

Dr.P.Revathi

Associate Professor

Department of Civil Engineering

Pondicherry Engineering College

Pondicherry – 605014.

Mob.No : 9944427159

Email ID: revathi@pec.edu

Journal Publications

1. Revathi, P, Ramesh, R. A and Lavanya, K, "Influence of Treatment Methods on the Strength and Performance Characteristics of Recycled Aggregate Concrete" ASCE Journal of Materials in Civil Engineering. (Published Online August 2014). DOI: 10.1061/(ASCE)MT.1943-5533.0001128. Vol. 27 (5). May 2015 ISSN 08991561.
2. Rajalakshmi R and Revathi P, "Geo Polymerisation of Recycled Aggregate Concrete- A Review", International Journal of Advance Engineering and Research Development. ISSN 23486406, Vol. 03 (6) June 2016.
3. R.Senthamilselvi and Revathi P, "Effect Of Mineral Admixtures On The Fresh Properties Of Self Compacting Concrete Produced With Recycled Aggregate" IJRET: International Journal of Research in Engineering and Technology eISSN: 2319-1163 | pISSN: 2321-7308 Volume: 05 Special Issue: 20 | ACCE : REDECON-2016 | Nov-2016 pp 194-200.
4. Revathi Purushothaman, Kavitha.P, Senthamilselvi.R "Experimental Studies On SCC With Recycled Aggregate And Fly Ash" IJRET: International Journal of Research in Engineering and Technology eISSN: 2319-1163 | pISSN: 2321-7308 Volume: 05 Special Issue: 20 | ACCE : REDECON-2016 | Nov-2016, pp 323-329.
5. R.Senthamilselvi and Revathi P, "Investigations on Fresh properties of Self Compacting Concrete with various mineral admixtures" Int. Journal of Engineering Research and Application ISSN: 2248-9622, Vol. 7, Issue 9, (Part -9) September 2017, pp.45-52.
6. Revathi P and Nikesh P, "Effect of Fly-Ash on Corrosion Resistance Characteristics of Rebar Embedded in Recycled Aggregate Concrete" Journal of Institution of Engineers, India- series A. Vol.99 (3) September 2018. ISSN: 2250-2149 (print version) ISSN: 2250-2157 (electronic version).
7. K. Thulasirajan and P. Revathi, "Experimental Investigation of Exterior Mechanical Precast Beam Column Connections using Internal Dissipators under Seismic Loading", Electronic Journal of Structural Engineering, 18(2) 2018. ISSN 14439255.
8. Revathi P and Cavitha R, "Optimum Level of Quarry Dust in Fly-Ash Admixed Recycled aggregate concrete", Indian Concrete Institute (ICI) Journal, Vol.17 July-Sep 2018 pp 12 -14. ISSN 09722998.

9. Revathi P and R. Senthamil Selvi, "Characterisation of Recycled Concrete Aggregate Based on Attached Mortar Content for Structural Concrete Application", *Indian Concrete Institute (ICI) Journal*, Vol.18 Jan-Mar 2019. pp 21-28. ISSN09722998
10. Thulasirajan K and Revathi P, "Behaviour of Precast Beam Column connections- A Review", *Journal of Structural Engineering, SERC*, Vol. 46, No. 1, April-May 2019, pp 17-28. ISSN 0970-0137.
11. R.Senthamilselvi and Revathi P, "Influence of Blended Cement on the fresh properties of self compacting concrete incorporating recycled aggregate" *Recent Advances in Structural Engineering*, Vol. 1 Lecture Notes in Civil Engineering 11, Springer Nature Singapore Ltd, 2019, pp 907-919.
12. Rajalakshmi R and Revathi P, "An eco-friendly surface treatment for recycled coarse aggregate in Geopolymer concrete", *International Journal of Research and Analytical Reviews*, 2019 IJRAR May 2019, Volume 6, Issue 2, pp270-274.
13. Thulasirajan K and Revathi P, "Experimental Investigation of Cleat angle based Exterior Precast Beam-column Connections using Internal Dissipaters under Reverse Cyclic Loading", *Journal of Structural Engineering, SERC*, Vol. 46, No. 6, Feb-March 2020, pp 485-490. ISSN 0970-0137.
14. Thulasirajan K and Revathi P, "Effect of Stiffeners in cleat angle based precast beam-column connections under reverse cyclic loading", *Structures, Elsevier*, Vol. 25, 2020, pp 161-172. ISSN: 2352-0124.
15. Revathi P and Vigneshkumar S, "Simplified Design Approach for Axial Load Capacity of Double-Skin Circular Composite Columns", *Journal of Structural Engineering, SERC*, (Communicated). ISSN 0970-0137.

National and International Conference Publications

1. Revathi, P and Anandhi “ Experimental Study on Glass Industrial Waste as alternate for fine aggregate in concrete” Proceedings of the international conference on ‘Sustainable Practices in Civil Engineering (SPICE 2015)’, KPR Institute of Engineering and Technology, Coimbatore, 16-18 April, 2015.
2. Revathi, P and Jamuna, S, “Study on replacement level of concrete waste as fine aggregate in concrete” Proceedings of the international conference on ‘Sustainable Practices in Civil Engineering (SPICE 2015)’, KPR Institute of Engineering and Technology, Coimbatore, 16-18 April, 2015.
3. Revathi, P and Sidharthan, “ Effect of crushed glass as fine aggregate on compressive strength of concrete”, Proceedings of the international conference on ‘Sustainable Practices in Civil Engineering (SPICE 2015)’, KPR Institute of Engineering and Technology, Coimbatore, 16-18 April, 2015.
4. Senthamil Selvi, R and Revathi P, “ Experimental planning for concrete mixtures using design of experiments approach”, Proceedings of the international conference on ‘Sustainable Practices in Civil Engineering (SPICE 2015)’, KPR Institute of Engineering and Technology, Coimbatore, 16-18 April, 2015.
5. Revathi P and Pandurangan K, “Construction and Demolition Waste as an Alternate for River Sand in Concrete”, Proceedings of Asian Conference on Ecstasy in Concrete ACECON 2015, Kolkata. Pp. 387-395. ISBN 9788192062334.
6. Revathi P and Pandurangan K, “Corrosion Resistance Characteristics of Rebar Embedded in Recycled Aggregate Concrete”, Proceedings of CORCON-2015, Trade Centre, Chennai.
7. Revathi, P and Kavitha P “Experimental Studies on SCC With Recycled Aggregate And Fly Ash- REDECON 2016.
8. Revathi P and R. Senthamilselvi, Effect of Mineral Admixtures on the Fresh Properties of self-compacting Concrete produced with recycled Aggregate. -REDECON 2016.
9. Revathi P and R. Senthamilselvi, Influence Of Blended Cement On The Fresh Properties Of Self Compacting Concrete Incorporating Recycled Aggregate, Structural Engineering Convention SEC 2016 CSIR SERC Chennai, December 2016.
10. Thulasirajan K and Revathi P. (2017). Optimization and influence of parameters affecting the compressive strength of geopolymer concrete containing recycled concrete aggregate: using full factorial design approach. Presented in ICCIEE 2017 conference, Thanjavur, Tamil Nadu, 17-18 March 2017: SASTRA university.

11. *Thulasirajan K and Revathi P, "Effect of Molarity of Sodium Hydroxide and Curing Temperature on the Strength of Geopolymer Concrete Containing Recycled Concrete Aggregate". Presented in ICACMS conference, IITM, Chennai, India 3-8 September 2017: RILEM SARL.*
12. *Sivaprasath S and Revathi P, "Experimental study on dry jointed exterior precast beam column connection", Second international conference on "Sustainable practices in Civil Engineering" April 10-11, 2017, KPR Institute of Engineering and Technology.*
13. *Revathi P, Manoj M, Jagan S and Vignesh S, "Mechanical properties of geopolymer concrete produced with recycled fine aggregate". International Conference on Global Environmental Changes and sustainable development. 4-5 April 2018. Vel Tech University.*
14. *Hiranjani R and Revathi P, "A finite element approach for flexural response of steel concrete composite beams", International Conference on Scientific Research and Innovations 1.0, 6-7 April 2018. Chennai Institute of Technology.*
15. *Vigneshkumar S and P. Revathi, "Estimation Of Axial Capacity Of Double Skinned Circular Concrete Filled Tubular Column", International Conference on Sustainable Environment & Civil Engineering' (ICSECE'19) SRM Easwari Engineering College, Ramapuram, Chennai 28th & 29th March 2019.*
16. *Sithartha Gowtham M and Revathi P, "Experimental study on Mechanical Properties of Paver Block produced from Demolition Waste", 9th International Conference on Science and innovative Engineering held at Jawahar Engineering College, Chennai on 24/03/2019.*