lecture, Proceedings of Indian Geotechnical Conference, Kochi, Vol. 1, pp. .
13. Prakash, K., Sridharan, A. and Prasanna, H.S. (2011), "On the Coefficient of Consolidation of Compacted Soils", Proceedings of Indian Geotechnical Conference, Kochi, Vol. 1, pp. .
14. Prakash, K., Sridharan, A. and Prasanna, H.S. (2014), "Yield stresses of compacted soils: A comparative study", Proceedings of the National Conference on Geotechnical Engineering Practice and Sustainable Infrastructure Development (GEPSID-2014), Ludhiana, India, pp. 140-145
15. Prakash, K., Prasanna, H.S. and Sridharan, A. (2014), "A Study of Compaction Characteristics of Fine-Grained Soils", Proceedings of Indian Geotechnical Conference IGC-2014, Kakinada, India, 18th - 20th Dec., 2014, pp. 6-13.
16. Prakash, K., Prasanna, H.S. and Sridharan, A. (2015), "Variation of Degree of Saturation along the Compaction Curve", Proceedings of Indian Geotechnical Conference IGC-2015, Pune, India, 17th - 19th Dec., 2015.