

**VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY  
MADURAI**

**Published research papers in the Journals during the last five years**

**Department of Physics**

<b>S.No</b>	<b>Title of the Paper</b>	<b>Name of the Author's</b>	<b>Name of the Journal</b>	<b>Year of Publication</b>
1.	<b>Effect of Sr doping on the magnetocapacitive effect in <math>\text{Bi}_{0.6}\text{Sr}_{0.4}\text{FeO}_{3-\delta}</math> polycrystalline ceramics</b>	<b>R. Rajesh, S. John Ethilton, K. Ramachandran, K. Ramesh Kumar, Samba Siva Vadla, I. B. Shameem Banu.</b>	<b>Applied Physics A</b>	<b>2018</b>
2.	<b>Studies on multiferroic properties of single phasic <math>\text{Bi}_{0.85}\text{Ho}_{0.05}\text{Sm}_{0.1}\text{FeO}_3</math> ceramics</b>	<b>R. Rajesh, S. John Ethilton, K. Ramachandran, N.V. Giridharan K. Ramesh Kumar Samba Siva Vadla</b>	<b>International Journal of Modern Physics B</b>	<b>2018</b>
3.	<b>On the enhancement of energy storage density in <math>\text{Bi}_{0.9}\text{Ho}_{0.1}\text{FeO}_3</math> ceramics</b>	<b>S. John Ethilton, R. Rajesh, K. Ramachandran, N.V. Giridharan</b>	<b>AIP Conference Proceedings</b>	<b>2018</b>
4.	<b>Effect of Mn doping on magnetodielectric properties of polycrystalline <math>\text{BiFeO}_3</math> ceramics</b>	<b>R. Rajesh, N.V. Giridharan, K. Ramesh Kumar C. Karthika</b>	<b>Journal of Alloys and Compounds</b>	<b>2021</b>
5.	<b>Electron density distribution and magnetic ordering of polycrystalline <math>\text{Bi}_{0.6}\text{Sr}_{0.4}\text{FeO}_3</math></b>	<b>R. Rajesh</b>	<b>Ferroelectrics</b>	<b>2021</b>