DR. G. HEMA LATHA
Associate Professor
Department of Civil Engineering
Karunya Institute of Technology and Sciences

Sl. No	Publication Details	Year Published
1	R Rakshita, C Daniel, G Hemalatha, L Sarala, D Tensing, SS Manoharan, 'Studies on Modeling and Control of RCC Frame with MR Damper' Smart Technologies for Sustainable Development,pp. 223-234.	2020
2	SVS Jebadurai, D Tensing, PM Pradhan, G Hemalatha, 'Enhancing performance of infill masonry with latex modified mortar subjected to cyclic load', Structures, Elsevier Vol. 23, pp. 551-557	2020
3	AA Solomon, G Hemalatha, 'Characteristics of expanded polystyrene (EPS) and its impact on mechanical and thermal performance of insulated concrete form (ICF) system', Structures, Elsevier, Vol. 23, pp. 204-213	2020
4	JJ Shelton, G Hemalatha, V Venkatesh, 'FE modelling of RC frames with Link Column Frame System under in-plane loading', CIGOS 2019, Innovation for Sustainable Infrastructure, pp. 251-256.	2020
5	C Daniel, G Hemalatha, L Sarala, D Tensing, SS Manoharan, XX Bai, 'Experimental Investigation of a Self-powered Magnetorheological Damper for Seismic Mitigation', CIGOS 2019, Innovation for Sustainable Infrastructure, pp. 397-402	2020
6	M Dhileep, PD Arumairaj, G Hemalatha, 'A dynamic correction for the seismic analysis of structures', Innovative Infrastructure Solutions, Vol. 4, Issue 1.	2019
7	C Daniel, G Hemalatha, L Sarala, D Tensing, S Sundar Manoharan, 'Seismic Mitigation of Building Frames using Magnetorheological Damper', International Journal of Engineering, Vol. 32, Issue 11, pp. 1543-1547.	2019
8	C Daniel, G Hemalatha, SP Sathiyan, G Betsya, L Sarala, D Tensing, 'System Identification of Magnetorheological Damper for Various Configurations', IOP Conference Series: Materials Science and Engineering, Vol. 561, Issue 1, pp.12-28.	2019
9	E Arunraj, S Vincent Sam Jebadurai, C Daniel, J Joel Shelton, G	2019

	Hemalatha, 'Experimental Study on Compressive Strength of Brick Using Natural Fibres', International Journal of Engineering, Vol. 32, Issue 6, pp. 799-804.	
10	D Cruze, G Hemalatha, SVS Jebadurai, L Sarala, D Tensing , 'A review on the magnetorheological fluid, damper and its applications for seismic mitigation', Civil Engineering Journal, Vol. 4, Issue 12, pp. 3058-3074.	2018
11	SVS Jebadurai, D Tensing, G Hemalatha, R Siva, 'Experimental investigation of toughness enhancement in cement mortar', International Journal of Engineering, Vol. 31, Issue 11, pp. 1824-1829	2018
12	JS Joseph, H Gladston, V Vellapandi, 'Development of Link Column Frame System for Seismic Resistance of Reinforced Concrete Structures', Advances in Civil Engineering Materials, Vol. 7, Issue 3, pp. 523-546	2018
13	D Cruze, Hemalatha G, S Immanuel, S Loganathan, T Dharmaraj, 'Experimental Investigation on Magnetorheological Damper for RCC Frames Subjected to Cyclic Loading', Advances in Civil Engineering Materials, Vol. 7, Issue 3, pp. 413-427	2018
14	MH Sankar, G Hemalatha, D Tensing, SS Manohar, 'Innovative Smart Material Magneto Rheological (MR) Damper for Building Structures Using Semi-Active Vibration Control', i-Manager's Journal on Structural Engineering, Vol. 7, Issue 2.	2018
15	C Daniel, G Hemalatha, L Sarala, D Tensing, S Sundar Manoharan, 'Magnetorheological Fluid with Nano Fe3O4 for Performance Enhancement of MR Damper for Seismic Resistance of Steel Structures', Key Engineering Materials, Vol. 763, pp. 975-982.	2018
16	RV J. Joel Shelton, G. Hemalatha, 'Experimental Investigation on Link Column Frame System for Reinforced Concrete Structures', Facing the Challenges in Structural Engineering, Vol. 9, pp. 446-459.	2018
17	C. Daniel, G. Hemalatha, Ajita Magdalene, D. Tensing, 'Magnetorheological Damper for Performance Enhancement Against Seismic Forces', Facing the Challenges in Structural Engineering, Vol. 9, pp. 104-117.	2018
18	C Daniel, G Hemalatha, A Magdalene, D Tensing, SS Manoharan, 'Magnetorheological Damper for Performance Enhancement Against Seismic Forces', International Congress and Exhibition" Sustainable Civil Infrastructures, pp. 104-117.	2017
19	S Nair, DG Hemalatha, DP Muthupriya, 'Response Spectrum Analysis	2017

	And Design Of Case Study Building', International Journal Of Civil Engineering And Technology (Ijciet), Vol.8, Issue 8, pp. 1227 – 1238.	
20	K Johnson, DG Hemalatha, 'Analysis and Experimental Study on Strength and Behaviour of Exterior Beam-Column Joints with Diagonal Cross Bracing Bars and Steel Fibres for Improving the Joint Ductility', International Journal of Civil Engineering and Technology, Vol. 8, Issue 1.	2017
21	KC Gunasingh, G Hemalatha, 'Impact of paraffin as phase change material in concrete cubes for enhancing the thermal energy storage', ARPN J Eng Appl Sci, Vol. 12, Issue 15, pp. 4424-4431.	2017
22	AA Solomon, G Hemalatha, 'Inspection of properties of Expanded Polystyrene (EPS), Compressive behaviour, bond and analytical examination of Insulated Concrete Form (ICF) blocks using different densities', International Journal of Civil Engineering and Technology, Vol. 8, Issue 1, pp. 209-221.	2017
23	KC Gunasingh, G Hemalatha, 'Impact of Sodium Silicate Pentahydrate as Phase Change Material in Concrete Cubes for Enhancing the Thermal Comfort', International Journal of Civil Engineering and Technology, Vol. 8, Issue 1.	2017
24	G Hemalatha, K. Johnson, 'Behaviour of Reinforced Cement Concrete Exterior Beam-Column joints under seismic loading and techniques of improving the joint ductility', International journal of earth sciences and engineering, Vol. 10, Issue 3, pp. 24-29.	2017
25	G Hemalatha, K. Johnson, 'Analysis and experimental study on strength and behaviour of exterior beam-column joints with diagonal cross bracing bars and steel fibres for improving the joint ductility', International Journal of Civil Engineering and Technology (IJCIET), Vol. 8, Issue 1, pp. 170 – 188.	2017
26	G Hemalatha, K. Christopher Gunasingh, 'Impact of sodium silicate pentahydrate as phase change material in concrete cubes for enhancing the thermal comfort', International Journal of Civil Engineering and Technology (IJCIET), Vol. 8 Issue1, pp. 999 – 1007.	2017
27	J Shelton, V Venkatesh, G Hemalatha, 'Experimental Investigation on Dual Column Frame System for Seismic Resistance of Reinforced Concrete Frames', Global Journal of Research In Engineering, Vol. 16, Issue 2-E.	2016

28	C Daniel, A Magdalene, G Hemalatha, D Tensing,'Experimental Investigation on Magneto rheological Damper for Seismic Resistance of Structures with Nano Fe_3O_4 MR Fluid', International Journal on Applied Bioengineering, Vol.10, Issue2.	2016
29	Hemalaths G, Joel Shelton J, Venkatesh V, 'Experimental Investigation on Dual Column Frame System for Seismic Resistance of Reinforced Concrete Frames', Global Journal of Researches in Engineering: E Civil And Structural, Vol. 16 Issue 2, pp. 1 -5.	2016
30	G Hemalatha, J. Joel Shelton, 'Behavior of Linked-Column System subjected to Seismic Force', Indian Journal of Science and Technology, Vol. 9, Issue 6, pp. 1-5.	2016
31	Hemalatha G, Anoop PP, Arunraj E, 'Study on Magnetorheological Dampers for Semi-active Control of Buildings by using the Fuzzy Logic Control System', Journal of Civil Engineering and Environmental Technology, Vol. 2 Issue 4, pp. 309-313.	2015