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## **INTERNATIONAL JOURNAL PUBLICATIONS**

1. Dr.N.Vasiraja, Dr.A.Vasanthanathan, Mr.D. Sathishkumar published "Finite Element Analysis of Glass Fibre Reinforced- Fibre Metal Laminate Composite with Different Stacking Arrangements" SAE Technical Papers, Vol.2020-28-0382, Issue.2020-28-0382, pp.1-6, September-2020
2. Dr.A.Vasanthanathan, Mr.U. Siddharth, Mr.M. Vignesh, Mr.R. Pravin published "Biomimicry: An Overview of Structures, Designs and Materials Inspired from Nature" Current Material Science, Vol.13, Issue.1, pp.3-15, July-2020
3. Mr.K.Chellamuthu, Dr.A.Vasanthanathan published "Experimental analysis of GFRP with PET for tensile load and water absorption" Materials Today: Proceedings, Vol.21, Issue.1, pp.658-662, February-2020
4. Mr.K.Suresh, Dr.A.Vasanthanathan, Dr.P.Nagaraj, Mr.N. Selva Karthik published "Dynamic response analysis of a nose landing gear system of a propeller aircraft by finite element method" Journal of Structural Engineering, Vol.46, Issue.5, pp.369-374, February-2020
5. Dr.A.Vasanthanathan, Dr.Venkateshwaran N, Mr.Guru Charan Kambala, Mr.Rakesh Lali published "On the response of Foam filled hat-stiffened CFRP shells under axial compression: experiments and FE modelling" Materials Research Express, Vol.6, Issue.12, pp.1-17, November-2019
6. Dr.A.Vasanthanathan, Dr.P.Nagaraj, Mr.B.Vignesh, Mr.P.Manoj Kumar, Mr.K.Aravinda Kannan published "On the Experimental and Finite Element Simulation of CFRP space capsule module under axial drop" Journal of Spacecraft Technology, Vol.30, Issue.1, pp.29-42, July-2019
7. Dr.A.Vasanthanathan, Miss.S.Menaga, Miss.K.Rosemi published "A Comprehensive Review of Smart Systems through Smart Materials" Current Materials Science, Vol.12, Issue.1, pp.77-82, April-2019
8. Dr.A.Vasanthanathan, Dr.P.Nagaraj, Mr.K. Karthick Raja, Mr. R. Kumar Arjun, Mr.M. Rajakalai published "Shape memory alloy based smart link for aircraft wing structure: FE modelling and experiments" Journal of Structural Engineering, Vol.45, Issue.2, pp.127-138, October-2018
9. Mr.J.Jerold John Britto, Dr.A.Vasanthanathan, Dr.P.Nagaraj published "Finite Element Modeling and Simulation of Condition Monitoring on Composite Materials Using Piezoelectric Transducers - ANSYS®" Materials Today: Proceedings, Vol.5, Issue.2 Part 2, pp.6684-6691, April-2018

10. Mr.K. Karthik Vinayaga, Dr.A.Vasanthanathan, Dr.P.Nagaraj published "Finite element modeling of smart piezoelectric beam using ANSYS®" Materials Today: Proceedings, Vol.5, Issue.2 Part 2, pp.7078-7085, April-2018
11. Dr.A.Vasanthanathan, Dr.P.Nagaraj, Mr.K.M.Kabilash, Mr.M.Sriram published "The influence of stiffeners on axial crushing of glass-fabric-reinforced epoxy composite shells" Journal of King Saud University–Engineering Sciences, Vol.29, Issue.1, pp.91-101, January-2017
12. Mr.L.Vigneshwara Mahaprabhu, Dr.A.Vasanthanathan, Dr.P.Nagaraj published "Finite Element Studies on Lattice Conical Shell Structures Using LSDyna®" Applied Mechanics and Materials, Vol. 787 , Issue.1, pp.275-279, June-2015
13. Dr.A.Vasanthanathan, Dr.P.Nagaraj published "Correlation Study of IR TNDT Analysis with Structural Failure Modes of Carbon-Fabric-Reinforced Epoxy Composites" Journal of Engineered Fibers and Fabrics , Vol.10, Issue.1, pp.75-88, June-2015
14. Mr.S.Deepak, Dr.A.Vasanthanathan, Dr.P.Nagaraj published "Finite Element Modelling and Simulation of Train Car body Structure using LS-Dyna®" Applied Mechanics and Materials, Vol. 787 , Issue.1, pp.270-274, June-2015