

**Publications of Dr. G. Prince Arulraj**  
**(Data for the last five years)**

**International Journals:**

1. Kalaivanan.P, Saravanan.K, Wilson Tony.D, Dharani.N, Prince Arulraj.G, “Experimental Study on Mechanical Properties of Concrete with GGBS and Eco Sand as a Partial Replacement for Fine Aggregate”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.47 (2015), pp 32473 – 32477.
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3. Krishnapriya , Prince Arulraj G, Moorthi “Surface Treatment of Concrete By Using Bacterial Calcite Precipitation” International Journal of Applied Engineering Research ISSN 0973-4562 Vol 10, No.11 (2015) pp. 28137-28143.
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5. Mintu Mary Mathew, Jemimah Carmichael M, Prince Arulraj G, “Synthesis, Characterization and Development of Nanocomposite”, International Journal of Advance Research in Science and Engineering, Vol.4, Special Issue (01) March 2015, ISSN-2319-8354(E).
6. Kavitha O.R, Shanthi V.M, Prince Arulraj G, P. Sivakumar, “Fresh, micro- and macrolevel studies of metakaolin blended self-compacting concrete”, Applied Clay Science, (2015).pp 370 – 374
7. Aravinthan. K, Venkatesh Babu D.L and Prince Arulraj. G, “Design Of Base Isolated RCC - Framed Structure With Lead Elastomeric Bearing”, Australian Journal of Basic and Applied Sciences, 9(20) June 2015, Pages: 250-256.
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9. Jayalin D. , Kaarthika, Prince Arulraj G., "Analysis of composite beam using Ansys ", IJRET:International Journal of Research in Engineering and Technology eISSN:2319-1163|pISSN: 2321-7308 Volume:04 Special Issue: 09 | LACE-2015|Aug-2015, pp 11-15
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13. Preethi .G and Prince Arulraj G , “Effect of Replacement of Cement with Dolomite Powder on the Mechanical Properties of Concrete”, International journal of Innovative Science, Engineering and Technology (IJSET) - ISSN 2348-7968 Volume 2, Issue 4, April 2015, PP - 1083 to 1088
14. Jemimah Carmichael M, Prince Arulraj G, Shiny Shajan, “Influence of Nano Flyash on Flexural Strength of Concrete”, International Journal of Innovative Research in Science and Engineering, Vol.2, Issue 01, January 2016.
15. Preethi .G and Prince Arulraj.G., Optimal Design of Axially loaded RC Columns”, Bonfring International Journal of Industrial Engineering and Management Science, Vol.6 , No.3,(June 2016) (BIJ-7345) - ISSN 2277-5056 ) pp 78 -81
16. Shanmugasundaram and Prince Arulraj G,”Analytical modelling of Built-up steel beams using ANSYS”, Bonfring International Journal of Industrial Engineering and Management Science, Vol.6 , No.3,(June 2016) pp 82 -87.
17. Aravinthan K and Prince Arulraj.G.,” Analytical and experimental analysis of base isolated structure with hybrid spherical Roller (HSR)”, Asian Journal of research in social Sciences , ISSN 2249-7315 , Vol. 6 (August 2016), pp 2627-2641
18. Anitha selvasofia , Prince arulraj . G ,” Identification of Hotspots of Traffic accidents Using GIS”, International Journal of Advanced Engineering Technology , E-ISSN 0976-3945 , Vol. VII /Issue III , (July –Sept 2016) pp 13-16
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21. Anitha Selva sofia S.D and Prince G. Arulraj “ Accident and Traffic Analysis using GIS”, Biomedical Research, Special Issue, ISSN 0970, 938 X, S 103- S106.

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58. Daniel Paul Thanaraj, N Anand, G Prince Arulraj and Ehab Zalok, “Post-fire damage assessment and capacity based modeling of concrete exposed to elevated temperature”, International Journal of Damage Mechanics, 2019, 0(0) 1-32.
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#### **National Journals:**

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#### **International Conference:**

1. Geethu Dinesh, Jemimah Carmichael, M, Prince Arulraj, G., “Effect of Nanomaterial in Cement Hydration process”, International Conference on Recent Trends in Engineering Science and Management, (15 March 2015) ISBN: 978-81-931039-2-0, Jawaharlal Nehru University, Convention Center, New Delhi (India).
2. Anitha selvasofia , Prince arulraj . G ,” Traffic Congestion Study for Coimbatore District Using GIS “, International Conference on Infrastructure Development for Environment Conservation and Sustenance (INDECS -15) ACE , Hosur,Tamilnadu -635109 , INDIA, (23-30 October 2015)
3. Illakian, Jayalin.D, Prince Arulraj . G, “Finite Element Analysis of Lateral Buckling of Beam” International Conference of Mechanical and Building Sciences, SNS college of Technology, Coimbatore, (March 23, 2016) pp 159 – 164.
4. Preethi .G and Prince Arulraj G, “Optimal Design of Axially Loaded RC Columns “ International Conference on Mechanical and Building Sciences ,SNS college of Technology, Coimbatore, (March 23& 24, 2016) pp 87-95
5. Shanmugasundaram and Prince Arulraj G,”Analytical modelling of Built-up steel beams using ANSYS”, International Conference of Mechanical and Building Sciences, SNS college of Technology, Coimbatore, (March 23 &24, 2016) pp 96-100.
6. Anitha Selvasofia S.D. and Prince Arulraj G. ,“Identification of Hotspots of Traffic Accidents using GIS”, International Conference on Mechanical and Building Sciences at SNS College of Technology , Coimbatore, (March 23& 24, 2016).
7. Prince Arulraj G., Karthikeyan R.M. and Anna Reena G, “Durability Study on Fly Ash Aggregate Concrete”, International Conference on Mechanical and Building Sciences at SNS College of Technology Coimbatore, (March 23& 24, 2016).
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12. Kavitha O.R., Shanthi V. M. and Prince Arulraj G. , “Experimental Studies on Self – Compacting Concrete (SCC) with Incorporation of Metakaolin and Glass Fiber”, International Conference on Mechanical and Building Sciences at SNS College of Technology, Coimbatore, (March 23& 24, 2016).
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14. H.C.M. Swamy and G. Prince Arulraj, “A Comprehensive Analytical study on effect of fracture on flexure, shear, bond and torsional strength in SCC”, 8<sup>th</sup> International Engineering Symposium, IES 2019, Kumamoto University, Japan, March 13, 2019.

#### **National Conference:**

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3. Prince Arul Raj G, Kavitha O.R , Anand Babu, “Yield Of Concrete With Mineral Admixtures”, Proceedings of the National Conference Lace 2k15 SNS College of technology, on 10th April 2015 pp 126 – 134.
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8. Anand N, Samlal Isravel and Prince Arulraj G, “Evaluation of Temperature Distribution on RCC Beams Subjected to Elevated Temperatures “ Structural Engineering Convention (SEC - 2016) CSIR – SERC , Chennai, INDIA .21-23 December 2016 , pp 1076 – 1081
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11. Arulmozhi.S and Prince Arulraj.G ,”Determination of WQI and Suitability of groundwater in Salem Taluk,Tamil Nadu, India ,Proceedings of the National Conference Lace 2k15 SNS College of technology, on 07th April 2017 , pp 656 – 664
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14. Daniel Paul T, Anand N and Prince Arulraj G, Experimental investigation on behavior of concrete exposed to ISO rate of heating, 71<sup>st</sup> RILEM Annual Week, ICACMS 2017, IIT Madras, Chennai, September 3-8, 2017, pp 435-441
15. Daniel Paul T and Anand N and Prince Arulraj G, Studies on Residual strength of concrete subjected to standard temperature exposure, Evolving Trends in Tall Buildings – L&T, Chennai, 16-17 July 2018