## Dr.R.Velumurugan List of Publications

- 1. Gupta, A.K., Velmurugan, R., Joshi, M., Gupta, N.K,"Studies on shape memory alloyembedded GFRP composites for improved post-impact damage strength",International Journal of Crashworthiness, 2018. click
- 2. Bindusara T.S., Keerthi Gowda B.S., Velmurugan R.,"A Study on Mechanical Properties of Symmetrical and Asymmetrical Woven Jute Fiber Composite Polymer",IOP Conference Series: Materials Science and Engineering, 2018. click
- 3. S R Madeshwaran, R Jayaganthan, R Velmurugan, N K Gupta and A V Manzhirov,"Mechanical and thermal properties of MoS<sub>2</sub> reinforced epoxy nanocomposites ",Journal of Physics: Conference Series, 2018. click
- 4. R. Abishera, R. Velmurugan, K.V.N. Gopal,"Free, partial, and fully constrained recovery analysis of cold-programmed shape memory epoxy/carbon nanotube nanocomposites", Experiments and Predictions, Journal of Intelligent Material Systems and Structures; 1-13, 2018. click
- 5. R. Abishera, R. Velmurugan, K.V.N. Gopal,"Shape memory behavior of cold-programmed carbon fiber reinforced CNT/epoxy composites", Material Research Express, iopscience.iop, org, 2018. click
- 6. K.Naresh, K.Rajalakshmi, S.Senthilkumaran ,R Velmurugan, k.Shanker,"Effect of nanoclay and differnt impactor shapes on glass/epoxy composites subjected to quasistatic punch shear loading",Advances in Materials and Process technologies ,Taylor & Francis,2018. click
- 7. R Velmurugan, K.Naresh, K. Shankar, "Influence of fibre orientation and thickness on the response of CFRP composites subjected to high velocity impact loading", Advances in Materials and Process technologies volume 4, Taylor & Francis, 2018. click
- 8. A K Gupta,R Velmurugan, Makarand Joshi,"Numerical and expermental study of multimode failure phenomena in GFRP laminates of diferent lay-ups",International journal of Crashworthiness,Volume 23,Issue 1,Taylor & Francis,2018. click
- 9. GLE Prasad, BSK Gowda, R Velmurugan,"A Study on mechincal proeprties of Treated Sisyal Polyester composites", Mechanics of Composite and Multi-functional Materials, Volume 6, Pages 170-185, Springer, 2018. click
- 10. R Abishera, R Velmurugan, Nagendra Gopal K.V,"Shape memory behavior of coldprogrammed carbon fiber reinforced CNT/epoxy composites", Material Research Express,iopscience.iop,org,2018. click
- 11. K.Naresh, K.Shanker, R Velmurugan, "Reliability analysis of the tensile strengths using Weibull distribution in glass/epoxy composites", Composites Part B:Engineering, Volume 133, Pages 129-144, Elsevier, Jan 2018. click

- 12. Daniel Paul, R. Velmurugan, R. Jayaganthan, N. K. Gupta and A. V. Manzhirov, "Analysis of Syntactic Foam-GFRP Sandwich Composites for Flexural Loads", Journal of Physics: Conference Series, 2018. click
  - A. Vasudevan, S. Senthil Kumaraan, K. Naresh, R. Velmurugan and K. Shankar,"Advanced 3D and 2D damage assessment of Low velocity impact response of Glass and Kevlar fiber reinforced epoxy hybrid composites",AMPT 2018, VIT Chennai. click
- 13. E. Mohamed Najeeb, R. Velmurugan, "Effect of fiber orientations of composite panels under far†Ifield pyroshock", Polymer Composites, Pages 1-8, 2017. click
- 14. Daniel Paul and R. Velmurugan, "Analysis of the Specific Properties of Glass Microballoon-Epoxy Syntactic Foams under Tensile and Flexural Loads", Materials Today: Proceedings, AMPCO 2017.
- 15. L. Krishna Prasad, Raviraj Verma, R. Jayaganthan, R. Velmurugan, "Effect of Strain Rate on Tensile and Fracture Behaviour of Ultrafine grained AL6061 processed through Cryorolling and Warm rolling", Materials Today: Proceedings, AMPCO 2017.
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- 17. Pushparaja Murugan, K. Naresh, K. Shankar, R.Velmurugan and G. Balaganesan, "High velocity impact damage investigation of Carbon/epoxy/clay nanocomposites using 3D Computed Tomography", Materials Today: Proceedings, AMPCO 2017.
- 18. K.Naresh, K.Shanker, R Velmurugan, N K Gupta, "Statistical analysis of the tensile strength of GFRP,CFRP and hybrid Composites",Thin walled structures,Elsevier,2017. click
- 19. R Abishera, R Velmurugan, KVN Gopal, "Reversible Plasticity shape memory effect in epoxy/CNT nanocomposites-A theoretical study", Composites Science and technology Volume 141, Pages 145-153, Elsevier, 2017. click
- 20. A K Gupta,R Velmurugan, Makarand Joshi "Comparative study of Damping in Pristine,Steel and Shape Memory Alloy Hybrid Glass Fiber Reinforced Plastic Composite Beams of Equivalent Stiffness",Defence Science Journal Volume 68,2017. click
- 21. G.Balaganeshan, R Velmurugan," Frangibility study of Natural Fiber Reinforced Composite Laminates", Key Engineering Materials, Volume 725, Trans Tech Publ, 2017. click

- 22. GLE Prasad, BSK Gowda, R Velmurugan," Comparative Study of Impact Strength Characterisitics of Treated and Untreated Sisal Polyester Composites", Procedia Engineering, Volume 173, Pages 778-785, Elsevier, 2017. click
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- 27. S.Gurusideswar, N.Srinivasan, R Velmurugan, N.K.Gupta," Tensile Response of Epoxy and Glass/Epoxy Composites at Low and Medium Strain rate Regimes", Procedia Engineering, Volume 173, Pages 689-693, Elsevier, 2017. click
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- 35. G.Balaganeshan, M.Pushparaja, R Velmurugan, N.K.Gupta,"Impactloading on Nanocomposites in Thermal Environment", Procedia IUTAM, Volume 23, Pages 210-219, Elsevier, 2017. click
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- 39. AP Dash, R Velmurugan, MSR Prasad, Rahul S Sikarwar, "Stability improvement of thin isotropic cylindrical shells with partially filled soft elastic core subjected to external pressure", Journal Thin-Walled Structures, Volume, 98, Pages 301-311, Elsevier, 2016. click
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