

Publications

Research Publications

Books/ Manuals	Papers in Refereed International Journals	Papers in Refereed National Journals	Contributed papers in Conference or Symposium
1	38	72	85

Google scholar : 950
Citations

h-index : 14

i10-index : 18

(a) List of Books

1. Rajamane N. P., M C Nataraja, R. Jeyalakshmi and Mohd Mustafa Al Bakri Abdhullah(**Universiti Malaysia Perlis**), ‘Introduction to Geopolymer Technology’, Digital Edition, Master Builders, India, 2016

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

1999

1. Nataraja, M. C., Dhang, N and Gupta, A. P., ‘Stress-strain Curves for Steel Fiber Reinforced Concrete in Compression’, **International Journal of Cement and Concrete Composites**, UK, Vol. 21, No. 5/6, 1999, pp. 383-390.
2. Nataraja, M. C., Dhang, N and Gupta, A. P., ‘Statistical Variations in Impact Resistance of Steel Fiber Reinforced Concrete Subjected to Drop Weight Test’, **International Journal of Cement and Concrete Research**, USA, Vol. 29, No. 7, 1999, pp. 989-995.

2000

3. Nataraja, M. C., Dhang, N and Gupta, A. P., ‘Toughness Characterization of Steel Fiber Reinforced Concrete by JSCE Approach’, **International Journal of Cement and Concrete Research**, USA, Vol. 30, No. 4, 2000, pp. 593-597.
4. Nataraja, M. C., Dhang, N and Gupta, A. P., ‘A Study on the Behavior of Steel Fiber Reinforced Subjected to Splitting Test’, **Asian Journal of Civil Engineering**, Teheran, Iran, Vol. 1, No. 1, Jan. 2000, pp. 1-11.

2001

5. Nataraja, M. C., Nagaraja, T. S and Ashok Reddy., ‘Re-proportioning Concrete Mixes with Quarry Wastes’, **International Journal of Cement, Concrete, and Aggregates**, ASTM, CCAGDP, Vol. 23, No. 1, December 2001, P.P. 1 to 7.

2005

6. Nataraja, M. C, Nagaraj, T. S, and S. B. Basavaraj, “Reproportioning of Steel Fiber Reinforced Concrete and its Impact resistance”, **International Journal of Cement and Concrete Research**, USA Vol. 35, No.12, pp. 2350-2359, 2005.

2006

7. **Nataraja, M. C.**, Nagaraj, T. S, Bavanishankar, S and B.M. Ramalinga Reddy, "Proportioning cement based composites with burnt coal", **International Journal of Materials and Structures**, RILEM 2006 Online, DOI 10.1617/s11527-006-9142-8, Vol. 40, No.6, July 2006, pp. 543-552.
8. **Nataraja, M. C.**, Jayaram, M. A, and Ravikumar. C. N, "A Fuzzy-Neuro Model for Normal Concrete Mix Design", **International Journal of Engineering Letters**, Special issue on hybrid Intelligent Systems using Neural Networks, Fuzzy Logic and Genetic Algorithms, International Association of Engineers, USA, Vol 13(2), September 2006, pp. 98-107.
9. **Nataraja, M. C.**, M.A.Jayaram, Ravikumar. C. N, "Kohonen's Self-Organizing Feature Maps for Fly Ash Categorization", **International Journal of Neural systems**, World Scientific Publishing, Vol 16(6), December 2006, pp 457-466.
10. Jayaram, M. A., **Nataraja, M. C.**, Ravikumar. C. N, "Prediction of Early Strength of Concrete- A Fuzzy Inference System Model", **International Journal of Physical Systems**, Vol. 1(2), October 2006, Academic Journals, USA, pp 47-56.

2007

11. **Nataraja, M. C.**, Nagaraj, T. S, "Exploiting Potential Use of Partially-deteriorated Cement in Concrete Mixtures", **International Journal of Resources, Conservation & Recycling**, USA, No.51, Issue 2. August 2007, pp. 355-366.

2008

12. Jayaram, M. A., **Nataraja, M. C.**, Ravikumar. C. N, "Characterization of Concrete Through Approximate Modus Ponens", **International Journal of Mathematics, Computers and Computer Applications**, Vol. 1, No. 2, June 2008, pp385-396.
13. **Nataraja, M. C** and Nalanda, Y, Performance of Industrial By-Products in Controlled Low Strength Materials (CLSM), **International Journal of Waste management**, USA, Volume 28, Issue 7, 2008, Pages 1168–1181

2009

14. Jayaram, M. A., **Nataraja, M. C.** and Ravikumar. C. N, 'Elitist Genetic Algorithm Models: Optimisation of high performance concrete mixes', **International Journal of Materials and Manufacturing Processes**, Vol. 24, No. 2, February 2009, pp. 225-229.
15. **Nataraja, M. C.** and Nalanda, Y, 'Stress-strain behaviour of flowable fill, Online publication, **Int. Journal of Geotechnical and Geological Engineering**, June 2009, Volume 27, Issue 3, pp 341-354

2010

16. Jayaram, M. A., **Nataraja, M. C.** and Ravikumar. C. N, 'Design of High Performance Concrete Mixes through particle swarm optimization' **Journal of Intelligent Systems**, Vol. 19, No. 3, 2010, pp. 249-264.

2011

17. Jayaram, M. A., **Nataraja, M. C.** and Ravikumar. C. N, 'Cascading SOFM and RBF Networks for Categorization and Indexing of Fly Ashes' **Journal of Intelligent Systems**, Vol. 20, No. 1, 2011, pp. 106-122.
18. Bhavanishankar, S., Devdas, H. D and **Nataraja, M. C.**, 'Properties of Self Compacting Mortar containing Steel Fiber with cementitious blends of FA, GGBS and SF', **International Journal of Earth Sciences and Engineering**, Vol. 04, 2011, pp. 201-208.
19. Dattatreya J K, Rajamane NP , Sabitha D, Ambily P S, **Nataraja M C**, [2011], "Flexural behaviour of reinforced Geopolymer concrete beams", **International Journal Of Civil And Structural Engineering**, Vol.2, No.1, pp 138-159
20. N. P. Rajamane , **M. C. Nataraja**, N. Lakshmanan, and J. K. Dattatreya, [2011], "Rapid migration test for comparison of chloride penetration into geopolymer and Portland pozzolana cement concretes", **International Journal of 3R's** (Apr-Jun,2011), Vol.2, No.2, pp 246-252

2012

21. Rajamane N. P., **Nataraja M. C.**, N. Lakshmanan, J. K. Dattatreya , (2012), " Studies on use of potassium silicate as replacement for sodium silicate in Alkali Activator Solution of GGBS based self-curing geopolymer concrete ", **International Journal of 3R's**, Vol. 3, No. 1, January-March, pp 378-388
22. Rajamane N. P., **Nataraja M. C.**, N. Lakshmanan, J.K. Dattatreya, and D. Sabitha (2012), 'Sulphuric acid resistant ecofriendly concrete from geopolymerisation of blast furnace slag, **Journal of Engineering Materials and Sciences**, Council of Scientific and Industrial Research, CSIR, India, Vol. 19, October-December 2012, pp. 357-367
23. M Vijaya Sekhar Reddy, I V Ramana Reddy, K Madan Mohan Reddy, **M C Nataraja** and N Krishna Murthy, 'Durability Aspects of High Performance Concrete Containing Supplementary Cementing Materials', **International Journal of structural and Civil Engineering Research**, Vol. 1, No. 1, pp. 61-59.

2013

24. **Nataraja M. C.**, Dileep Kumar P. G., Manu A. S., Sanjay M. C. (2013), " Use of Granulated Blast Furnace Slag as fine aggregate in cement mortar", **International Journal of structural and Civil Engineering Research**, Vol. 2, No. 2, pp. 34-39.

25. M. N. Balakrishna and **M. C. Nataraja** (2013). "Proportioning of fly ash concrete mixes- A comprehensive approach", **International Journal of Emerging Science and Engineering**, Vol. 1, No. 8, June 2013.
26. **M. C. Nataraja** and M. C. Sanjay, "Modified Bolomey equation for the design of concrete", **Journal of Civil Engineering, Institution of Engineers, Bangladesh (IEB)**, 41 (1) (2013) 59-69.

2014

27. M. C. Nataraja, G. N. Chandan and T. J. Rajeeth, 2014, "Concrete mix design using copper slag as fine aggregate", **International Journal of Civil Engineering & Technology (IJCIET)**, Volume: 5, Issue: 9, Pages: 90-99.
28. Nataraja M. C. and Arjun K, "A comparative study on the analysis and design of base plate by different approaches", **International Journal of Civil Engineering Technology and Research**, pp. 33-38, Vol. 2, No. 1, 2014.
29. Nataraja M. C., Chandan G N and Rajeeth T J "Flow properties of cement mortar using copper slag as fine aggregate", **International Journal of Civil Engineering Technology and Research**, pp. 23-31, Vol. 2, No. 1, 2014.
30. Nataraja M. C., and Vineeth K L, "Studies on Engineering Properties of Pervious Concrete incorporating Green Materials", **International Journal of Civil Engineering Technology and Research**, pp. 103-109, Vol. 2, No. 1, 2014.
31. N. P. Rajamane, P. S. Ambily, M. C. Nataraja and Lelin Das, Discussion paper on " Modified Bolomey equation for strength of light weight concretes containing fly ash aggregates", **Magazine of Concrete Research, Institution of Engineers, London**, Vol. 66, Issue 24 December 2014 , pages 1286 - 1288

2015

32. Rajamane N. P., M C Nataraja, R. Jeyalakshmi and S Nithiyanantham, (2015), "Greener durable concretes through geopolymerisation of blast furnace slag", **Materials Research Express**, Vol 2, No 5, <http://iopscience.iop.org/2053-1591/2/5/055502/>, p8.

2016

33. M. C. Nataraja, S. Puneeth, H. A. Nithin, V. Rakshith, M. S. Akshay and S. P. Akash, 'Ensuring construction equipment workers safety based on noise dosimeter study', **Indian Journal of Advances in Chemical Science**, An International peer reviewed chemistry journal, ISSN No.: 2320-0898 (Print); 2320-0928 (Electronic), S1, 2016, pp.
34. M. C. Nataraja and H. R. Priyanka, 'Characterization of Blended Manufactured Sand (M-sand) Based on New Zealand Flow Cone Method', **Indian Journal of Advances in Chemical Science**, Special issue, An international peer reviewed chemistry journal, ISSN No.: 2320-0898 (Print); 2320-0928 (Electronic), S1, May 2016, pp. 230-235

35. M. C. Nataraja, A. R. Amrutha, G. Chaitra, H. G. Leela, A. M. Rakshith, S. D. Sneha, 'Effective Utilization of Slag Sand and Ground Granulated Blast furnace Slag for the Production of Green and Sustainable Concrete', *Indian Journal of Advances in Chemical Science*, An International peer reviewed chemistry journal, ISSN No.: 2320-0898 (Print); 2320-0928 (Electronic), S1, 2016, pp.
36. M. C. Nataraja and N. R. Vadiraj Rao, 'Controlled Low Strength Material with Fly Ash and Cinder Aggregates - An Effective Replacement for the Compacted Backfill', *Indian Journal of Advances in Chemical Science*, An International peer reviewed chemistry journal, ISSN No.: 2320-0898 (Print); 2320-0928 (Electronic), S1, 2016, pp.
37. M. Vijaya Sekhar Reddy, M. C. Nataraja, N. Krishna Murthy and K. C. S. Reddy, 'Study on the Effect of Supplementary Cementing Materials on the Durability Properties of M70 Grade High Performance Concrete with Superplasticizer', *Indian Journal of Advances in Chemical Science*, An International peer reviewed chemistry journal, ISSN No.: 2320-0898 (Print); 2320-0928 (Electronic), S1, 2016, pp.
38. N. P. Rajamane, M. C. Nataraja, R. Jeyalakshmi and S. Nithiyanantham, 'An empirical model to estimate density of sodium hydroxide solution: An activator of geopolymer concretes', *The European Physical Journal Plus*, Vol. 131, No. 2, pp.1-11, 2016, DOI 10.1140/epjp/i2016-16028-4

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

1994

1. Sundara Raja Iyengar, K. T., Nataraja, M. C, Prasad, S. K. B and Lakshmi Sinivasan, V, 'Analysis and Design of Reinforced Concrete Corbels', **Indian Concrete Institute Bulletin**, No. 49, Oct-Dec. 1994, pp. 15-22.

1997

2. Nataraja, M. C., Dhang, N and Gupta, A. P., 'Computer Aided Concrete Mix Proportioning', **The Indian Concrete Journal**, Vol. 71, No. 9, Sept. 1997, pp. 487-492.

1998

3. Nataraja, M. C., Dhang, N and Gupta, A. P., 'Steel Fiber Reinforced Concrete under Compression', **The Indian Concrete Journal**, Vol. 72, No. 7, July 1998, pp. 353-356.
4. Nataraja, M. C., 'Toughness of Steel Fiber Reinforced Concrete Under Impact Test', **Journal of the Civil Engineering Society**, A Special Issue, Indian Institute of Technology, Khargpur, January 1998, pp. 1-6.

5. Nataraja, M. C., 'Concrete Mix Design as per IS:10262-A Ready Reference' **Journal of the Civil Engineering Society**, Indian Institute of Technology, Kharagpur, July 1998, pp.1-6.
6. Nataraja, M. C., Dhang, N and Gupta, A. P., 'A Study on Steel Fiber Reinforced Concrete Composite Using Pulse Velocity Technique', **Indian Concrete Institute Bulletin**, No. 65, Oct.-Dec. 1998, pp. 25-27.

1999

7. Nataraja, M. C and Srinivasa, G., "Effect of Superplasticiser on Properties of Medium and High Strength Concrete, **New Building Materials and Construction World**, Vol. 4, No. VII, Jan. 1999, pp. 38-43.
8. Nataraja, M. C., Dhang, N and Gupta, A. P., 'A Study on SFRC Composite using Ultrasonic Pulse Velocity Technique', **The Journal of Institution of Engineers**, India, Vol. 79, Feb. 1999, pp. 145-148.
9. Nataraja, M. C., Dhang, N and Gupta, A. P., 'A Simple Equation for Concrete Mix Design Curves of IS:10262-1982', **The Indian Concrete Journal**, Vol. 73, No. 2, Feb. 1999, pp. 111-115.

2001

10. Nataraja, M. C., Dhang, N and Gupta, A. P., 'Splitting Tensile Strength of Steel Fiber Reinforced Concrete', **Indian Concrete Journal**, Vol. 75, No. 4, April 2001, pp. 287-290.
11. Nataraja, M. C and Harish Kumar., 'Truss Analogy Vs Softened Strut and Tie Model for the Design o RCC Corbels, **The Indian Concrete Journal**, Vol.75, No.11, November 2001, pp. 723-729.

2005

12. M. C. Nataraja, "Mixture proportioning and properties of slag concrete", **The Master Builder, India**, Vol., 2005, pp.23-31

2006

13. **Nataraja, M. C.**, Jayaram, M. A, and C.N.Ravikumar, "An Integrated Soft Computing Techniques for proportioning Standard Concrete Mixes", **New Building Materials and Construction World**, January 2006, Vol. 11, No 1, India.
14. Girish Raj Urs, **Nataraja, M. C.**, and Nagaraj T. S, 'Re-proportioning concrete mixtures for rapid production of pre-cast units', **Indian Concrete Journal**, Vol. 80, No. 4, April 2006, pp. 40-44.
15. Girish Raj Urs, **Nataraja, M. C.**, and Nagaraj T. S, 'Discussion paper and reply on Re-proportioning concrete mixtures for rapid production of pre-cast units', **Indian Concrete Journal**, Vol. 80, No. 7, July 2006, pp. 10-12.

16. **Nataraja, M. C. and Neetha, R.**, “Parametric analysis of Castellated Beams”, **INSDAG’S Journal of Steel in Construction**, India, July 2006, pp. 25-34, India
17. **Nataraja, M. C.**, Jayaram, M. A, and Ravikumar. C. N, “Group-indexing fly ashes through radial basis function network”, **Indian Concrete Journal**, Vol. 80, No. 7, July 2006, pp. 39-45.
18. Jayaram, M. A., **Nataraja, M. C.**, Ravikumar. C. N, Layered Fuzzy System Models for Design problems, **Journal of Computer Science**, Vol.2, No. 1, July-August 2006, pp.42-52.

2007

19. **Nataraja, M. C** and Nalanda, Y., “Properties of Controlled Low Strength Materials Containing Quarry Dust”, **Indian Geo-technical Journal**, No. 37, Vol. 1, January 2007, pp. 38-52.

2008

20. Jayaram, M. A., **Nataraja, M. C.** and Ravikumar. C. N, ‘Optimum Neural Network Model: Stress strain behaviour of SFRC in direct compression’, **Indian Concrete Journal**, Vol. 82, NO. 6, July 2008, pp. 9-16.
21. **Nataraja, M. C.** and Santosh Kumar Budanur, “Analysis of cold formed steel sections in compression as per AS/NZS, BS and IS codes”, **INSDAG’S Journal of Steel in Construction**, Volume 9, No. 1, January 2008, pp. 25-34, India
22. **Nataraja, M. C. and Santosh Kumar Budanur**, “Analysis of cold formed steel sections in Tension as per AS/NZS, BS and IS codes”, **INSDAG’S Journal of Steel in Construction**, Volume 9, No. 1, January 2008, pp. 35-42, India

2009

23. **Nataraja, M. C.**, “Analysis and design of roof trusses using cold formed steel sections”, **INSDAG’S Journal of Steel in Construction**, Volume 10, No. 2, July 2009, pp. 17-27, India
24. Rajamane, N. P., N Lakshmanan, and **Nataraja M C**, [2009], ‘Studies on geopolymer concretes having fly ash based lightweight aggregates’, **Civil Engineering and Construction Review (CE & CR)**, Vol. 22, No. 2, Feb, pp. 70-77
25. Rajamane N. P., **M. C. Nataraja**, N. Lakshmanan, and P. S. Ambily, [2009], “Geopolymer concrete –An ecofriendly concrete”, **The Masterbuilder**, , Vol.11, No. 11, November, pp 200-206

26. Rajamane N. P., N. Lakshmanan, and **M. C. Nataraja**, [2009], “Geopolymer concrete –A new ecofriendly material of construction”, **The Masterbuilder**, , Vol.11, No. 6, December, pp 128-132

2010

27. **Nataraja, M. C.** and Manjunatha L “Block shear design strength in tension members-comparison of IS: 800-2007 and AISC-LRFD”, **INSDAG’S Journal of Steel in Construction**, Volume 11 , No 1 , January 2010, pp. 13-19 , India.
28. **Nataraja, M. C.** and Lelin Das, ‘Concrete mix proportioning as per IS:10262-2009-Comparison with IS:10262-1982 and ACI 211.1-91’, Point of view, **Indian Concrete Journal**, Vol. 84, No. 9, September 2010, pp. 64-70.
29. Rajamane, N. P., N Lakshmanan, P S Ambily and M C Nataraja, [2010], ‘Effect of molar ratio of sodium silicate on compressive strength of geopolymer concretes’, **Civil Engineering and Construction Review (CE & CR)**, Vol. 23, No. 8, August, pp. 94-101
30. Rajamane, N. P., **M C Nataraja**, N Lakshmanan, and, P S Ambily [2010], “A study on coefficient of thermal expansion of geopolymer mortars”, **New Building Materials and Construction World**, November, 16(5) 242-247

2011

31. **Nataraja, M. C.** and Lelin Das, ‘Some studies on concrete mix proportioning following IS:10262-2009’, **Indian Concrete Journal**, Vol. 85, No. 1, January 2011, pp. 11-19.
32. **Nataraja, M. C.** and Lelin Das, ‘ A simplified mix proportioning for cement based composites with crushed tile waste aggregate’, **Journal of Scientific and Industrial Research**, Vol. 70, No. 5, May 2011, pp. 385-390.
33. Rajamane N. P., **Nataraja M. C.**, Lakshmanan, and Dattatreya J. K., (2011), “An introduction to geopolymer concrete”, Article under Master Series”, **The Indian Concrete Journal**, Vol. 85, No 11, Nov, pp 11-14
34. Rajamane N. P., **Nataraja M. C.**, Lakshmanan, and Dattatreya J. K., (2011), Rapid chloride permeability test on geopolymer and Portland cement concretes, **The Indian Concrete Journal**, Vol. 85, No 10, Oct, pp 21-26
35. Rajamane N.P., J. K. Dattatreya, D. Sabitha, P.S. Ambily, N Lakshmanan, and **M C Nataraja**, [2011], “Plant production of fly ash based geopolymeric building blocks/pavers – a study”, **The Master Builder**, Vol 13, No 8, August, pp 146-149
36. N. P. Rajamane , **M. C. Nataraja**, N. Lakshmanan, and J. K. Dattatreya, [2011], "Accelerated test for corrosion of steel in geopolymer concretes”, **Indian Concrete Institute Journal, ICI**, Vol 12, No.4, pp. 7-18.

37. **Nataraja M. C** and Nethra S., “ Analysis of bolted connection in cold formed steel- A comparative study”, **Insdag’s Journal of Steel in Construction**, Vol.12, No. 2, pp. 11-24, July 2011.
38. **Nataraja M. C.**, “Comparison of IS and AISC methods for beam-column design strength”, **Insdag’s Journal of Steel in Construction**, Vol.12, No. 2, pp. 39-42, July 2011.

2012

39. Rajamane N. P., **Nataraja M. C**, N. Lakshmanan, and P. S. Ambily, (2012), “Literature survey on geopolymer concretes and a research plan in Indian context – Part 1”, **The Masterbuilder**, Vol 14, No 4, pp 148-161
40. Rajamane N. P., Nataraja M. C., and T. P. Ganesan, (2012), “A technical look at ‘Individual test result’ criterion for concrete acceptance as per IS 456:2000”, **The Indian Concrete Journal**, Vol. 86, No 4, Apr., pp 26-36
41. Rajamane N. P., **Nataraja M. C.**, and T. P. Ganesan, (2012), Rejoinder to “A technical look at ‘Individual test result’ criterion for concrete acceptance as per IS 456:2000”, **The Indian Concrete Journal**, Vol. 86, No 5, May, pp 42-43
42. Rajamane N. P., **Nataraja M. C.**, J.K. Dattatreya, N. Lakshmanan and D. Sabitha., (2012), “Sulphate resistance and eco-friendliness of geopolymer concretes”, **The Indian Concrete Journal**, Vol. 86, No 1, Jan., pp 13-22
43. Rajamane N. P., **Nataraja M. C.**, J.K. Dattatreya, N. Lakshmanan and D. Sabitha., (2012), “Strength loss in Portland cement and geopolymer concretes by Magnesium Sulphate”, **Civil Engineering and Construction Review (CE & CR)**, Vol. 25, No. 1, Jan, pp. 108-114
44. Rajamane N. P., **Nataraja M. C.**, Lakshmanan N and Jayalakshmi R., (2012), Studies on physical properties and equations for density of activator solution of geopolymer concrete, **The Indian Concrete Journal**, Vol. 86, No. 9 September, pp. 49-59.
45. **Nataraja M. C** (2012), Discussion paper on “Strength behaviour of self compacting concrete mixes using local materials”, **The Indian Concrete Journal**, Vol. 86, No. 9 September, pp. 35-37.
46. Rajamane N. P., **Nataraja M. C.**, Lakshmanan N and Dattatreya J. K. (2012), ‘Pull out tests for bond strength of geopolymer concretes’, **The Indian Concrete Journal**, Vol. 86, No. 10, October, pp. 25-38.
47. Rajamane N. P., J. K. Dattatreya., **Nataraja M. C.** and N. Lakshmanan (2012), Discussion paper on “Studies on correlation between flexural strength and compressive strength of concrete”, **The Indian Concrete Journal**, Vol. 86, No. 11, November, pp. 23-28.

48. Rajamane N. P., **Nataraja M. C.**, N. Lakshmanan, J.K. Dattatreya, and D. Sabitha (2012), ‘Sulphuric acid resistant ecofriendly concrete from geopolymerisation of blast furnace slag, **Journal of Engineering Materials and Sciences**, Council of Scientific and Industrial Research, CSIR, India, Vol. 19, October-December 2012, pp. 357-367
49. **Nataraja M. C** and Gangadhara S.,(2012) “Analysis of cold formed steel columns for axial compression and bending”, **Insdag’s Journal of Steel in Construction**, Vol.13, No. 1, pp. 17-37 January 2012.
50. **M. C. Nataraja** and M.C. Sanjay (2013). “Design of structural light weight concrete using unconventional light weight aggregate Part-1, Analytical study”, **The Bridge and Structural Engineer Journal**, Vol. 43, No. 2, June 2013, pp. 75-90.
51. **M. C. Nataraja** and M.C. Sanjay (2013). “Design of structural light weight concrete using unconventional light weight aggregate Part-1, Experimental study”, **The Bridge and Structural Engineer Journal**, Vol. 43, No. 4, Dec. 2013, pp. 35-49.
52. **M. C. Nataraja** (2013). “Corrosion Resistant Reinforcement- Brief Review”, **INS DAG’S Steel in Construction**, Volume 14, No. 1, Jan. 2013, pp. 41-50.
53. **M. C. Nataraja** (2013). “FLYASH AS A SAND REPLACEMENT MATERIAL IN CONCRETE”, Discussion paper, **The Indian Concrete Journal**, September 2013, pp. 44-46
54. **M. C. Nataraja** (2013). “Revalidating strength – Cementitious material – Water relationship for proportioning portland pozzalana cement concrete”, Discussion paper, **The Indian Concrete Journal**, October 2013, pp. 41-43.

2014

55. **Nataraja M. C.**, Manu A. S., Girish, (2013), “Utilisation of different types of Manufactured Sand in Cement Mortars, Fourth International workshop on performance, protection and strengthening of structures under extreme loading, **The Indian Concrete Journal**, Volume 88, Number 1, January 2014, pp. 19-25.
56. Nataraja M. C, Rajamane N P and R Jeyalakshmi, “Pozzolanic industrial waste based polymer concretes with low carbon footprint”, **The Indian Concrete Journal**, Volume 88, Number 7, July 2014, pp 49-68.
57. Nataraja M. C, Rajamane N P and R Jeyalakshmi, “Discussion paper - Pozzolanic industrial waste based polymer concretes with low carbon footprint”, **The Indian Concrete Journal**, Volume 88, Number 8, August 2014, pp. 45-46

58. Rajamane N P, Nataraja M. C, Lakshmanan N and Dattatreya J K, “Chloride permeability of geopolymer and Portland cement concretes using bulk diffusion test”, **Indian Concrete Institute Journal**, July-Sept 2014, Vol. 15, No. 2, pp.1-6.

2015

59. M. Vijaya Sekhar Reddy, M.C. Nataraja, M. Seshalalitha and I.V. Ramana Reddy, ‘Mechanical properties of binary blended standard concrete using ground granulated blast furnace slag and robo sand’, **The Indian Concrete Journal**, March 2015, Vol. 89, Issue 3, pp. 30-35.
60. M. C. Nataraja, ‘Discussion on-Evaluation of stress block parameters for self compacting rubberised concrete composites’ and reply by N. Ganesan, Bharati Raj. J. and A.P. Shashikala, **The Indian Concrete Journal**, Vol. 89, No. 3, March 2015, pp.59-62
61. M. C. Nataraja, ‘Discussion on-Performance of recycled aggregates in self compacting concrete’, and reply Prashant O. Modani and Vinod M. Mohitkar, **The Indian Concrete Journal**, Vol. 88, No. 11, November 2014, pp.62-64.
62. Are specifications impeding sustainability of concrete? Discussion by M. C. Nataraja and Reply by Chetan Hazaree, Shashank Vaidya, Peter Taylor, Ashok Kr. Tiwari and Rajesh Gupta, **The Indian Concrete Journal**, Vol. 89, No. 8, 2015, pp. 50-53
63. Evaluation of stress block parameters for self compacting rubberised concrete composites Discussion by M.C Nataraja and Reply by N. Ganesan, Bharati Raj. J. and A.P. Shashikala, **The Indian Concrete Journal**, Vol. 89, No. 3, 2015, pp. 59-61
64. M. Vijaya Sekhar Reddy, M. C. Nataraja and M. Seshalalitha, ‘Red mud as partial replacement for cement in M50 standard concrete- An experimental study on pozzolanicity and strength properties’, **Indian Concrete Institute Journal**, Vol. 61, No.3, Oct-Dec. 2015, pp. 14-18.

2016

65. M. C. Nataraja, S. Karthik and A. N. Madhusudan, ‘Characterization of manufactured fine aggregates based on uncompacted void content as per ASTM C 1252-03 – Urgent need for Indian scenario’, **The Indian Concrete Journal**, Vol. 90, No. 1, 2016, pp. 59-68
66. M. C. Nataraja and Guruprasad Rajendra Godigar, ‘Analysis of concrete filled steel tubes as per Eurocode-4’, **Journal of Insdag’s steel in construction**, Vol. 15, No. 1, January 2016, pp. 1-9

67. M. C. Nataraja and Guruprasad Rajendra Godigar, 'Plastic section modulus for built up and gantry sections consisting of parallel flange sections', **Journal of Insdag's steel in construction**, Vol. 15, No. 1, January 2016, pp. 25-32
68. D. Satish Kumar, L.R. Manjunath, M. C. Nataraja, Marutiram Kaza, and S. M. R. Prasad, 'Urgent need for a new aggregate standard', **The Indian Concrete Journal**, Vol. 90, No. 5, pp. 65-72
69. M. C. Nataraja, Ranjitha Manohar, Navya Anu Varghese and Romika R Kotian, 'Parametric and experimental studies on the performance of Self Compacting Concrete using alternative sands through mix design', **The Indian Concrete Journal**, Vol. 90, No. 6, pp. 51-62
70. D. Satish Kumar, L.R. Manjunath, M. C. Nataraja, Marutiram Kaza, and S. M. R. Prasad, Reply to the Discussion on paper, 'Urgent need for a new aggregate standard', **The Indian Concrete Journal**, Vol. 90, No. 10, pp. 62-64.
71. M. C. Nataraja, Discussion on paper, "Effect of supplementary cementitious materials on the strength and durability properties of recycled aggregate concrete", **The Indian Concrete Journal**, Vol. 90, No. 10, pp. 76-78

2017

72. M. C. Nataraja, Unification of cement codes, **The Indian Concrete Journal**, Vol. 91, No. 2, pp. 75-76
73. M. C. Nataraja, Discussion paper on 'Evaluation of performance of concrete with calcined clay limestone cement', **The Indian Concrete Journal**, Vol. 91, No. 4, pp. 78-81
74. M. C. Nataraja, Discussion paper on ' understanding HYSD reinforcing bars used in Indian construction industry (from seismic point of view)' **The Indian Concrete Journal**, Vol. 91, No. 7, pp. 97-100.
75. M. C. Nataraja, Discussion paper on 'Performance of micro steel polypropylene fiber reinforced concrete under impact load' **The Indian Concrete Journal**, Vol. 91, No. 10, pp. 57-60.
76. M. Vijaya Sekhar Reddy and M.C. Nataraja, 'Performance of standard and high strength concrete mixes consisting of different combination of supplementary cementing materials based on RCPT', **The Indian Concrete Journal**, Vol. 91, No. 12, pp. 19-26.

2018

77. M. C. Nataraja, Anvit Gadkar and Giridhar Jogin, 'A simple mix proportioning method to produce SCC based on compressive strength requirement by modification to IS 10262:2009, **The Indian Concrete Journal**, Vol. 92, No. 1, 2018 pp. --. (in press)

(d) List of publications in the National/International conferences (Year wise)

1993

1. Sundara Raja Iyengar, K. T., **Nataraja, M. C** and Gangadhara, B. M., 'Workability of Concrete using Probe Tester', Proceedings of the International Symposium on Innovative World of Concrete, ICI-IWC-93, August 1993, India, Vol. 1, pp. 2-67 to 2-74
2. **Nataraja, M. C** and Patil Gopal Reddy, 'Proportioning of High Strength Concrete Mixes', Proceedings of the International Symposium on Innovative world of Concrete, ICI-IWC-93, August 1993, India, Vol. 2, pp. 3-223 to 3-232.

1994

3. **Nataraja, M. C** and Rajan Babu, 'Steel Fiber Reinforced Concrete Beams Subjected to Shear Force', Proceedings of the National Seminar on Fiber Reinforced Cementitious Products, ICI, KNIT, Sultanpur, India, January 1994, pp. 185-195.
4. **Nataraja, M. C.**, Patil Gopal Reddy and Srinivasa, G., 'Design of High Strength Concrete Mixes, Association of Consulting Civil Engineers Seminar on Engineering beyond 2000, Madras, June 1994, pp. 71-74.
5. **Nataraja, M. C.** and Srinivasa, G., 'A Study on the Behaviour of Cement Paste and Cement Mortar using Superplasticiser', National seminar on Construction Admixture, School of Building Science and Technology, Ahmedbad, Dec. 1994, pp. 57-63.

1995

6. Sundara Raja Iyengar, K. T., **Nataraja, M. C** and Rehman, S. S., 'Recommendations for design of Reinforced Concrete Corbels', National Workshop on IS:456-1978, Proposal for Revision, Jan. 1995, Bangalore, India, pp. 9-1 to 9-4.

1997

7. **Nataraja, M. C** and Muralidhara Rao, B. R., 'Ultrasonic Pulse Velocity and Rebound Hammer Studies on Steel Fiber Reinforced Concrete, Proceedings of the National Seminar on Advances in Materials of Construction and Construction Materials, Department of Civil Engineering, S. V. University, Tirupati, India, Aug. 22-23, 1997, pp. 165-171.
8. **Nataraja, M. C** and Srinivasa, G., 'A Study on the Behaviour of Concrete with Superplasticiser', National Seminar on Role of Building Materials in Construction Industry, July 18-19, 1997, ICI, Allahabad, pp. I-49 to I59.

1998

9. **Nataraja, M. C.**, Dhang, N and Gupta, A. P., 'Steel Fiber Reinforced Concrete Subjected to Drop Weight Test', Proceedings of the national seminar on Special Concretes, The Indian Concrete Institute, Bangalore, India, January 1998, pp. 171-181.
10. **Nataraja, M. C.**, Dhang, N and Gupta, A. P., 'A Study on Steel Fiber Reinforced Concrete using Superplasticiser', The Proceedings of the National Seminar on Construction Admixture: Present Status and Scope for Improvement, The Institution of Engineers (India), Calcutta, July 1998, pp. 6-12.
11. **Nataraja, M. C.**, Dhang, N and Gupta, A. P., 'A Critical Study on Concrete Mix Design as per IS:10262-1982', The National seminar on Cement Content and Parameters for Durability of Concrete, Maharastra India Chapter of ACI, Bombay, Sept. 1998.
12. **Nataraja, M. C.**, Dhang, N and Gupta, A. P., 'Cube Splitting Test on Steel Fiber Reinforced Concrete for Toughness Characterisation, Proceedings of the International Seminar on A Quest for Materials of Construction in the 21st Century, ASCE (India Section), Calcutta, September 1998, pp. III-6 to II-12.
13. **Nataraja, M. C.**, Julious David and Lakshmi Srinivasan, V., 'Experimental Studies on the Applicability of Truss Analogy on RCC Corbels Containing Vertical Stirrups as Secondary Reinforcement', Proceedings on the International Symposium on Innovative World of Concrete, IWC-98, ICI, Oxford and IBH Publishing Co. Ltd., Calcutta, pp. 7.21-7.29.
14. **Nataraja, M. C.**, Dhang, N and Gupta, A. P., 'Steel Fiber Reinforced Concrete Composite Under Splitting Test', The CD ROM Proceedings, The International Conference on Theoretical, Applied, Computational and Experimental Mechanics, ITACEM-98, The Indian Institute of Technology, Kharagpur, India, December 1998, Paper no. 99
15. **Nataraja, M. C.**, Dhang, N and Gupta, A. P., 'Drop Weight Test-A Simple test for Toughness of Steel Fiber Reinforced Concrete Subjected to Impact', The Proceedings of Sixth NCB International Conference on Cement and Building Materials, National Council of Cement and Building Materials, New Delhi, India, November 1998, Vol. 4, pp. XIII-151 to XIII-160.
16. **Nataraja, M. C.**, Dhang, N and Gupta, A. P., 'Steel Fiber Reinforced Concrete Composite in Compression', The proceedings of the International Symposium on Innovative World of Concrete, IWC-98, Calcutta, Oxford and IBH Publishing Co. Ltd., Nov. 1998, Vol. 1, pp. 4.3-4.8

1999

17. **Nataraja, M. C.**, Dhang, N and Gupta, A. P., 'Computerised Concrete Mixture Proportioning Based on BIS Method-A Critical Review, Fifth International Conference on Concrete Technology for Developing Countries, NCCBM, New Delhi, 17-19 Nov. 99.
18. **Nataraja, M. C.**, Dhang, N and Gupta, A. P., 'Tensile Strength of Steel Fiber Reinforced Concrete Subjected to Flexure and Splitting Test, 'Fifth International Conference on Concrete Technology for Developing Countries, NCCBM, New Delhi, 17-19 Nov. 99.
19. **Nataraja, M. C.** and Julious David, 'Behaviour of Reinforced Cement Corbels-An Experimental Study', EASEC-7, International Conference on Structural Engineering and Construction, Aug. 22-29, 1999, Kochi, Japan.

20. **Nataraja, M. C** and Ashok Reddy, K., 'Reproportioning of Concrete Mixes with Quarry Wastes as Coarse Aggregate - A Composite Mechanics Approach, International Conference, Civil and Environmental Engineering Conference, (C&EEC), New Frontiers and Challenges, AIT, Thailand, Nov. 1999.
21. **Nataraja, M. C** and Rahimulla, 'A Study on Reproportioning Concrete Mixes', International Conference, Civil and Environmental Engineering Conference, (C&EEC), New Frontiers and Challenges, AIT, Thailand, Nov. 1999.

2000

22. **Nataraja, M. C.**, 'Testing on Hardened Concrete', National workshop on testing and evaluation of concrete and concrete structures-Recent developments', 19-29 May 2000, Institute for research and development and training on construction trades and management-Instruct, Bangalore, pp. C1 to C18.
23. **Nataraja, M.C.**, 'Complete stress-strain curves for steel fiber reinforced concrete under compression, ICI-Asian Conference on Ecstasy in Concrete, 20-22 Nov. 2000, Indian Concrete Institute, Bangalore, pp. 349-358.

2001

24. **Nataraja, M. C** and Harish Kumar., 'RCC Corbels- Comparision of Different Design Methods', Accepted for publication and presentation in Structural Engineering Convention, An International Meet to be held at UOR, Roorkee, India, Oct. 2001.

2002

25. **Nataraja, M.C**, K.S. Manjunath and Shanu P. 'Behaviour of Concrete Using Waste Rubber Tyre Pieces as a Partial Replacement to Aggregate' National Symposium on Futuristics of Concrete Technology and Optimal Design of RCC Structures Organised by Department of Civil Engineering, Karunya Institute of Technology, Coimbatore on 20th -21st December 2002.

2003

26. **Nataraja, M.C** and Anil Kumar T.V., "Computerised Fly ash Concrete Mix Design as per IS: 10262-1982 using Provisions of IS: 456-2000" INCONTEST-2003. CD-ROM Proceedings of the International Seminar on Industrial Structures, Association of Consulting Civil Engineers (India), Coimbatore, India. September 2003, pp 39-40.
27. **Nataraja, M.C** and Girish Raje Urs, H.L. and Ramalinga Reddy, B.M., "A Study on Workability and Compressive Strength of Plain and Fly ash Concrete" INCONTEST-2003. CD-ROM Proceedings of the International Seminar on Industrial Structures, Association of Consulting Civil Engineers (India), Coimbatore, India. September 2003, pp 37-38.
28. **Nataraja, M.C** and Ramalinga Reddy, B.M., "Metakaoline – A New Generation Admixture" CD-ROM Proceedings of the International Conference on Innovative World of Concrete, Indian Concrete Institute, Pune, India. October 2003.

2004

29. **Nataraja, M.C** and Ramalinga Reddy, B.M., “Some studies on mortar containing metakaoline”, National Conference on Advances in Civil Engineering Materials and Construction Technology AMCT-04, at Siddhartha Institute of Technology, Tumkur.
30. **Nataraja, M.C** and Ramalinga Reddy, B.M., “Some Studies on Cement Concrete using Metacolone and Superplasticizer”, International Conference on Advances in Concrete and Construction, Dec. 16th to 18th 2004 at Vasavi College of Engineering, Hyderabad.
31. Jayaram M. A., **Nataraja M.C.** and Ravikumar C.N., “A Fuzzy-Neuro Approach to Design of Lightweight Concrete Mix Design”, International Conference on Cognitive Systems, New Delhi, December 2 – 3, 2004
32. Jayaram M. A., **Nataraja M.C.** and Ravikumar C.N., “Fuzzy logic based design of Lightweight concrete, Conference on Concrete and Concrete Structures”, Hyderabad, December 14-16, 2004.
33. **Nataraja, M.C** and Bavanishankar, S., “Analysis and Design of Laterally Supported and Unsupported Beams as per IS: 800 draft code”, National Conference on Futuristic Steel Structures and Application of GIS, 16th to 17th Dec. 2004, at Coimbatore.
34. M.A.Jayaram, **M.C.Nataraja**, C.N.Ravikumar., A Hybrid system for Design of Light Weight Concrete Mixes: International Conference on Advances in Concrete Composites, Structural Engineering Research Center, CSIR Campus, Jan 6-8, 2005, Chennai.
35. M.A.Jayaram, **M.C.Nataraja**, C.N.Ravikumar., A Data Driven Fuzzy Inference System Model for Characterization of High Strength Concrete, International Conference on Recent Advances in Concrete and Concrete Technology, SRM Institute of Science and Technology, 07-09 December 2005, Chennai.
36. M.A.Jayaram, **M.C.Nataraja**, C.N.Ravikumar ., A Novel Method for Standard Concrete Mix proportioning using integrated AI Techniques, Asian Conference on Ecstasy in Concrete, Indian Concrete Institute, September 22-24, 2005, Mumbai.
37. M.A.Jayaram, **M.C.Nataraja**, C.N.Ravikumar ., An Integrated BPN and Layered Fuzzy Model for Concrete Mix design, Seventh International Conference on Cognitive Systems, December 14-16, 2005, NIIT, New Delhi.
38. **Nataraja, M.C** and Ramalinga Reddy, B.M, Bavanishankar, S and Barathraj Etigi., “Mix design and some properties of concrete containing Ground granulated Blast Furnace Slag”, pp. 491-500, II CANMET-ACI International conference on Concrete Technology for Sustainable Development, Hyderabad, March 2005.
39. **Nataraja, M. C, Lelin Das and N. Richard Sandeep** “Comparison of Indian Standard Draft Method and ACI Method of Concrete Mix Proportioning”, Second National seminar on Advances in Materials and Structure, IIT, Chennai, India
40. **Nataraja, M. C, Lelin Das, N. Richard Sandeep and B. M. Ramalinga Reddy**, “Optimum Dosage of Superplasticiser for Plain, Fly Ash and Silica Fume Cement Concrete”, International conference at Kanchi, Dec-2005, Madras, India.

2006

41. **Nataraja, M. C.**, Jayaram, M. A, and Ravikumar, C. N, Indexing Fly Ashes through Radial Basis Function Networks, Tata McGraw_Hill Publishing Company limited, Proceedings of **International Conference** on Neural Network and Genetic Algorithm in Material Science and Engineering, Bengal Engineering College, Howrah, India, Januray 2006, pp.272-283.
42. **Nataraja, M. C**, Nalanda, Y, Prasad, K. V, Jitendra, N.G, Sunil Kumar, S, and Yogananda, B. K., “Mixture Proportioning and Strength properties of Rice Husk Concrete”, **National conference** on Applications of Recycled and Marginal Materials in Construction, May 2006, ARMICON-2006, Department of Civil Engineering, MSRIT, Bangalore, CD Proceedings and Abstract proceedings.
43. **Nataraja, M. C** and Nalanda, Y, “Flow characteristics of Controlled low strength materials (CLSM)”, **National conference** on Applications of Recycled and Marginal Materials in Construction, May 2006, ARMICON-2006, Department of Civil Engineering, MSRIT, Bangalore, CD Proceedings and Abstract proceedings.

2007

44. Bavanishankar, S and **Nataraja, M. C.**, “Experimental Studies on Cement Mortar Containing Ground Granulated Blast Furnace Slag, **Bulletin of ACCE**, July-Sept. 2007, India, pp. 27, 28 and 52
45. Jayaram, M. A., **Nataraja, M. C.** and Ravikumar. C. N, “A Three-Stage Neural Model for attribute based Classification and Indexing of Fly Ashes”, proceedings of Twentieth **International Joint Conference** on Artificial Intelligence, organized by American Association of Artificial Intelligence & International Institute of Information Technology, 09-12 January 2007, Hyderabad.
46. **Nataraja, M. C.** and Neeta, R. “Analysis of Castellated Beam with Incremental Plates”, 6th **International Conference** on Steel and Aluminium Structures, ICSAS'07, 24-27 July 2007, Oxford Brookes University, **Oxford, England.**
47. **Nataraja, M. C** and Somesh. S, “Effect of Mineral Additives and Gradation of Sand on the Flow Characteristics of Self-compacting Mortar”, **International Seminar**, Manipal Institute of Technology, Manipal, India.
48. **Nataraja, M. C** and Vadirajrao. S. “Fresh and Hardened Properties of Controlled Low Strength Material (CLSM) using Fly Ash and Sludge”, **International Seminar**, Manipal Institute of Technology, Manipal, India.
49. Jayaram, M. A., **Nataraja, M. C.** and Ravikumar, “Soft computing in Concrete Technology: A Pragmatic appraisal”, 3rd Indian **International Conference** on Artificial Intelligence, December 15-17, 2007, Pune.

2008

50. **Nataraja, M. C, Rahman, S.S, Das, L, Sandeep, R and Nagaraj, T. S.** “Proportioning of concrete mixtures with crushed concrete paver blocks as recycled aggregates”, International Conference, Role for Concrete in Global Development, Edited by R.K. Dhir, Dundee University, Scotland, UK, 8-9 July 2008, pp.511-522.

51. **Nataraja, M. C and Somesh, S**, “Flow characteristics of self compacting mortar with and without fibres”, 8th International Conference on high strength and high performance concrete, Japan Concrete Institute, Tokyo, Japan, Oct. 27-29, 2008.

2010

52. **Nataraja, M. C.** and Lelin Das, ‘Utilisation of recycled aggregates from waste paver blocks for use in concrete through reportioning’, **Advances in concrete-An Asian Perspective, Proceedings of the 3rd Asian Conference on Ecstasy in concrete-ACECON-2010**, Edited by Ravindra Gettu et al., IIT Chennai, ICI India, December 2010, pp. 495-504
53. Rajamane N P, **Nataraja M. C**, Lakshmanan N, Dattatreya J K and Sabitha D, “Sulphuric acid resistance of geopolymer concretes”, **Advances in concrete-An Asian Perspective, Proceedings of the 3rd Asian Conference on Ecstasy in concrete-ACECON-2010**, Edited by Ravindra Gettu et al., IIT Chennai, ICI India, December 2010, pp 789-794, 2010

2012

54. Rajamane N. P., **Nataraja M. C.**, Dattatreya J. K., and Lakshmanan N, (2012), “Concrete Without Portland Cement - Recent Developments”, Proceed of National Seminar on Recent Developments in Concrete Science and Technology, SIT, Tumkur, pp. 198-225
55. **Nataraja, M. C.**, Lelin Das, Sudeep, V M and M. C. Sanjay., (2012) ‘Parametric study on light weight concrete mix design using aggregates from un exploited sources as per ACI 211.2 in Excel platform, Proceedings of **International conference on Waste Management**, Organised by International society of waste management, air and water, held at Mysore, 30 July to 1 August 2012, pp. 843-858.
56. Rajamane N. P., **M. C. Nataraja**, J. K. Dattatreya , Jeyalakshmi R., (2012), "Developments in Alternates to Energy Intensive High Carbon Footprinted Portland Cements", 3rd International Conference on Solid Waste Management and Exhibition (IconSWM2012), 30 July-1 Aug, Mysore, pp 677-690
57. Rajamane N. P., **M. C. Nataraja**, N. Lakshmanan, J. K. Dattatreya , and Jeyalakshmi R., (2012), “Eco-friendly concrete from blast furnace slag waste with high sulphuric acid resistance”, 3rd International Conference on Solid Waste Management and Exhibition (IconSWM2012), 30 July-1 Aug, Mysore, pp 735-739.
58. Rajamane N. P., Jeyalakshmi R., and **M. C. Nataraja**, (2012), “Harnessing Wastes to Wealth in Constructions - Perspectives”, 3rd International Conference on Solid Waste Management and Exhibition (IconSWM2012), 30 July-1 Aug, Mysore, pp 833-842

2013

59. **Nataraja M. C.**, Manu A. S., Girish, (2013), “Utilisation of Granulated Blast Furnace slag (GBFs) as fine aggregate in cement mortar”, Proceedings of International Conference on Innovative Materials and Constrictions, AEC, Melmaruvathur, pp 163-170.

60. **Nataraja M. C.**, Manu A. S., Girish, (2013), "Utilisation of different types of Manufactured Sand in Cement Mortars, Fourth International workshop on performance, protection and strengthening of structures under extreme loading (Protect-2013), NIE, Mysore, Edited and Published by India concrete Journal, pp. 53
61. **Nataraja M. C.** and Dileep Kumar P. G. (2013), "Limit state of durability as applied to structural steel – Brief review", National seminar on steel structural-STEELCON 2013, Organised by ACCE, Mysore, 26-27, 2013.
62. **Nataraja M. C.**, Dileep Kumar P. G., Manu A. S., Sanjay M. C. (2013), " Use of Granulated Blast Furnace Slag as fine aggregate in cement mortar", International Journal of structural and Civil Engineering Research, Vol. 2, No. 2, pp. 34-39.
63. **M. C. Nataraja**, M. C. Sanjay, Lelin Das, Y. N. Govil Chiranthana and B. M. Pruthvik (2013). "Experimental investigations on replacement of GBFS as sand and GGBFS as cement in mortar", Proceedings of the International Conference on Innovations in Concrete, 23-26 October 2013, pp. 330-338
64. Rajamane N. P., **M. C. Nataraja** and Jeyalakshmi R., (2013), "Ecological and economical aspects of fly ash GGBS based geopolymer concrete", Asia-Pacific conclave on fly as based geopolymer binders, concrete and other building material, Proceedings, Coal Ash Institute of India, 16-18 Dec. 2013, Calcutta, pp. 13-36.

2014

65. **Nataraja M. C.**, Manu A. S., Girish, (2013), "Utilisation of different types of Manufactured Sand in Cement Mortars, Fourth International workshop on performance, protection and strengthening of structures under extreme loading, The Indian Concrete Journal, Volume 88, Number 1, January 2014, pp. 19-25.
66. M. C Nataraja, Lelin Das, M. C. Sanjay and H. K Preetham (2014) "Capillary absorption of water in cement mortar consisting of artificial sand" 4th International Conference on Solid Waste Management and exhibition, IconSWM 2014, 28th to 30th Jan – 2014, Hyderabad, pp 581-587.
67. M. C. Nataraja, Lelin Das and M. C. Sanjay (2014) "Studies on permeation properties of concrete incorporating GBFS as sand", 4th International Conference on Solid Waste Management and exhibition, IconSWM 2014, 28th to 30th Jan – 2014, Hyderabad, pp 588-595.
68. M. C. Nataraja and Lelin Das (2014) "A study on the strength properties of paver blocks made from unconventional materials", 2nd International conference on Innovations in Civil Engineering, 8th to 9th May, 2014, Ernakulam, Paper No-160S
69. Nataraja M. C. and Arjun K, "Analysis and Design of column base plate as per IS: 800-2007 –a critical review", Proceedings of the 2nd International Conference on Current Trends in Engineering and Management, 17-19th July 2014, VVCE, Mysore, India. pp. 121-129.
70. Nataraja M. C., Chandan G N and Rajeeth T J, "Concrete Mix Design Using Copper Slag As Fine Aggregate", Proceedings of the 2nd International Conference on Current Trends in Engineering and Management, 17-17th July 2014, VVCE, Mysore, India. pp. 142-149.

71. Nataraja M. C., Chandan G N and Rajeeth T J, "Concrete Mix Design Using Copper Slag As Fine Aggregate", Proceedings of the 2nd International Conference on Current Trends in Engineering and Management, 17-17th July 2014, VVCE, Mysore, India.
72. Nataraja M. C. and Arjun K, "A comparative study on the analysis and design of base plate by different approaches", Conference on Recent advances in Engineering Sciences, 4-5th September 2014, MSRIT, Bangalore, India.
73. Nataraja M. C., Chandan G N and Rajeeth T J "Flow properties of cement mortar using copper slag as fine aggregate, Conference on Recent advances in Engineering Sciences, 4-5th September 2014, MSRIT, Bangalore, India.
74. Nataraja M. C., and Vineeth K L, "Studies on Engineering Properties of Pervious Concrete incorporating Green Materials", Conference on Recent advances in Engineering Sciences, 4-5th September 2014, MSRIT, Bangalore, India.
75. Rajamane N.P., M.C. Nataraja and R. Jeyalakshmi, (2014), "Geopolymer concretes : eco friendly alternate to Portland cement based concretes", Invited paper no 17 at International Seminar on Frontiers of Ceramic and Material Technologies for Cement Industries (CemSem2014), 17- 18 Nov, Gulbarga, Organised by Indian Ceramic Society and PDA College of Engineering, p 69

2015

76. Rajamane N. P., Nataraja M. C. And R. Jeyalakshmi, (2015), "Geopolymeric activation of blast furnace slag and fly ash for structural concretes', ICI-JSW Conclave on Durable Construction Using GGBS, Chennai, (Paper No 1 of Group 5), 15th May, p12 (CD form) (2015-424 ICI-JSW Conclave May 15 NPR RJ TB GPC 12p.
77. Rajamane N. P. and Nataraja M. C., (2015), "GGBS Based Self Curing Geopolymer Concrete And Strength Acceptability Criteria OF IS:456-2000", ICI-JSW Conclave on Durable Construction Using GGBS, Chennai, (Paper No 4 of Group 5), 15th May, p9 (CD form) (2015-427 ICI-JSW Conclave May 15 NPR MCN GPC 9p.

2016

78. M. C. Nataraja, 'Characterization of manufactured sand based on international codes of practices', Invited technical talk, Proceedings of the International Conference on Advanced Materials and Technology (ICMAT-16), Sri Jayachamarajendra College of Engineering, India, 26-28 May 2016
79. M. Vijaya Sekhar Reddy, M. C. Nataraja, N. Krishna Murthy and K. C. S. Reddy, 'Study on the Effect of Supplementary Cementing Materials on the Durability Properties of M70 Grade High Performance Concrete with Superplasticizer, Invited technical talk, Proceedings of the International Conference on Advanced Materials and Technology (ICMAT-16), Sri Jayachamarajendra College of Engineering, India, 26-28 May 2016

80. M. C. Nataraja, S. Puneeth, H. A. Nithin, V. Rakshith, M. S. Akshay and S. P. Akash, 'Ensuring construction equipment workers safety based on noise dosimeter study', Proceedings of the International Conference on Advanced Materials and Technology (ICMAT-16), Sri Jyachamarajendra College of Engineering, India, 26-28 May 2016
81. M. C. Nataraja and H. R. Priyanka, 'Characterization of Blended Manufactured Sand (M-sand) Based on New Zealand Flow Cone Method', Proceedings of the International Conference on Advanced Materials and Technology (ICMAT-16), Sri Jyachamarajendra College of Engineering, India, 26-28 May 2016
82. M. C. Nataraja, A. R. Amrutha, G. Chaitra, H. G. Leela, A. M. Rakshith, S. D. Sneha, 'Effective Utilization of Slag Sand and Ground Granulated Blast furnace Slag for the Production of Green and Sustainable Concrete', Proceedings of the International Conference on Advanced Materials and Technology (ICMAT-16), Sri Jyachamarajendra College of Engineering, India, 26-28 May 2016
83. M. C. Nataraja and N. R. Vadiraj Rao, 'Controlled Low Strength Material with Fly Ash and Cinder Aggregates - An Effective Replacement for the Compacted Backfill', Proceedings of the International Conference on Advanced Materials and Technology (ICMAT-16), Sri Jyachamarajendra College of Engineering, India, 26-28 May 2016.
84. M. C. Nataraja Keynote paper on 'Characterization of Blended Manufactured Sand for use in Mortar and Concrete', Presented in the the Second International Conference on Recent Advances in Engineering Sciences, ICRAES-2016, M.S. Ramaiah Institute of Technology, Bangalore, September 8-9, 2016.
85. M. C. Nataraja and T. J. Rajeeth, 'Characterization of Blended Manufactured Sand for use in Mortar and Concrete', Presented in the International Conference on Development of Smart Cities: Interface, Governance and Technology, September 9-10, 2016, organized by Dr. Ambedkar Institute of Technology, Bengaluru - 560 056