

## **RESUME**

**Name** : Dr. G. Ramesh  
**Designation** : Teaching Fellow  
**Date of Birth** : 20-07-1983  
**Permanent Contact Address** : No.2, Sri  
Balamuruganapartment Thanthonimalai (PO) Karur 639 007.  
**Tel** 04324255355  
**Mob** 7299361319  
**E-mail** :ramesh.mwl@gmail.com



### **Academic Qualification:**

Course	Educational Institution	Class	Year of Passing
Ph. D. Physics	Indian Institute of Technology Madras	--	2015
M.Sc. Physics	Madurai Kamaraj University, Madurai.	I <sup>st</sup> class	2005
B.Sc. Physics	Govt. Arts and Science College, Karur.	I <sup>st</sup> class	2003

### **Areas of Interest/Research:**

- Relaxorferroelectrics
- Magnetoelectric
- Piezoelectric

### **Academic Experience:**

S.No	Post Held	Department	Duration
1.	Guest lecture	Central Polytechnic College, Tharamani	2006 - 2007
2.	Teaching Fellow	Department of Ceramic Technology, Alagappa College of Technology, Anna University, Chennai – 600 025	13.07.2015 to Till date

### **Funded Research Projects:**

<b>Funding Agency</b>	<b>Title of the Project</b>	<b>Amount</b>	<b>Ongoing/Completed</b>
CTDT- Anna University	Preparation of lead free Multiferroic materials for energy harvesting applications	25,000	Completed

### **LIST OF PUBLICATIONS**

#### **International / National Journals**

1. Dielectric properties of lead indium niobate ceramics synthesized by conventional solid state reaction method, **G. Ramesh**, V. Subramanian and V. Sivasubramanian, Material Research Bulletin 45, 1871 (2010).
2. Evolution of polar order in (1-x)PIN-xPT system as investigated by dielectric and Raman spectroscopy, **G. Ramesh**, V. Subramanian and V. Sivasubramanian, Journal of Applied Physics 113, 074101 (2013)
3. Dielectric and piezoelectric properties of  $(0.90-x)\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3-x\text{PbTiO}_3-0.10\text{PbZrO}_3$  ceramics near morphotropic phase boundary, **G. Ramesh**, V. Subramanian and V. Sivasubramanian, Journal of Electroceramics 31, 309 (2013).
4. Relaxor-like Ferroelectric behaviour favoured by Short-Range B-site ordering in 10%  $\text{Ba}^{2+}$  Substituted  $\text{MgFe}_2\text{O}_4$ , P. Chithralekha, **G. Ramesh**, V. Revathi and V. Subramanian, Material Research Bulletin 53, 240 (2014).
5. Enhanced ferromagnetic properties and high temperature dielectric anomalies in  $\text{Bi}_{0.9}\text{Ca}_{0.05}\text{Sm}_{0.05}\text{FeO}_3$  prepared by hydrothermal method. K. Kamala Bharathi, **G. Ramesh**, L. N. Patro, N. Ravi Chandra Raju, V. Revathi and Do Kyung Kim, Material Research Bulletin 62, 5 (2015).
6. Enhanced self-biased direct and converse magnetoelectric effect in 65PIN- 35PT/NFO laminar composites, S. Dinesh kumar, **G. Ramesh** and V. Subramanian, Journal of Material Science: Material in electronics 26, 2682 (2015).
7. Electrocaloric effect in (1-x)PIN-xPT relaxor ferroelectrics, **G. Ramesh**, M. S. Ramachandra Rao, V. Sivasubramanian and V. Subramanian, Journal of alloys and compounds 663, 444 (2016)

### **International / National Conference/Seminars/Symposium**

1. **G. Ramesh**, V. Subramanian and V. Sivasubramanian, Dielectric properties of Pb(In<sub>1/2</sub>Nb<sub>1/2</sub>)O<sub>3</sub>-PbTiO<sub>3</sub>-PbZrO<sub>3</sub>ceramics near morphotropic phase boundary, presented at 16<sup>th</sup> NSFD, Bilaspur, December 2010.
2. **G. Ramesh**, G. Aruna and V. Subramanian, Dielectric properties of Pb(In<sub>1/2</sub>Nb<sub>1/2</sub>)O<sub>3</sub>-PbTiO<sub>3</sub>ceramics synthesized by conventional solid state reaction route, AIP Conf. Proc. 1349, 1259(2011).
3. S. Dinesh Kumar, **G. Ramesh** and V. Subramanian, Magnetoelectric studies in PINT-NFO based laminate composites, IUMRS ICA Bangalore, December 16-20 2013.
4. S. Dinesh Kumar, **G. Ramesh** and V. Subramanian, Direct and converse magnetoelectric studies on BiScO<sub>3</sub>-PbTiO<sub>3</sub>/NiFe<sub>2</sub>O<sub>4</sub> laminate composite, ISRS –2014, Chennai, December 11-13, 2014.
5. S. Dinesh Kumar, **G. Ramesh** and V. Subramanian, Direct and converse magnetoelectric in BSPT-NFO co-fired laminate composite, 20<sup>th</sup> ICM – 2015, Barcelona, Spain, July 5-10, 2015.
6. S. Dinesh Kumar, **G. Ramesh** and V. Subramanian, Converse magnetoelectric in PIN-PT/NFO laminate composite, AIP Conf. Proc. 1665, 140049(2015).
7. **G. Ramesh**, V. Subramanian, Temperature dependence of Energy Storage density properties 67PIN-33PT relaxor ferroelectric, SEEMA-19, Chennai, March 2, 2019.

### **Publication Details:**(Provide only the count)

Category	Conferences	Journals
National	4	-
International	3	7

**Ph D / MS Guidance:** NA

### **M Tech / B. Tech Guidance:**

Category	Completed	Ongoing
B. Tech	12	0

**Guest lecturers delivered:** NA

**Awards and Recognitions:** NA

### **Academic Responsibilities**

- Ceramic testing lab Involved in framing the syllabus for Thermodynamics and Material
- Characterization techniques courses for university department (Regulation 2019).

- Developing electronic ceramic laboratory for Undergraduate course.
- Prepared UG/PG laboratory manuals.
- Faculty advisor for UG/PG classes.

**Workshops / Seminar / Short term Courses / FDP Organized:** NA

**Workshops / Seminar / Short term Courses / FDP Attended**

S. No	Name of the Event	Duration	Organized by
1.	High Temperature ceramics	19-20 <sup>th</sup> Feb 2015	Department of Ceramic Technology Anna University.
2.	Porous Ceramics	27- 28 <sup>th</sup> May 2016	Department of Ceramic Technology Anna University.
3.	Refractory: Materials, Installation and Applications	5 <sup>th</sup> Oct 2016	Department of Ceramic Technology Anna University
4.	National Seminar on Ceramic Composites	22 <sup>nd</sup> Sep 2017	Department of Ceramic Technology Anna University.
5.	One day national conference on Sustainable Materials for energy and environmental applications	2 <sup>nd</sup> March 2019	Department of Chemistry Anna University
6.	On day national seminar on Application of Ceramic & Polymer in 3D printing	16 <sup>th</sup> March 2019	Department of Ceramic Technology Anna University.
7.	Seminar on e-Learning and MOOCs in Higher Education	14 <sup>th</sup> Sep 2019	Center for Technology Development Anna University
8.	Digital educational tools for teachers	June 2020.	DOMS University of Madras
9.	NPTEL online certification course 'Designing learner centric e-learning in STEM disciplines'	December 2020	NPTEL

**Countries visited:** NA

**Membership, Committees, Boards etc:** NA

**Other Interest:** NA