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List of Publications:

1. Rajesh Narayana Perumal, **Venkatraj Athikesavan**, Prita Nair, "Influence of lead titanate additive on the structural and electrical properties of Na0.5Bi0.5TiO3-SrTiO3 piezoelectric ceramics", Journal ofCeramic International (2018).

2. Rajesh Narayana Perumal, **Venkatraj Athikesavan**," Studies on 0.95Bi0.5(Na0.40K0.10)TiO3-0.05(Ba0.7Sr0.3)TiO3 ceramics for piezoelectric applications under different sintering temperature", Journal of Ferroelectrics (2019).

3. Rajesh Narayana Perumal, **Venkatraj Athikesavan**, "Investigations on electrical and energy storage behaviour of PZN-PT, PMN-PT, PZN-PMN-PT piezoelectric solid solutions'', Journal of Materials Science: Materials in Electronics (2018).

4. Rajesh Narayana Perumal, **Venkatraj Athikesavan**," Structural, dielectric, piezoelectric and ferroelectric properties of Lead-free (1-x)Na0.5Bi0.5TiO3-xBaTiO3 (x=0.00, 0.04, 0.06, 0.08) Ceramic", AIP (2019).

5. Rajesh Narayana Perumal, **Venkatraj Athikesavan**, "Influence of (RE3+:La3+, Nd3+ and Dy3+) addition on structural, electrical and optical properties of PbZr0.52Ti0.48O3 ceramic", Sensor Letters (2019).

6. Rajesh Narayana Perumal, **Venkatraj Athikesavan**, Sadasivam.S, "Structural, Dielectric, AC conductivity, piezoelectric and impedance spectroscopy studies on PbZr0.52Ti0.48O3:RE3+ (RE3+: La3+, Nd3+ and Dy3+) ceramics", Result in Physics (2019).

7. Rajesh Narayana Perumal, **Venkatraj Athikesavan**, "Influence of lanthanides (Ln = La, Nd and Y) in [Ba0.95Ln0.05] [Zr0.25Ti0.75]O3 lead-free piezoelectric solid solutions", Journal of Ferroelectrics (2019).

8. M. Antony Lilly Grace.R. Sambasivam, Rajesh Narayana Perumal, **Venkatraj Athikesavan**, "Enhanced synthesis, structure and ferroelectric properties of Nb modified 1-x[Bi0.5(Na0.4K0.1) (Ti1-xNbx)]O3-x(Ba0.7Sr0.3)TiO3 ceramics for energy storage applications", Journal of Australian ceramic society, (2019).

9. Rajesh Narayana Perumal, **Venkatraj Athikesavan**, "Investigation on structural and electrical properties of lanthanides doped Bi0.5(Na0.80K0.20)0.5TiO3-SrZrO3 lead-free piezoelectric ceramics for energy storage application", Journal of Material Science Material in Electronics, (2020).

10. Aravinth. K, Ramasamy. P, **Venkatraj Athikesavan**, 2020, "Synthesis and characterization of K0.5Bi0.5TiO3-BaTiO3 piezoelectric ceramics for energy storage applications", Journal of Material Science materials in Electronics, (2020).