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**List of Publications**

1. R. Pramanik, Farsa Ram, Kadhiraavan Shanmuganathan and **A. Arockiarajan** Mechanics of soft polymeric materials using a fractal viscoelastic model, Mechanics of Time-Dependent Materials, 2021, accepted.
2. Aghna Mukherjee, Shaikh Faruque Ali and **A. Arockiarajan**, Hybrid bistable composite laminates for structural assemblies: A numerical and experimental study, Composite Structures, DOI:10.1016/j.compstruct.2020.113467.
3. Abhijeet M Giri, S. F. Ali and **A. Arockiarajan**, Dynamics of Symmetric and Asymmetric Potential Well based Piezoelectric Harvesters: A Comprehensive Review, Journal of Intelligent Material Systems and Structures, DOI: 10.1177/1045389X20978292.
4. Bhabagrahi Natha Sharma, Santosh Kapuria and **A. Arockiarajan**, Time Reversibility of Lamb Waves in Thin Plates with Surface-Bonded Piezoelectric Transducers is Temperature Invariant at the Best Reconstruction Frequency, Structural Health Monitoring, doi.org/10.1177/1475921720965122.
5. Deepak kumar, Shaikh Faruque Ali and **A. Arockiarajan**, Studies on large deflection of geometrically nonlinear corrugated structure, Acta Mechanica, 10.1007/s00707-020-02861-x.
6. Adityanarayan Pandey, Pravin Varade, Kumaraswamy Miriyala, N. Shara Sowmya, Amrithesh Kumar, **A. Arockiarajan**, A. R. Kulkarni and N. Venkataramani, Magnetoelectric response in lead-free  $\text{Na}_{0.4}\text{K}_{0.1}\text{Bi}_{0.5}\text{TiO}_3/\text{NiFe}_2\text{O}_4$  laminated composites, Materials Today Communications, 26, 2021, 101898.

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12. S. Sudersan and **A. Arockiarajan**, Effects of Flexoelectricity and Surface Elasticity on the Nonlinear Magnetoelectric Coupling in Unsymmetric Composites, IEEE transactions on magnetics, 56, 2020, 2500211.
13. H. Meharthaj, S. M. Srinivasan and **A. Arockiarajan**, Creep behavior of magnetorheological gels, Mechanics of Advanced Materials and Structures, 27, 2020, 1031-1039.
14. K. Venkata Siva, P. Kaviraj, **A. Arockiarajan**, Improved room temperature magnetoelectric response in CoFe<sub>2</sub>O<sub>4</sub>-BaTiO<sub>3</sub> core shell and bipolar magnetostrictive properties in CoFe<sub>2</sub>O<sub>4</sub>, Materials Letters, 268, 2020, 127623.
15. Aghna Mukherjee, Michael Ian Friswell, Shaikh Faruque Ali and **A. Arockiarajan**, Modeling and design of a class of hybrid bistable symmetric laminates with cantilever boundary configuration, Composite Structures, 239, 2020, 112019.
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## PATENTS

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