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| C:\Users\Parvati\Pictures\joanna.jpg | Dr.P.S.JoannaProfessor (Visiting), Hindustan Institute of Technology and Science joanna@hindustanuniv.ac.in Total experience (in years): 24Research area: Structural dynamics, Cold-Formed Steel Structures, Sustainable materials, FRP Composites. |

**Recent Publications:**

* [Ganesan, C.](https://www.scopus.com/authid/detail.uri?authorId=56168315700), [Joanna P.S.](https://www.scopus.com/authid/detail.uri?authorId=15073955300), ‘Modeling the residual strength and fatigue life of carbon fiber composites under constant amplitude loading’, Mechanics of Advanced Materials and Structures, 2020, 27(21), pp. 1840-1848 (Web of Science)
* [Divahar, R.](https://www.scopus.com/authid/detail.uri?authorId=56352569700), [Aravind Raj, P.S.](https://www.scopus.com/authid/detail.uri?authorId=55006023900),  [Sangeetha, S.P.](https://www.scopus.com/authid/detail.uri?authorId=57204260163), [Joanna P.S.](https://www.scopus.com/authid/detail.uri?authorId=15073955300) , ‘Experimental, analytical and numerical studies on concrete encased trapezoidally web profiled cold formed steel beams by varying depth-thickness ratio’, Frontiers of Structural and Civil Engineering, 2020, 14(4), pp. 930-946(Web of Science)
* [Aravind Raj, P.S.](https://www.scopus.com/authid/detail.uri?authorId=55006023900), [Divahar, R.](https://www.scopus.com/authid/detail.uri?authorId=56352569700), [Sangeetha, S.P.](https://www.scopus.com/authid/detail.uri?authorId=57204260163), [Joanna P.S.](https://www.scopus.com/authid/detail.uri?authorId=15073955300), ‘Quasi-static cyclic load performance of encased concrete-filled steel tubular with steel loops joint using sustainable concrete’, Asian Journal of Civil Engineering, 2020, 21(7), pp. 1259-1267(Scopus)
* P.S.Joanna, T.S.Parvati, Jessy Rooby, R.Preetha ‘A study on the flexural behavior of sustainable concrete beams with high volume fly ash’ Elsevier-Materials Today: Proceedings,2020 (Scopus)
* Parvati T S, Joanna P.S, “Behaviour of Beam-Column Subjected to Reversed Lateral Loading” KSCE Journal of Civil Engineering, Volume 22, Issue 7, 2018,pp 2464–2468. (WOS)
* C.Ganesan and Joanna P.S, ‘Fatigue Life and Residual Strength prediction of GFRP Composites: An Experimental and Theoretical approach, Latin American Journal of Solids and Structures’,15(7), 72, 2018( (Scopus & WOS)
* Divahar R. and Joanna P.S ‘Numerical Simulation and Experimental Investigation on Static Behaviour of Cold-Formed Steel Beam with Trapezoidally Corrugated Web by Varying Depth-Thickness Ratio’, Asian Journal of Civil Engineering, 2018, 19(2), pp. 121-137 (Scopus ).

**Patent :**

* Moment Resisting Connection for a Long Cantilever Building with Concrete core Wall.
* Double Skinned Beam-Columns with outer cold-formed steel and inner GFRP tubes for Seismic regions.
* Earthquake resistant cold formed concrete filled double skin tubular beam columns strengthened with GFRP wrapping.
* Earthquake Resistant Cold-formed Steel Beams with fly Ash Concrete Encased Trapezoidal Corrugated Web.
* Cold-formed Steel Beam with Encased Braced Web for Earthquake Resistant Constructions.