

LIST OF PUBLICATIONS

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National Journals

1. Thenmozhi.R, Kiruthika.R, and Sundararajan.R, **“Flexural behavior of thin – Walled steel stiffened concrete composite beams”** in the National Journal Steel in construction, July 2005.
2. Thenmozhi.R, and Sundararajan.R, **“Thin – Walled steel stiffened concrete composite beams – An innovative construction Technique”** published in the Journal of Future Engineering and Technology for the period of Nov’08 to Jan’09, Vo.4, Issue.2, pp50-57.
3. Sunilaa George , R.Thenmozhi, P.N.Magudeswaran **“Experimental study on shear behavior of activated fly ash concrete beams”** Journal of Structural Engineering. Vol.37, No.6, , pp 379 -384, Feb-march 2011.
4. Senthil Vadivel T and Thenmozhi R, **“Characteristic Study on Rubbercrete - An Innovative Construction Material Produced Through Waste Tyre Rubber”**, Journal on Civil Engineering, Vol.1, No.:1, Dec 2010 – Feb 2011 pp:34-39.
5. Senthil Vadivel T and Thenmozhi R, **“Waste Tyre Rubber Based Concrete – A New Generation Practice for Solid Waste Management & Preventing Depletion of Natural Resources”** Journal on Civil Engineering, Vol.1, No.: 2, March – May 2011, pp: 47-54.
6. Chithra R, Thenmozhi R and Ravathi M.C, **“An Analytical study on Load-Deflection Response of Prefabricated Cage Reinforced Composite Beams”**i-manager’s Journal on Civil Engineering, Vol:1, No:3, 2011, pp1-6.
7. R.Kandasamy , K. Dinesh Babu and R.Thenmozhi, **“Flexural- Torsional Buckling of Cold-Formed Steel Channel Sections”**, INSDAG’s Steel in construction, Vol. 12, No.1, Jan 2011, Pp 45-54.
8. R.Kandasamy and R.Thenmozhi, **“Investigation of Buckling performance of CFS Long column channel sections with lips under Axial Compression”**, INSDAG’S Steel in construction, Vol. 12, No.2, July 2011, Pp 29-38.
9. Senthil Vadivel T and Thenmozhi R, **“Experimental Study on Waste Tyre Rubber Reinforced Concrete”**, Journal of Structural Engineering, SERC, 2012.
10. M.S.Deepak, R.Kandasamy and R.Thenmozhi, **“Evalution of flexural strength of cold – formed steel C Channel sections”**, INSDAG’S Steel in construction, Vol.13, No.1,Jan 2012, Pp 47-61
11. N.Balasubramani and R.Thenmozhi, **“Experimental study on the behavior of axially loaded double skinned hollow steel tubular columns in-filled with Self compacting concrete”**, Journal of Pollution Research, 32(4): 933-942 December (2013) [Annexure –II]
12. R.Kandasamy, R.Thenmozhi, and L.S.Jayagopal **“Experimental studies on Flexural- Torsional Buckling of Cold-Formed Steel Lipped Channel Beams”**, Journal of Structural Engineering, Structural Engineering Research Centre, August 2015 [Annexure –II] sl. No.11734

International Journal

1. Sunilaa George and R. Thenmozhi **“Replacement of river sand using manufactured sand and quarry dust in cement concrete”** in International Journal on Nature Environment & Pollution Technology, Vol.7, No.3, September 2008, pp475 – 478.
2. S. Deepa Shri and R. Thenmozhi, **“Experimental studies on Flexural strength of Ferrocement Slabs using Self Compacting MicroConcrete”** International Journal of Civil Engineering, Vol.1, No.2, July – December 2009, pp57 – 68.

3. Chithra R and Thenmozhi R., **“Stress Strain Behaviour of Concrete confined by Prefabricated Cage System”**, International Journal of Civil Engineering”, Volume 2 (1) (2010), pp: 33 – 44.
4. Chithra R and Thenmozhi R., **“Studies on prefabricated cage reinforced Steel–concrete composite beams”**, Asian Journal of Civil Engineering (Building and Housing) Vol. 12, No. 1 (2011), PAGES 27-37.
5. Chithra R, Thenmozhi R and Ravathi M.C., **“Flexural ductility of prefabricated cage Reinforced steel - concrete composite beams”**, Asian Journal of Civil Engineering (Building and Housing) Vol. 12, No. 6 (2011), Pages 719-729.
6. Sunilaa George and Thenmozhi, R, **“Flexural behaviour of activated fly ash concrete”**, International Journal of Engineering Science and Technology, ISSN : 0975-5462, Vol. 3 No. 10, October 2011, pp. 7633-7642.
7. Senthil Vadivel T and R., **“Experimental Behaviour of Concrete with Waste Tyre Rubber as Coarse Aggregate”**, International Journal of Nature Environment & Pollution Technology, Vol.10, No.2, Jun 2011 pp: 173 – 178
8. Chithra R and Thenmozhi R, **“Strength and Ductility of Concrete Cylinders Reinforced with Prefabricated Steel Cage”**, International Journal of Engineering Science and Technology, Vol.3, No.9, 2011, pp:6131-6139.
9. Sunilaa George, R. Thenmozhi and P.N.Magudeswaran **“Corrosion Potential of Activated Fly Ash Concrete”**, Asian Journal of Chemistry, Vol.24, No.1, 2012, pp 55-41.
10. Sunilaa George, Thenmozhi, R. and Magudeswaran, P. N, **“Study on corrosion of activated fly ash concrete beams”** Asian Journal of Chemistry Vol. 24, No.11, (2012), pp5142-5144.
11. Senthil Vadivel T and Thenmozhi R., **“Experimental Study on Waste Tyre Rubber Replaced Concrete: An Eco-friendly Construction Material”**, Journal of Applied Sciences Research, 8(6):, 2012, pp: 2966-2973.
12. Chithra R, Thenmozhi R and Ravathi M.C, **“Ductility of Prefabricated Cage Reinforced Concrete Beams: Analytical Study”**, International Journal of Civil and Structural Engineering, Vol.2, No.4, 2012, pp:1026-1034.
13. DeepaShri S, Thenmozhi R and Anitha M, **“Experimental Validation of a Theoretical Model for Flexural Capacity of Hybrid Ferrocement Slab”**, European Journal of Scientific Research, Vol.73, No.4 (2012), pp. 512-526.
14. Anitha M Thenmozhi R DeepaShri S, **“Behaviour of Hybrid Ferrocement slabs subjected to Impact”**, Journal of Emerging Trends in Engineering and Technology, Vol.4, No:2, 2012, pp:465-474.
15. DeepaShri S, Thenmozhi R, **“Flexural Behavior Of Hybrid Ferrocement Slabs with microconcrete and fibers”**, Journal of Emerging Trends in Engineering and Development, Vol.4, No:2, 2012, pp:165-177
16. DeepaShri S, Thenmozhi R, **“An Experimental Investigation On The Flexural Behavior Of SCC Ferrocement Slabs Incorporating Fibers”**, Journal of Engineering Science and Technology, 2012, Vol: 4 Issue: 5, pp:2146-2158
17. M. S. Deepak, R. Kandasamy, R. Thenmozhi, **“Investigation on Lateral- Torsional Buckling Performance Of Cold-Formed Steel ‘C’ Channel Sections”**, Journal of Emerging Trends in Engineering and Technology, Vol.4, No:2, May 2012, pp:538-551.
18. S.Rohini, R Thenmozhi and S Deepa Shri **“Finite Element Modeling of Ferrocement Slabs in Flexure Using ANSYS”**, Journal of Emerging Trends in Engineering and Technology, Vol.4, No:2, 2012, pp:500-508.
19. R. Thangaraj and R. Thenmozhi, **“ Mechanical Properties of High Volume Fly Ash as a Binder for Concrete Structures”**, International Journal of Advances in Science and Technology, Vol.4, No:5, 2012, pp:94-100
20. R. Thangaraj and R. Thenmozhi, **“Performance of High Volume Fly Ash in Concrete Structures”**, IOSR Journal of Mechanical and Civil Engineering, Volume 3, Issue 1 (Sep-Oct. 2012), PP 28-33

21. S.Deepa shri. R.Thenmozhi, M.Anitha – **“Mechanical properties of SCC with polypropylene Fibers”** the International Journal of advanced Scientific research and technology, Volume 3, No.2, pp 375 to 388, June 2012.
22. S.Deepa shri. R.Thenmozhi **“Experimental studies on ferrocement slabs using Self compacting mortar”** – I- manager’s journal of Civil Engineering, vol.2.No.2. March – May 2012 pp 23 to 27.
23. Senthil Vadivel T and Thenmozhi R., **“Determination of deflection profile using Modified Branson’s Equation for Rubber Reinforced Concrete beams ”**, International Journal of Advances in Science and Technology, Vol.4, No:1, 2012, ISSN:2229 5216, pp:58-66.
24. Chithra R, Thenmozhi R and Hareesh M, **“Bending Behaviour, Deformability and Strength Analysis of Prefabricated Cage Reinforced Composite Beams”**, Elsevier Journal of Construction and Building Materials, Vol:38, No:1, (Sep)2013, pp:482-490.
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26. S. Deepa Shri. R. Thenmozhi, **“Prediction of Impact Energy Absorption using Modified Regression Theory”**, Life Science Journal., Vol 10, No. 2., pp 743-749, 2013.
27. Thangaraj R. and Dr. Thenmozhi R. (2013), **“Sustainable concrete using High Volume Fly Ash from Thermal power plants,”** Ecology ,Environment and Conservation, ISSN 0971 765X, year 2013, Issue No.19(2), pp 191-196. **(Annexure II)**
28. **K.Rekha, R.Thenmozhi**, Evaluation of Mechanical Properties of BAGcrete, Advanced Materials Research, Volume 984-985(2014) Page No. 693-697. April 2014 **(Annexure II)**
29. **J.Umashankar, R.Thenmozhi**, optimization of Tunnel lining, Advanced Materials Research, Volumes 984-985(2014) Page No. 711-716, April 2014**(Annexure II)**
30. **N. Balasubramani, R.Thenmozhi**, Behaviour and strength of innovative steel concrete Columns with SCC, Advanced Materials Research Vols. 984-985 (2014) pp 684-692, April 2014**(Annexure II)**
31. **S. Subasree, R.Thenmozhi**, Flexural performance of Hybrid Rubberized composite slabs using Finite Element method, Advanced Materials Research Vols. 984-985 (2014) **(Annexure II)**
32. **R. Kandasamy, R.Thenmozhi**, Experimental Investigation of buckling length of CFS lipped channel beams under restrained boundary conditions”, Journal of Advanced Materials Research, Vols. 984-985 (2014) pp 140 -153. [Annexure – II, Sl. No.416] **(Annexure II)**
33. **R. Kandasamy, R.Thenmozhi**, and Jayagopal, L.S., “Flexural Torsional buckling tests of Cold formed lipped channel beams under restrained boundary conditions”, International Journal of Engineering and Technology (IJET), Vol.6, No.2, Ap – May 2014, pp581-592. **[Annexure – II,Sl.No.8187] IF = 0.847**
34. **R. Kandasamy, R.Thenmozhi**, and Jayagopal, L.S., “Flexural Torsional buckling tests of Cold formed lipped channel beams under restrained boundary conditions”, KSCE Journal of Civil Engineering, published online. pISSN 1226 - 7988 **[Annexure – I – KSCE – D – 14 - 00145)**
35. S. Janani and R. Thenmozhi, “ Structural behavior of cold formed steel by using ANSYS” in International Journal of Structural and Civil Engineering, Volume 2, No.11, ISSN 3221 5687, (P) 3221 568X, November 2014
36. S. Muthuramalingam and R. Thenmozhi, “ The influence of alkaline activators and curing temperature on the properties of polymer concrete, International journal of applied engineering research, ISSN: 0973-4562, Vol.10, No.19 (2015)pp13912-13919 <http://www.ripublication.com> **(Annexure II)**
37. S. Muthuramalingam and R. Thenmozhi, “ Strength characteristics of fly ash based Geopolymer Concrete Electric Poles at early age of 3 days. International journal of applied engineering research, ISSN: 0973-4562, Vol.10, No.19 (2015), pp13903-13911. <http://www.ripublication.com> **(Annexure II)**

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40. R. Kandasamy, R. Thenmozhi, and Jayagopal, L.S., "Flexural-Torsional buckling tests of cold-formed lipped Channel beams under restrained boundary conditions" - International Journal of Steel Structures 16(3): 765-776 (2016) DOI 10.1007/s13296-014-0079-4 ISSN 1598-2351 (Print) ISSN 2093- 6311 (Online)
41. B. Senthil Kumar, V. P. Arunachalam R. Thenmozhi and T. Senthil Vadivel, "Performance Analysis of Various Geopolymer Concrete Mixes under Elevated Temperature. Middle-East Journal of Scientific Research 24 (2): pp287-291, ISSN 1990-92332016.
42. J. Umashankar, R. Thenmozhi and T. Senthil Vadivel, "Settlement Analysis and Optimization of Tunnels under Existing Flyovers. Middle-East Journal of Scientific Research 24 (4): pp1052-1056, ISSN 1990-9233
43. S. Janani and R. Thenmozhi, Behaviour of cold – formed steel stiffened web sections, International Journal of Printing, Packaging & Allied Sciences, Vol.4, No.4, December 2016. ISSN 2320-4387
44. M. Puthiya Ramki and R. Thenmozhi, Experimental study on the behaviour of sintered flyash aggregate concrete with steel fiber , International Journal of Technical Innovation in Modern Engineering & Science, Vol.4, Issue.4, April 2018
45. B. Saravanakumar and R. Thenmozhi "Comparison of behaviour between rebar and stud shear connectors under monotonic loading" Journal of Structural Engineering(2018) - *accepted for publication*
46. R. Prakash, R. Thenmozhi and S.N.Raman , Mechanical characterisation and flexural performance of eco-friendly concrete produced with fly ash as cement replacement and coconut shell coarse aggregate, *Int. J. Environment and Sustainable Development*, (2018) - *accepted for publication*
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