Publications

Research Publications

Books/ Manuals	Papers in Refereed International Journals	Written Discussions in Refereed International Journals	Contributed papers in Conference or Symposium
08	20	-	126

(a) List of Books / Manuals written

1. Prasad, S.K., "Relevance for practicing Earthquake Resistant Construction in India", On the Trail of an Institution Builder – A Festschrift, ISBN 978-81-928456-0-9, AISAT Publications, Kochi, India, pp 113 – 122, October 2013.
2. Proceedings of AICTE-ISTE short term program "Computer Applications in Civil Engineering' organized from 08/10/2001 to 19/10/2001
3. Proceedings of one day workshop on "Reinforced Earth and Geotextiles" in June 2002.
4. Proceedings of national workshop in "Geotechnical Engineering for Infrastructural Development" on 4th October 2010
5. Guest Editor: Indian Geotechnical Journal, Theme: Earthquake Geotechnical Engineering, June 2013.
6. Proceedings of National Workshop on 'Recent Advances in Geotechnic for Infrastructure RAGI 2014'.
7. Proceedings of National Workshop on 'Recent Advances in Geotechnic for Infrastructure RAGI 2015'.
8. Proceedings of National Workshop on 'Recent Advances in Geotechnic for Infrastructure RAGI 2016'.

(b) List of publications in the International Referred Journals (Year wise)

2017

1. Mallangouda Biradar and S. K. Prasad (2017) "Influence of Soil Stiffness on Seismic Vulnerability of Irregular Buildings", Indian Journal of Advances in Chemical Science 5(1) (2017), pp 50-53, DOI: 10. 22607 / IJACS. 2017. 501007, www. ijacskros. com.

2. K. Pushpa, S. K. Prasad and P. Nanjundaswamy (2017) "Simplified Pseudostatic Analysis of Earthquake Induced Landslides", Indian Journal of Advances in Chemical Science 5(1) (2017), pp 54-58, DOI: 10. 22607 / IJACS. 2017. 501007, www. ijacskros. com.

3. S. K. Prasad, K. V. Vijayendra (2017) "Relevance of Site Characterization in Seismic Studies", Indian Journal of Advances in Chemical Science 5(1) (2017), pp 59-64, DOI: 10. 22607 / IJACS. 2017. 501007, www. ijacskros. com.

2016

4. Pushpa, K., Prasad S.K. and Nanjundaswamy P. (2016) "Critical analysis of Slope Stability analysis methods", International Journal of Engineering Research & Technology, https://www.ijert.org/, *ESRSA Publication, ISSN; 2278-0181*, Volume. 5, Issue. 07, July – 2016, http://dx.doi.org/10.17577/IJERTV5IS070148.

2015

5. Shivakumara Swamy, B., Prasad S.K. and Sunil N, "Influence of Strong Column and Weak beam concept, soil type and seismic zone on seismic performance of R C frames from Pushover analysis", IJRET: International Journal of Research in Engineering and Technology, eISSN: 2319-1163, pISSN: 2321-7308, Vol 4, Spl Issue 4, ASHCE 2014, May 2015, http://www.ijret.org, pp.61-66.

6. Prasad, S.K., "Earthquake Disaster Management in different countries – Influence of culture of region", International Journal 'Dharana' published by M.P. Birla Institute of Management, Bangalore, Vol 9, No. 1, Jan – June, 2015, pp 29 – 36, ISSN 0974-0082.

2014

7. Kiran Kamath, Madhusudan G. Kalibhat, S.K. Prasad and Ramya R. Pai, "Seismic Performance of Soft Storey RC Frames at Different Storey Levels From Pushover Analysis", International Organization of Scientific Research (IOSR) Journal of Mechanical and Civil Engineering (IOSR-JMCE), Volume 3, e-ISSN: 2278-1684, p-ISSN: 2320-334X, pp 07-13, www.iosrjournals.org, 2014.

8. Dinakar K N and S.K. Prasad, "Effect of Deep Excavation on Adjacent Buildings by Diaphragm Wall Technique Using PLAXIS", International Organization of Scientific Research (IOSR) Journal of Mechanical and Civil Engineering (IOSR-JMCE), Volume 3, e-ISSN: 2278-1684, p-ISSN: 2320-334X, pp 26 - 32, www.iosrjournals. org, 2014.

9. Madhusudan G. Kalibhat, Kiran Kamath, S.K.Prasad and Ramya R. Pai, "Seismic Performance Of Concentric Braced Steel Frames From Pushover Analysis", International Organization of Scientific Research (IOSR) Journal of Mechanical and Civil Engineering (IOSR-JMCE), Volume 2, e-ISSN: 2278-1684, p-ISSN: 2320-334X, pp 67 - 73, www.iosrjournals.org, 2014.

10. Madhusudan G. Kalibhat, Arun Kumar Y.M, Kiran Kamath, S.K. Prasad and Shrinath Shet, "Seismic Performance Of R.C. Frames With Vertical Stiffness Irregularity From Pushover Analysis", International Organization of Scientific Research (IOSR) Journal of Mechanical and Civil Engineering (IOSR-JMCE), Volume 2, e-ISSN: 2278-1684, p-ISSN: 2320-334X, pp 61 - 66, www.iosrjournals. org, 2014.

11. Rajesh, M. N. and Prasad, S.K., "Seismic Performance Study on RC Chimneys from Pushover Analysis", Journal of Civil Engineering Technology and Research, Volume 2, Number 1 (2014), pp.195-201, © Delton Books, http://www.deltonbooks.com

12. Prasad, S.K., N. M. Jagadeesh and C. N. Yadunandan, 'Case studies on failure of retaining walls", i-manager's Journal on Structural Engineering, Vol. 3, No. 2, June - August 2014, pp. 29-34, http://www.imanagerpublications.com/.

13. Vijayendra, K.V., Sitaram Nayak and Prasad, S.K., "An alternative method to estimate fundamental period of layered soil deposit", Technical Note, Indian Geotechnical Journal, July 2014, DOI 10.1007/s40098-014-0121-7, Print ISSN 0971-9555, Online ISSN 2277-3347, Publisher Springer India.

14. Rajesh M N and S.K. Prasad, "Seismic Performance Study on RC Wall Buildings from Pushover Analysis", IJERT, Intl Jl of Research in Engg. & Tech., e-ISSN:2319-1163, p-ISSN:2321-7308, Vol 3, Spl Issue 6, May 2014, pp 165 - 171.

15. Achyutha Bharadwaj S, Manasa, Rajaram Vailaya S, Sumanthu and Prasad,S.K, "Critical comparison of ground motion attenuation formulae for recent earthquake data",IJERT, Intl Jl of Research in Engg. & Tech., e-ISSN:2319-1163, p-ISSN:2321-7308, Vol 3, Spl Issue 6, May 2014, pp 86 - 91.

16. Dinakar K N and S.K. Prasad, "Behaviourof Tie Back Sheet Pile Wall For Deep Excavation Using PLAXIS", IJERT, Intl Jl of Research in Engg. & Tech., e-ISSN:2319-1163, p-ISSN:2321-7308, Vol 3, Spl Issue 6, May 2014, pp 97 - 103.

2013

17. Prasad, S. K., Srikanta Prasad, S. and Suresh, G. S., "Seismic Capacity of frames designed for Earthquake, Wind and Gravity Loadings", International Journal of Earth Science and Engineering, , ISSN 0974 – 5904, Cafet–Innova Technical Society, India, Vol. 6, No. 4, pp667 – 672, Aug 2013.

2004

18. Prasad,S.K., Towhata, I. Chandradhara, G. P. and Nanjundaswamy, P., "Shaking Table Tests In Earthquake Geotechnical Engineering" Current Science, Vol. 87, No. 10, pp 1398-1404, Nov 2004.

2002

19. Towhata, I., Prasad,S.K., Tsuyoshi Honda and Chandradhara, G. P., "Geotechnical Reconnaissance study on damage caused by 2001 Gujarat earthquake, India", Soils and Foundations, Vol. 42, No. 4, pp 77 – 88, August 2002.

1996

20. Towhata, I., Ghalanderzadeh, A., Prasad,S.K., and Vargas, W. 'Dynamic failure of subsoils observed in waterfront areas', Soils & Foundations, Special issue on geotechnical aspects of Hyogoken-Nanbu earthquake, pp 149-160, 1996.

(c) List of publications in the International Conferences/ Symposia

1. Mallangouda.B and S.K.Prasad (2016) "Influence of soil stiffness on seismic vulnerability of irregular buildings", International Conference in Advances in Materials and Technology ICMAT 2016, 26 – 28 May 2016, SJCE, Mysore
2. Pushpa, K., Prasad S.K. and Nanjundaswamy P. (2016) "Simplified Pseudo-static analysis of Earthquake induced landslides", International Conference in Advances in Materials and Technology ICMAT 2016, 26 – 28 May 2016, SJCE, Mysore

3. Prasad S.K. and Vijayendra K.V. (2016) "Relevance of Site Characterization in Seismic Studies", Invited Lecture, International Conference in Advances in Materials and Technology ICMAT 2016, 26 – 28 May 2016, SJCE, Mysore

4. Sunil Nataraj, Prasad S.K. and Shivakumara Swamy B., "Study on Influence of Stiffness Variation on the Seismic Performance of Strong Column-Weak Beam RC Frames from Pushover Analysis", International Conference on Earthquake Engineering and Post Disaster Reconstruction Planning (ICEE-PDRP 2016)" on 24-26 April, 2016 at Bhaktapur, Nepal.

5. BarnaliGhosh and Prasad, S.K., "Slope Stability Analysis by Finite Element Approach", International Conference on Infrastructure Development for Environmental Conservation and Sustenance (INDECS-15), ACE, Hosur, India, 28th to 30th October 2015

6. Prasad, S.K., "Earthquake Disaster Management in different countries – Influence of culture of region", Proceedings of International Workshop on Inter-cultural aspects of Disaster Management, 7th to 10th April 2015, B P Birla Institute of Management, Mysuru.

7. Rajesh M N and Prasad, S.K., "A comparative study of ATC 40 and Euro code provisions for pushover analysis of R C frames", Paper # 000, 15th Symposium on Earthquake Engineering, Indian Institute of Technology, Roorkee, December 11-13, 2014

8. Rajesh M N and Prasad, S.K., "Challenges in addressing 2D/3D idealizations of R C frames for seismic analysis using pushover methodology", 2nd International Conference on Current Trends in Engineering and Management (ICCTEM 2014), 17 to 19 July 2014, Vidyavardaka College of Engineering, Mysore.

9. Madhusudan G. Kalibhat and Prasad, S.K., "Seismic performance of soft storey steel building frame from pushover analysis", 4th International Workshop on Performance, Protection and Strengthening of Structures under extreme loading PROTECT 2013, August 26-27, Mysore, India.

10. Srikanta Prasad, S., Prasad, S.K. and Suresh, G. S., "Seismic Performance of Structural Frames Experiencing Stiffness Reduction Due To Fire", 4th International Workshop on Performance, Protection and Strengthening of Structures under extreme loading PROTECT 2013, August 26-27, Mysore, India.

11. Srikanta Prasad, S., Prasad, S.K. and Suresh, G. S., "Seismic Capacity of Frames designed for Earthquake, Wind and Gravity Loading", 3rd International Engineering Symposium, IES 2013, Kumamoto University, JAPAN, March 4-6, 2013.

12. Prasad,S.K, Towhata, I., Chandradhara, G. P. and Honda, (2013) "Need for Forensic Engineering in Earthquake Geotechnics – Case studies from 2001 Gujarat Earthquake", 4th International Seminar on Forensic Geotechnical Engineering – 4ISFGE 2013, Bangalore, 10th -12th January 2013.

13. Chandrashekar N. B. and Prasad, S.K., "Effects of location and area of opening on infill behaviour in frames during earthquake", International Conference on Current Trends in Engineering Management, ICCTEM 2012, Mysore, Karnataka, India, 12th to 14th July 2012.

14. Sandeep G. S. and Prasad, S.K., "Arias Intensity for damage assessment from seismogram during earthquakes", International Conference on Current Trends in Engineering Management, ICCTEM 2012, Mysore, Karnataka, India, 12th to 14th July 2012.

15. Sandeep G. S. and Prasad, S.K., "Housner intensity and specific energy density for earthquake damage assessment from seismogram", AARCV 2012: International Conference on Advances in Architecture and Civil Engineering, Bangalore, Karnataka, India, 21st to 23rd June 2012.

16. Chandrashekar N. B. and Prasad, S.K., "Pushover analysis for the effect of opening on seismic behaviour of infill frames", AARCV 2012: International Conference on Advances in Architecture and Civil Engineering, Bangalore, Karnataka, India, 21st to 23rd June 2012.

17. Prasad, S.K., Nanjundaswamy, P. and Chandradhara, G. P. "Sliding failure of Quay Wall for Performance Based Design", Invited Lecture, First Indo Japan Workshop in Geotechnical Engineering, Kochi, India, 14th December 2011.

18. Prasad, S.K., Srikanta Prasad, S., Syed Shakeeb Ur Rahman and Chandradhara, G. P., "Effect of Stiffness on Natural Period of Rigid Structural frame System", 14th Symposium on Earthquake Engineering And Golden Jubilee Celebrations, December 17-19, 2010, Roorkee, India

19. Govardhan, NavjeevSaxena and Prasad,S.K, "Static and Dynamic Behavior of Earthen Slopes in the Region of Uttarkashi, India", Fifth international conference on recent advances in Geotechnical earthquake engineering and soil dynamics and Symposium in honor of professor I. M. Idriss, San Diego, CA – May 24-29, 2010

20. Prasad, S. K., Nanjundaswamy, P., Praveen and Revanasiddappa, K.. "Seismic displacement of Quay Wall considering Backfill stiffness degradation during shaking", Indo-Japan Theme meeting and workshop on Disaster and Risk Reduction IJTM – 2008, Bangalore, India, August, 2008

21. Prasad,S.K., Nanjundaswamy, P., Praveen and Revanasiddappa, K.. "Studies On Seismic Performance Of Quay Wall From Model Tests", Indo-Japan Workshop on Advances in Geotechnical Engineering, Surathkal, India, March, 2008

22. Prasad, S. K., Chandradhara, G. P. and Nanjundaswamy, P. "Seismic Performance Of Earth Embankments", Intl. Conf. in Earthquake Hazard and Mitigation" EHAM-2007 Guwahati, Dec. 2007.

23. Prasad,S.K., Chandradhara, G. P., Nanjundaswamy, P and Vijayendra, K. V., "Geotechnical aspects of Sumatra earthquake of December 2004 in Andaman Islands", 13th Asian Regional Conference 13ARC, Kolkata, Dec. 2007

24. Prasad,S.K. and Towhata, I. "Permeability Of Ground During Shaking From Model Study" 13th Asian Regional Conference 13ARC, Kolkata, Dec. 2007

25. Chandradhara, G. P., Prasad,S.K. and Revansiddappa, K. “Dense Zone In Subsoil Of Embankment As A Counter Measure Against Earthquake”, 4th International Conference in Earthquake Engineering, Greece, June, 2007.

26. Prasad,S.K. and Chandradhara G. P. “Earthquake damages to embankments in Andaman Islands” 4th International Conference in Earthquake Engineering, Greece, June, 2007.

27. Prasad,S.K., Jagadeesh, N. M., Chandradhara, G. P. and PunitVibhu, “Mud Volcano In Andaman Islands – A Seismic Activity” Intl. Conf. Earthquake Engineering, Tanjore, India, February 2006.

28. Prasad,S.K., Jagadeesha, N. M., Yadunandan, C. N., Chandradhara, G. P. and Nanjundaswamy, P., “Performance Of Embankments In Andaman Islands During The Sumatra Earthquake Of December 2004”, Intl. Conf. Geotechnical Engg., Erode, India, February 2006

29. Chandradhara, G. P., Prasad,S.K. and Revansiddappa, K. “Equivalent linear Analysis of embankment subsoil system with dense zone from Finite Element Analysis”, Intl. Conf. Geotechnical Engg., Erode, India, February 2006

30. Chandradhara, G. P., Prasad,S.K., Nanjundaswamy, P. and Revansiddappa, K. “Seismic Mitigation of Embankments with dense zone in Subsoil”, submitted to 9th World Conference on Systemics, Cybernetics and Informatics SCI 2005, Florida, U.S.A., July 2005

31. Prasad,S.K., Jagadeesha, N. M., Yadunandan, C. N., Chandradhara, G. P. and Nanjundaswamy, P. “Weight Sounding Test as an Alternative to Standard Penetration Test”, Intl. Conf. in Advances in Geotechnical Engineering, Geopractice 2005, Bangalore, July 2005.

32. Prasad,S.K., Chandradhara, G. P., Nanjundaswamy, P. and Revanasiddappa, K. “Seismic Performance Of Reinforced Model Embankment On Shaking Table”, Intl. ConfGeosynthetics&GeoenvironmentalEngg, ICGGE 2004, Mumbai, December 2004

33. Chandradhara, G. P., Prasad,S.K., Nanjundaswamy, P. and Revanasiddappa, K. “Mitigation Measures against Seismic failure of embankments”, International E-Conference On Modern Trends In Foundation Engineering Geotechnical Challenges And Solutions, IEC Geo3, I.I.T., Madras, January 2004

34. Prasad,S.K. and Towhata, I. “Geotechnical aspects of Gujarath Earthquake of January 2001 in India”, presented as invited lecture at 12th Asian Regional Conference, Singapore, 4-8 Aug 2003.

35. Govindaraju, L., Ravikumar, M., Srinivasamurthy, B. R., Sitharam, T. G. and Prasad, S.K., “Frequency response analysis of Layered ground in Ahmedabad during Bhuj earthquake”, Proceedings,12th Asian Regional Conference, Singapore, 4-8 Aug 2003, pp 283-286.

36. Prasad,S.K., Chandradhara, G. P., Nanjundaswamy, P., Sunil, M. and Kiran, S. "Shaking Table Tests For Seismic Ground Response", submitted to Symposium on Advances in Geotechnical Engineering – SAGE 2003, I.I.T., Kanpur, March 2003.

37. Prasad,S.K., Sitharam, T. G., Chandradhara, G. P. and Vijayendra, K. V. 'Geotechnical aspects of codal provision under seismic loading', 15th International Conference in Soil Mechanics and Foundation Engineering, Istanbul, July 2001.

38. Prasad,S.K. and Towhata, I. 'Evaluation of dynamic properties from accelerogram during Hyogo Ken Nambu earthquake', Proc. Intl. Conf. on Civil Engg ICCE - 2001, Interline Publishing, Bangalore, pp 901-908, July 2001.

39. Vijayendra, K. V. and Prasad,S.K. 'Prediction of dynamic soil properties of soil from In situ SPT test', Proc. Intl. Conf. on Civil Engg ICCE - 2001, Interline Publishing, Bangalore, pp 909-916, July 2001.

40. Chandradhara, G. P. and Prasad,S.K., 'Response of RC frames to gravity load, wind load and earthquake load', Proc. Intl. Conf. on Civil Engg ICCE - 2001, Interline Publishing, Bangalore, pp 228-229, July 2001.

41. Nagaraj, T. S., Prasad,S.K. and Venugopal 'Superplasticizer - Its optimal dosage in cement based composites', Cement & Concrete Technology in 2000s, 2nd Intl. Symposium, Istanbul, Turkey, Sept 2000

42. Prasad,S.K. and Towhata, I. 'Liquefaction studies on sand and gravely model ground', International Conference on offshore &nearshoreGeotech. Engg. - GEOSHORE99, Mumbai, Oxford & IBH Publishing Co., New Delhi, pp. 251-256, Dec. 1999.

43. Prasad,S.K., Towhata, I., Kumajima, A. and Mizutani, T. 'Evaluation of deformation characteristics of model ground during shaking using a laminar box', 6th U.S-Japan Workshop on earthquake resistant design of lifeline facilities & countermeasures against liquefaction", Tokyo, Japan, 1996.

44. Prasad,S.K., Towhata, I. and Kumajima. A. 'Stress - Strain behavior of saturated ground in laminar box during shaking', Proc. 31st Conf., Japanese Society for Soils & Foundations, V1, pp. 939-940, 1996.

45. Prasad,S.K., Towhata, I. and Mizutani, T. 'Determination of dynamic properties of sand at low confining pressures using a laminar box', Proc. 30th Conf., Japanese Society for Soils & Foundations, V2, pp. 817-820, 1995.

46. Kameshwara Rao, N. S. V. and Prasad,S.K. 'Semi-analytical Finite Element Analysis of laterally loaded piles', 6th International Conference on Numerical methods in Geomechanics, Innsbruck, Austria, April 1988.

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

1. Mallanagouda, B. and Prasad, S.K. (2016) "Seismic vulnerability of irregular RC buildings on soft grounds from Gazetas approach", Paper # 523, 15-17 Dec 2016, Indian Geotechnical Conference IGC 2016, Chennai.

2. Barnali Ghosh and Prasad, S.K. (2016) "Finite element analysis of earth dams under seismic condition", Paper # 191, 15-17 Dec 2016, Indian Geotechnical Conference IGC 2016, Chennai.

3. Prasad, S.K. (2016) "Importance of Stable Foundation in Seismic Environment', delivered 5th Madhav Lecture Series, National workshop on Geodisaster, JNTU Hyderabad organized by Indian Geotechnical Society Hyderabad Chapter, 1st October 2016.

4. Prasad, S.K., (2016) "Performance Based design in Earthquake Engineering", Keynote Lecture, National Conference on Latest trends in Civil Engineering and sustainable development from 2^{6th} to 2^{7th} February 2016, Mangalore Institute of Technology & Engineering, Moodabidri

5. Prasad, S.K., "Landslide due to human interference and early monitoring of slope instability", One Day National Seminar on "Natural and Disaster Mitigation Management (TC-3) (NDMM)" on 12th September 2015 at S.G.S. Institute of Technology & Science, Indore.

6. Priyanka R and Prasad S.K., "Performance Study of Retaining Wall using PLAXIS", Proceedings of RAID 2015, National Workshop on Recent Advances in Infrastructural Development, JSSATE, Bengaluru, 25th to 27th March 2015.

7. Nagaraj and Prasad S.K., "Influence of stiffness variation in between column –beam on seismic performance of R C frames from pushover analysis", Proceedings of RAID 2015, National Workshop on Recent Advances in Infrastructural Development, JSSATE, Bengaluru, 25th to 27th March 2015.

8. Shivakumar, Sunil N and Prasad S.K., "Seismic performance study on soft storey structures using pushover analysis", Proceedings of RAID 2015, National Workshop on Recent Advances in Infrastructural Development, JSSATE, Bengaluru, 25th to 27th March 2015.

9. Chandradhara, G.P. and Prasad,S.K., "Dynamic behavior of embankment on weak and stiff subsoil", accepted for presentation on Indian Geotechnical Conference IGC 2014, 18 to 20 Dec 2014, University College of Engineering, Kakinada.

10. Rajesh M. N. and Prasad,S.K., "Influence of foundation flexibility on the behavior of R C frames using pushover analysis", accepted for presentation on Indian Geotechnical Conference IGC 2014, 18 to 20 Dec 2014, University College of Engineering, Kakinada.

11. Dinakara K. N. and Prasad,S.K., "Comparative study of support systems for deep excavation using PLAXIS", accepted for presentation on Indian Geotechnical Conference IGC 2014, 18 to 20 Dec 2014, University College of Engineering, Kakinada.

12. Prasad,S.K. and N. M. Jagadeesh, "Slope failures due to human disturbance leading to malfunctioning of infrastructure: Who is responsible?", Forensic Geotechnical Engineering Preconference Workshop, 10th October 2014, Ludhiana.

13. Prasad,S.K., N. M. Jagadeesh and C. N. Yadunandan, "Case Studies on Failure of Retaining Wall", National Conference on Geotechnical Engineering Practice and Sustainable Infrastructure Development GEPSID 2014, 10th to 12th October 2014, GurunanakDev Engineering College, Ludhiana.

14. Dinakar K N and S.K.Prasad, "Stabilization Of Deep Excavation By Soil Nailing Using PLAXIS", First Annual Conference on Innovations and Developments in Civil Engineering, (ACIDIC-2014), NITK,Surathkal, 19-20 May 2014.

15. Rajesh M N and S.K.Prasad, "Influence of Detailing Aspects on the Seismic Behaviour of RC Frames from Pushover Analysis", First Annual Conference on Innovations and Developments in Civil Engineering, (ACIDIC-2014), NITK,Surathkal, 19-20 May 2014.

16. Prasad,S.K., "Geotechnical Lessons from Past Earthquakes", Invited Lecture, One day National Seminar on Challenges in Geotechnical Engineering, 23rd August 2013, VIT University, Vellore.

17. Prasad,S.K., "Importance of Site effect and Liquefaction in earthquake prone areas", Invited Lecture, National Conference on Recent Advances in Civil Engineering RACE 2013, 29 – 30th April 2013, K L E College of Engineering & Technology, Belgaum.

18. Madhusudan G. Kalibhat and Prasad,S.K., "Comparison of base shear carrying capacity of steel frames from Response spectrum approach with that of Pushover analysis" National Conference on Recent Advances in Civil Engineering RACE 2013, 29 – 30th April 2013, K L E College of Engineering & Technology, Belgaum.

19. Madhusudan G. KalibhatandPrasad,S.K., "Seismic performance of structural frames with increase in imposed loads from pushover analysis", National Conference in New Horizons in Civil Engineering, Manipal Institute of Technology, Manipal, 12 – 13, April 2013.

20. Prasad,S.K., "Seismic Performance of Earth Embankments – Case studies", One day National Seminar on "Embankments: Design and Construction", 9th March 2013, Saturday Organized by IGS Chennai Chapter

21. Srikanta Prasad, S., Seetharamaiah, R. V., Prasad,S.K. and Suresh, G. S., "Analysis and design of a dock structure in harbor", Fifth CUSAT conference on Recent Advances in Civil Engineering (RACE 2012), Nov 29 to Dec 1, 2012 at Cochin, Kerala (*Received Best Paper Award*).

22. Madhusudhan, Prasad,S.K. and Srikanta Prasad, S., "Pushover analysis for seismic strengthening of steel structural frames with bracings", Fifth CUSAT conference on Recent Advances in Civil Engineering (RACE 2012), Nov 29 to Dec 1, 2012 at Cochin, Kerala.

23. Geethanjali K. N., Viswanadham, B.V.S. and Prasad,S.K., "Introduction of discrete and randomly distributed fibers to enhance unconfined strength of siltysand",Fifth CUSAT conference on Recent Advances in Civil Engineering (RACE 2012), Nov 29 to Dec 1, 2012 at Cochin, Kerala.

24. Chandradhara, G. P., Prasad,S.K. and Nanjundaswamy, P., "Assessment of down-hole acceleration in Bradbury dam during Santa Barbara earthquake", Proceedings of Indian Geotechnical Conference, IGC 2012, New Delhi, 13th to 15th December 2012, Volume 2, pp989-992.

25. Srikanta Prasad, S., Prasad,S.K. and Suresh, G. S., "Conflicting Foundation Idealisation for Seismic design of frame structure", Proceedings of Indian Geotechnical Conference, IGC 2012, New Delhi, 13th to 15th December 2012, Volume 2, pp993-996.

26. Barnali Ghosh and Prasad,S.K., "Performance of RockfillDams during earthquake", Proceedings of Indian Geotechnical Conference, IGC 2012, New Delhi, 13th to 15th December 2012, Volume 2, pp985-9882.

27. Vijayendra, K. V., Prasad,S.K. and Sitharam Nayak, "Effect of layer impedance ratio on the frequency characteristics of predicted surface motion", Proceedings of Indian Geotechnical Conference, IGC 2012, New Delhi, 13th to 15th December 2012, Volume 2, pp 967-970.

28. Prasad,S.K. and Nanjundaswamy, P. "Performance based seismic design of geotechnical structures – a new trend", Invited paper at the National workshop on 'Emerging Trends in Geotechnical Engineering' - ETGE 2012 at Indian Institute of Technology, Guwahati, 8th June 2012.

29. Prasad,S.K.and Chandradhara, G. P. "Seismic failure of earth embankments due to weakening of sub-soil and strengthening by provision of dense zone in sub-soil", Invited paper at the National Seminar on "Engineering for Ground Improvement and Rehabilitation of Old Structures" organized at Gujarat Institute of Civil Engineering & Architect building, Law Garden, Ahmedabad, March 10, 2012.

30. Chandradhara, G. P. and Prasad, S. K. "Why response spectrum approach is needed in earthquake geotechnical engineering?", IGC 2011, Kochi, Dec 2011.

31. Prasad, S. K.,ShaikKabeer Ahmed and Srikanta Prasad, S. "Influence of Ground Flexibility on Seismic Performance of 3-D Frame", IGC 2011, Kochi, Dec 2011.

32. Vijayendra, K. V., Prasad,S.K. and SitharamNayak , "Importance of adopting continuous variation in soil properties instead of layered idealization in seismic response study of ground", IGC 2011, Kochi, Dec 2011.

33. Prasad,S.K., "Relevance of Earthquake Geotechnical Engineering to Construction Industry", Invited Lecture, National Workshop on Challenges in Geotechnical Engineering, Kakinada, Andhra Pradesh, 2nd October 2011.

34. Srikanta Prasad, S., Prasad,S.K. and Yadunandan, C. N., "Seismic Performance of R C Frames designed for gravity loading", National Conference on Recent Developments in Civil Engineering, VVIET, Mysore, Karnataka, April 8th & 9th, 2011.

35. Siddesh, K. N. and Prasad,S.K., "Influence of sloping ground on stress distribution on tunnel structure from FLAC-2D", National Conference on Recent Developments in Civil Engineering, VVIET, Mysore, Karnataka, April 8th & 9th, 2011.

36. Shaik Kabeer Ahmed and Prasad,S.K. "Influence of Soft Storey on Seismic Performance of Building Frames from Pushover Analysis", National Conference on Recent Developments in Civil Engineering, VVIET, Mysore, Karnataka, April 8th & 9th, 2011.

37. Govardhan, D.K.Paul, Prasad,S.K. and Chandradhara G P, "Dynamic response analysis of embankments-A case study", Landslide Hazards-Consequences & Challenges, 10-12 February 2011 at CBRI, Roorkee.

38. Vijayendra, K.V.,Prasad,S.K.and SitaramNayak, "Computation of Fundamental Period of Soil Deposit – A Comparative Study", Theme No: T-4: Geotechnical Earthquake Engineering, Indian Geotechnical Conference IGC 2010, Geotrendz, Mumbai 16 – 17, 2010

39. Prasad,S.K. and Srikanta Prasad, S., "Influence of flexible ground on seismic performance of structure" Theme No: T-4: Geotechnical Earthquake Engineering, Indian Geotechnical Conference IGC 2010, Geotrendz, Mumbai 16 – 17, 2010

40. Prasad,S.K.,SitharamNayak, Vijayendra, K. V. and Satish Reddy, "Site specific ground motion for seismic design of structures", Invited Lecture, 4th CUSAT National Conference on Recent Advances in Civil Engineering, Cochin, Sept 16-18, 2010

41. Prasad, S. K.,Srikanta Prasad, S., "Seismic performance study of R C frames using pushover analysis", 4th CUSAT National Conference on Recent Advances in Civil Engineering, Cochin, Sept 16-18, 2010

42. Prasad, S. K. and Sushma, C. K., "Evaluation of bearing capacity of soil from continuum approach using FLAC", 4th CUSAT National Conference on Recent Advances in Civil Engineering, Cochin, Sept 16-18, 2010

43. Prasad, S. K. and Chandradhara, G. P. "seismic performance and design issues of earthen dams and embankments" Invited Lecture, National Workshop on seismic design of earth structures & foundations for high rise buildings on 26th June 2010, IIIT, Hyderabad

44. Prasad, S. K.,Vijayendra, K. V., SitaramNayak, Chandradhara, G. P. "Requirements of site investigation for seismic design of geotechnical structures" Invited Lecture, National Workshop on Soil Exploration & Foundation Design, 25 – 26 June 2010, Vadodara

45. Prasad, S. K. and Nanjundaswamy, P. "Design aid for permanent sliding displacement of quay wall", IGC 2009 held at Guntur in February 2010.

46. Prasad, S. K. and Nanjundaswamy, P. "Performance based design in earthquake geotechnical engineering", Invited Lecture in National workshop on Advances in Geotechnical Engineering., September 2009, Hyderabad.

47. Prasad, S. K.,Nanjundaswamy, P. and Revanasiddappa, K.. "Seismic Analysis of Quay Wall for Sliding Displacement", Indian Geotechnical Conference, IGC 2008, Bangalore, December, 2008

48. Prasad, S. K.,Nanjundaswamy, P. and Revanasiddappa, K.. "Seismic Analysis of Quay Wall for Rotational Displacement", National Symposium on Geoenvironment, Geohazard, Geosynthetics and Ground Improvement, Geosymposium 2008, New Delhi, India, July, 2008

49. Prasad, S. K., Nanjundaswamy, P., Praveen and Revanasiddappa, K.. "Seismic Analysis of Quay Wall for Sliding Displacement", National Symposium on Geoenvironment, Geohazard, Geosynthetics and Ground Improvement, Geosymposium 2008, New Delhi, India, July, 2008

50. Anup Shekar, Prasad, S. K. and Yadunandan C. N. " Effect of soil flexibility on the behavior of Super Structure", 1st Young Geotechnical Engineers Conference, Hyderabad, March 2007.

51. Punit Vibhu, Prasad S. K. and Chandradhara G. P. " Bearing Capacity of Soil using FLAC", 1st Young Geotechnical Engineers Conference, Hyderabad, March 2007.

52. Goverdhan, Bharatheesh, Prasad S. K. and Chandradhara G. P. "Earthquake induced permanent displacement of earthen slopes", 1st Young Geotechnical Engineers Conference, Hyderabad, March 2007.

53. Chandradhara, G. P., Prasad, S. K. and Revanasiddappa, K. "Effect of frequency on Seismic Slope Stability using Finite Element Technique", IGC-2006, IIT, Madras, Chennai, Dec 2006.

54. Prasad, S. K. and Chandradhara, G. P. "Geotechnical Aspects Of Sumatra Earthquake Of December 2004 In Andaman Islands", Submitted to Institution of Engineers (India)

55. Chandradhara, G. P. and Prasad, S. K. "Physics of Sumatra Tsunami", Submitted to Institution of Engineers (India)

56. Chandradhara, G. P., Prasad, S. K., Revanasiddappa, K. "Finite Element Analysis Of Seismic Slope Stability From Pseudo-Static Approach", National Workshop in Earthquake Engineering, B. M. S. College of Engineering, Bangalore, February 2006.

57. Prasad, S. K.,Jagadeesha, N. M., Yadunandan, C. N., Chandradhara, G. P. and Nanjundaswamy, P., "Performance Of Harbor Structures In Andaman Islands During The Sumatra Earthquake Of December 2004", National Seminar on Recent Developments in

Design and Construction Technologies, REDECON 2005, 27th to 29th October 2005, Bangalore.

58. Chandradhara, G. P., Prasad, S. K., Revanasiddappa, K. "Finite Element Analysis of Dense Zone in Subsoil as a seismic mitigation of embankments", National Seminar on Recent Developments in Design and Construction Technologies, REDECON 2005, 27th to 29th October 2005, Bangalore.

59. Prasad, S. K., Jagadeesha, N. M., Yadunandan, C. N., Chandradhara, G. P. and Nanjundaswamy, P. "Weight Sounding Equipment for field testing of soil", Submitted to Indian Geotechnical Conference IGC-2005, Ahmedabad, December 2005.

60. Prasad, S. K., Chandradhara, G. P., Nanjundaswamy, P. and Revanasiddappa K, "Seismic Bearing Capacity Of Ground From Shaking Table Tests", IGC-2004, Warangal, December 2004.

61. Chandradhara, G. P., Prasad, S. K., Nanjundaswamy, P. and Revanasiddappa, K. "Mitigation Measures Against Seismic Failure Of Model Embankments", NSAGE, National Symposium on Advances in Geotechnical Engineering, I.I.Sc., Bangalore, July 2004

62. Prasad, S. K. and Towhata, I. "Applications of Laminar Box in earthquake geotechnical engineering", National Workshop on Current Practices and Future trends in Earthquake Geotechnical Engineering, I. I. Sc., Bangalore, December 2003

63. Chandradhara, G. P., Prasad, S. K., Nanjundaswamy, P. and Revanasiddappa "Model Tests for seismic response of ground using manual shaking table", National Workshop on Current Practices and Future trends in Earthquake Geotechnical Engineering, I. I. Sc., Bangalore, December 2003

64. Hiremath, B. N. and Prasad, S. K. "Applications of Wavelet theory to Earthquake Geotechnical Engineering", Paper submitted for presentation in IGC-2003, Roorkee, December 2003.

65. Chandradhara, G. P., Prasad, S. K., Nanjundaswamy, P. and Revanasiddappa, K. "Performance Of Model Embankments Under Seismic Loading", Paper submitted for presentation in IGC-2003, Roorkee, December 2003.

66. Nanjundaswamy, P., Prasad, S. K., Chandradhara, G. P. and Revanasiddappa, K. "Performance Of Quay Walls During Shaking From Shaking Table Tests", Paper submitted for presentation in IGC-2003, Roorkee, December 2003.

67. Chandradhara, G. P., Prasad, S. K. and Nanjundaswamy, P. "*Seismic Response Of Model Embankments From Shaking Table Tests"*, 12SEE-2002, December, 2002.

68. Prasad, S. K. , Towhata, I. and Chandradhara, G. P., "*Field Investigation On Damage Suffered By Earth Dams During The Gujarat Earthquake"*, 12SEE - 2002, December, 2002

69. Nanjundaswamy, P., Chandradhara, G. P. and Prasad, S. K. "*Effects of Input motion and soil properties on Seismic Ground motion"*, IGC 2002, Allahabad, Dec. 2002.

70. Prasad, S. K., Chandradhara, G. P., Nanjundaswamy, P. and Vijayendra, K. V. "*Seismic Ground Response With Continuous Variation Of Soil Properties"*, IGC 2002, Allahabad, Dec. 2002

71. Prasad, S. K., Chandradhara, G. P. and Vijayendra, K. V. *'Seismic Ground Response at Ahmedabad during the 2001 Gujarat Earthquake'*, Proc. Indian Geotechnical Conference - IGC 2001, Indore, Vol. 1, Phoenix Publishing House Pvt. Ltd., New Delhi, pp.336-339, Dec 2001.

72. Chandardhara, G. P., Prasad, S. K.,Dhanunjaya, Y. C. and Umashankar, H. M. *'Seismic behaviour of Rigid structure on saturated model ground*, Proc. Indian Geotechnical Conference - IGC 2001, Indore, Vol. 1, Phoenix Publishing House Pvt. Ltd., New Delhi, pp.301-310, Dec 2001.

73. Prasad, S. K. *'Can Gravelly Soil liquefy?'*, Proc. Indian Geotechnical Conf. IGC 2000, Quest Publications, Mumbai, pp. 363-364, Dec 2000.

74. Chandradhara, G. P. and Prasad, S. K., *'An approach to assess damage during earthquakes'*, Proc. Indian Geotechnical Conf. IGC 2000, Quest Publications, Mumbai, pp. 359-360, Dec 2000.

75. Venugopal,Nagaraj, T. S. and Prasad, S. K. '*Free Flow Grouts - Analysis & Assessment of flow and strength development'*, ICI, ACECON, Bangalore, Nov 2000.

76. Prasad, S. K.,Tanuraj, M. and Vijayendra, K. V.*'Earthquake Response Analysis of Horizontally Layered Ground'*, Proc. Indian Geotechnical Conf. IGC-99, New Age Intl. Pvt. Ltd. Publishers, Calcutta, Vol. 1, pp. 367-370, Dec. 1999.

77. Prasad, S. K. *'Dynamic Soil Properties of model ground in a laminar box'*, Proc. Golden Jubilee Indian Geotechnical Conference - IGC98, Vol 1, New Delhi, pp. 21-24, Dec. 1998.

78. Prasad, S. K. and Swami, V. '*Knowledge Based Expert Interactive System for Industrial Roofs'*, VII National Systems Conference, Kanpur, Dec. 1993

79. Prasad, S. K. and KameshwaraRao, N. S. V. *'Finite Element analysis of laterally loaded piles'*, All India Conference on Tall Buildings, Institution of Engineers, Roorkee, March 1993.

80. Prasad, S. K. and Venkateshwara Rao K 'Expert System for Water Tanks', Symposium on Structural Engineering and National Development, I.I.T., Kanpur, Feb 1993.