

### Profile of Dr. K.Marimuthu



- (i) Designation : Assistant Professor
- (ii) Qualification : Ph.D.,
- (iii) Experience : 13 years – Teaching, 16 years - Research
- (iv) Specialization : Phosphors, Luminescence studies on Glass and Ceramics
- (v) Email id : mari\_ram2000@yahoo.com

(vi) Research Guidance:

Degree	Awarded	Guiding
M.Phil	8	2
Ph.D	4	6

(vii) Publications

Sl. No.	Category	Total	For the period 2010-2016
1.	Chapters in Books	4	4
2.	No. of papers in Edited Volume / Proceedings	112	102
3.	No. of Publications in International and National Journal	81	64

### Select Publications

Sl. No	Title of the Article	Name of the Journal	I/N	ISBN/ISSN	Vol.	Pages	Date, Month and Year
1	Concentration dependent spectroscopic properties of Sm <sup>3+</sup> doped borophosphate glasses I.F-1.599	Journal of Molecular Structure	I	0022-2860	1092	166–175	2015
2	Structural and Luminescence properties of Dy <sup>3+</sup> doped Oxyfluoro-boro phosphate glasses for lasing materials and white LEDs, I.F-2.726	Journal of Alloys and Compounds	I	0925-8388	629	230-241	2015

3	Spectroscopic properties of $\text{Er}^{3+}$ doped bismuth lead telluroborate glasses for 1.53 $\mu\text{m}$ optical amplifiers, I.F-2.726	Journal of Alloys and Compounds	I	0925-8388	627	54–68	2015
4	Spectroscopic and energy transfer behaviour of $\text{Dy}^{3+}$ ions in $\text{B}_2\text{O}_3\text{--TeO}_2\text{--PbO--PbF}_2\text{--Bi}_2\text{O}_3\text{--CdO}$ glasses for laser and WLED applications, I.F-2.129	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	I	1386-1425	136	1684–1697	2015
5	White light simulation and luminescence studies on $\text{Dy}^{3+}$ doped Zinc borophosphate glasses, I.F-1.276	Physica B	I	0921-4526	457	287–295	2015

(viii) Sponsored Projects

Major Projects handled so far		Major Projects handled during 2010-2015	
Nos.	Financial Outlay	Nos.	Financial Outlay
3	Rs.40.29 lakhs	3	Rs.40.29 Lakhs

(ix) Details of Projects (2010-16)

S. No.	Title of the Project	Funding Agency	Duration	Total Amount in lakhs
1.	Luminescence and Energy transfer studies on $\text{Ln}^{3+}$ ions in oxide glasses for the development of Blue, Green Lasers	DRDO	2011-2012	Rs.4.90
2.	Developmental Characterization of Rare Earth doped Glasses for White Light Applications	UGC	2012-2015	Rs.11.29
3.	Structural, Optical and Energy transfer studies of $\text{RE}^{3+}$ ions in Oxyfluoride glasses for the development of Luminescent devices	DAE-BRNS	2013-2016	Rs.24.10

(x) Seminars/Conferences/Workshops attended (2010-16) : 16

- (xi) Awards and Honours : Best paper - 8
- (xii) Visits abroad (2010-16) : As a resource person for In-service Teacher Training programme at Sri Lanka during September 2010.
- (xiii) Additional responsibilities (2010-16):
- Member - IQAC
  - Member - Purchase Committee
  - Programme Officer - NSS
  - Programme Officer - PRC
  - Deputy Warden - Men's Hostel
  - In-charge - Department PG Library