Dr. A.Vasanthanathan
Associate Professor
Department of Mechanical Engineering &
Mepco Schlenk Engineering College (Autonomous),
Sivakasi - 626005
Email: vasanthan@mepcoeng.ac.in; vasanth@alumni.iitm.ac.in
Mobile: +91-9894781354

List of Publications

1. N.Vasiraja, **A.Vasanthanathan,** D.Sathishkumar 2020, 'Finite Element Analysis of Glass Fibre Reinforced- Fibre Metal Laminate Composite with Different Stacking Arrangements', SAE Technical Papers, Sept 2020, Vol. 2020-28-0382, No: 2020-28-0382; pp.1-6.

2. **A. Vasanthanathan**, U. Siddharth, M. Vignesh, R. Pravin 2020, 'Biomimicry: An Overview of Structures, Designs and Materials Inspired from Nature', Current Material Science, Bentham Science, July 2020, Vol.13, No: 1; pp. 3-15.

3. J.Jerold John Britto, **A.Vasanthanathan** 2020, Micromechanics study on FRP composite cylinder under finite element simulation COMSOL Multiphysics®, Materials Today: Proceedings, April 2020, Accepted for publication.

4. K.Suresh, **A.Vasanthanathan**, P.Nagaraj, N. Selva Karthik 2020, 'Dynamic response analysis of a nose landing gear system of a propeller aircraft by Finite Element Method', Journal of Structural Engineering, CSIR-SERC, Vol. 46, No. 5, December 2019 - January 2020 pp. 369-374.

5. K Chellamuthu, **Vasanthanathan, A** 2020, 'Experimental Analysis of GFRP with PET for Tensile Load and Water Absorption', Materials Today: Proceedings, Elsevier, Vol. 21, 658–662.

6. **Vasanthanathan A**, Venkateshwaran N, Guru Charan Kambala and Rakesh Lali 2019, 'On the response of Foam filled hat-stiffened CFRP shells under axial compression: experiments and FE modelling', Material Research Express, IOP, Vol.6, pp.1-14.

7. **Vasanthanathan, A**, P.Nagaraj, B.Vignesh, P.Manoj Kumar, K.Aravinda Kannan 2019, 'On the Experimental and Finite Element Simulation of CFRP space capsule module under axial drop', Journal of Spacecraft Technology, U R Rao Satellite Centre, ISRO, Vol.30, No.1, pp.29-41.

8. **Vasanthanathan, A**, S.Menaga, K.Rosemi 2019, 'A Comprehensive Review of Smart Systems through Smart Materials', Current Materials Science, Bentham Science, Vol.12, No.1, pp.77-81.

9. **Vasanthanathan, A**, Nagaraj,P, K.Karthick Raja, R. Kumar Arjun, M.Rajakalai 2018, 'Shape Memory Alloy based Smart Link for Aircraft wing Structure: FEModelling and Experiments', Journal of Structural Engineering, CSIR-SERC, Vol.45, No.2,pp.127-138.

10.Karthik Vinayagaa,K, **Vasanthanathan, A**, Nagaraj,P 2018, 'Finite element modeling of smart piezoelectric beam using ANSYS®', Materials Today Proceedings, Elsevier, Vol.5, Issue 2, Part 2, pp. 7078-7085.

11. Jerold John Britto,J, **Vasanthanathan, A**, Nagaraj,P 2018, 'Finite Element Modeling and Simulation of Condition Monitoring on Composite Materials using Piezoelectric Transducers - ANSYS®', Materials Today Proceedings, Elsevier, Vol.5, Issue 2, Part 2, pp. 6684-6691.

12. **Vasanthanathan, A** , Nagaraj, P, Kabilash, KM, Sriram, M 2017, 'The influence of stiffeners on axial crushing of glass-fabric-reinforced epoxy composite shells', Journal of King Saud University-Engineering Science, Elsevier, Vol.29, pp.91-101.

13. **Vasanthanathan, A**, Nagaraj, P & Anish, J 2015, 'Anisogrid cylindrical CFRP shell structures under static axial compression – Experiments & Finite Element Modeling', Journal of Structural Engineering, CSIR-SERC, Vol.42, No.4, pp.314-323.

14. S.Deepak, **A.Vasanthanathan,** and P.Nagaraj 2015, 'Finite Element Modelling and Simulation of Train Car body Structure using LS-Dyna®', Applied Mechanics and Materials, Vol. 787, pp. 270-274.

15. L.Vigneshwara Mahaprabhu, **A.Vasanthanathan,** and P.Nagaraj 2015, 'Finite Element Studies on Lattice Conical Shell Structures using LSDyna®', Applied Mechanics and Materials, Vol. 787, pp. 275-279.

16. **Vasanthanathan, A** & Nagaraj, P 2015, 'Correlation Study of IRTNDT Analysis with Structural failure modes of carbon-fabric-reinforced epoxy Composites', Journal of Engineered Fibers and Fabrics,vol.10, no. 1, pp.75-88, INDA Publisher, USA. ISSN1558-9250.

Supervisor   Director / Head of the Center