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|---|--|--------------------------------|----------------------------|----------------------|
| <p style="text-align: center;"><b>Name:</b><br/><b>Dr. N. Marimuthu</b></p> |  |                                |                            |                      |
| <b>Designation:</b>   | Assistant Professor  |                                |                            |                      |
| <b>Qualification:</b>   | M.Sc., M.Phil., Ph.D.  |                                |                            |                      |
| <b>Area of specialization:</b>  | High-temperature crystal growth, Piezoelectric materials.                          |                                |                            |                      |
| <b>Experience:</b>  | <b>Industrial Experience</b>   | <b>Postdoctoral Experience</b> | <b>Teaching Experience</b> |                      |
|   | 2.5 years  | -                              | 3 years 9 months           |                      |
| <b>Number of workshops / FDP attended:</b>                                  | <b>Number of Workshops</b>   |                                | <b>Number of FDPs</b>      |                      |
|   | 2  |                                | 1                          |                      |
| <b>Publications:</b>  | <b>Conference</b>  |                                | <b>Journal</b>             |                      |
|   | <b>National</b>  | <b>International</b>           | <b>National</b>            | <b>International</b> |
|   | 2  | 2                              | 3                          | 2                    |
| <b>Books / Book Chapters</b>  | -  |                                |                            |                      |
| <b>Patents:</b>   | <b>National</b>  |                                | <b>International</b>       |                      |
|   | -  |                                | -                          |                      |
| <b>Research Guidance</b>  | <b>Completed</b>   |                                | <b>Ongoing</b>             |                      |
|   | -  |                                | -                          |                      |
| <b>Professional Body Membership</b>   | IEEE   |                                |                            |                      |

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|---------------------------|---|
| <b>Research</b>           | <b>Google Scholar ID:</b> iiyVzkAAAAJ<br><b>Researcher ID:</b> PMQ-1861-2026<br><b>Scopus ID:</b> 57196122582 |
| <b>Staff Achievements</b> | 1. JRF-ISRO<br>2. Best poster award - International Conference  |

### Educational Qualifications:

| Category  | Name of the Degree | Specialization | Year of Passing | Name of the College    | Name of the University | % of Marks/ Grades obtained | Class obtained |
|-----------|--------------------|----------------|-----------------|------------------------|------------------------|-----------------------------|----------------|
| UG        | B.Sc.,             | Physics        | 2010            | Pachaiyappa's College  | Madras University      | 70                          | 1              |
| PG        | M.Sc.,             | Physics        | 2013            | Pachaiyappa's College  | Madras University      | 75                          | 1              |
|           | M.Phil.            | Physics        | 2015            | St. Peter's University | St. Peter's University | 82                          | 1              |
| Doctorate | Ph.D.              | Physics        | 2020            | Anna University        | Anna University        | Highly Commented            |                |

### Academic Experience:

| Name of the College                                | Designation         | Joining Date | Relieving Date | Experience |        |      |
|--|---------------------|--------------|----------------|------------|--------|------|
|  |                     |              |                | Years      | Months | Days |
| Sri Sairam Engineering College, Chennai            | Assistant Professor | 11.08.2025   | Till Date      | 0          | 6      | 21   |
| Velammal Institute of Technology                   | Assistant Professor | 11.08.2022   | 30.05.2023     | 0          | 9      | 21   |
| Bharath Institute of Higher Education and Research | Assistant Professor | 01.02.2020   | 10.08.2022     | 2          | 6      | 10   |
| Total  |                     |              |                | 3          | 9      | 23   |

### Workshops/Seminars attended:

- One-day workshop on Energy Storage Devices on 1st October 2022, Velammal Institute of Technology, Ponneri, Tamil Nadu.
- International Virtual Seminar- Virtual seminar on "Applications of DFT to calculations of Phase diagram, Diffusion coefficient, and Phase field simulation," 24th December 2020, Department of Physics, Bharath Institute of Higher Education and Research, Chennai.

### **FDP/STTP Attended:**

1. 3-day Face-to-Face FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by the All India Council for Technical Education (AICTE) at Sri Sai Ram Engineering College, Chennai from 4th December to 6th December 2025.

### **Papers presented in International/National Conferences:**

1. Poster presented at International Conference on Materials and Spectroscopy 2018 (ICMS- 2018) at Saveetha Engineering College, Chennai
2. Poster presented at International Conference on Recent Trends in Materials Science and Applications (RTMSA-2017) at Sri Meenakshi Govt. Arts College for Women, Madurai.
3. Paper presented at 21st National Seminar on Crystal growth & Applications (NSCGA-2017), National College, Tiruchirappalli, India, titled "First ever Langasite crystal grown in India."
4. Paper presented at National Conference (NCTPM-15) at, Pachaiyappa's College, Chennai, titled “Metal acetate doped DAST crystal”

### **Conference/Symposium Attended:**

1. National Conference on Sol-gel Coatings (NCSGC- 2015) at Velammal Engineering College. Chennai-66.
2. National Conference on Spectroscopy (NCONS-2012) at Pachaiyappa's College. Chennai.

### **Journal Publications:**

1. Marimuthu, N, Rathnakumari, M, Suresh Kumar, P, & Upadhyay, RB 2019, ‘Dual photoluminescence emission of Er<sup>3+</sup>, Yb<sup>3+</sup> and Er<sup>3+</sup>/Yb<sup>3+</sup> doped La<sub>3</sub>Ga<sub>5.5</sub>Nb<sub>0.5</sub>O<sub>14</sub> ceramics under UV and IR excitation, Journal of Materials Science- Materials in Electronics, Vol. 30, no. 18, pp. 17424–17431, ISSN: 0957-4522 (Impact Factor: 2.194)
2. Marimuthu, N, Parasuraman, R, Rathnakumari, M, Suresh Kumar, P, & Upadhyay, RB 2018, ‘Synthesis and transport properties of Al substituted langasite ceramics, Journal of Materials Science- Materials in Electronics, vol. 29, no. 2, pp. 1280-1288, ISSN: 0957-4522 (Impact Factor: 2.194)
3. Marimuthu, N, Rathnakumari, M & Suresh Kumar, P 2019, ‘Preparation of pure and Al substituted Langanite (La<sub>3</sub>Ga<sub>5.5</sub>Nb<sub>0.5</sub>O<sub>14</sub>) ceramics and its transport property studies’ International Journal of Trendy Research in Engineering and Technology, Vol. 3, no. 5, pp. 21-25, ISSN: 2582-0958.
4. J. Rajeev Gandhi, Marimuthu, N 2017 “Growth and transport property studies of Anthracene - a wide band gap organic semiconductor”, International Journal of Applied Engineering Research, Vol.1, no.1.
5. Marimuthu, N, R.Rubanthar, M.Rathnakumari, P. Suresh Kumar, 2015 “Microhardness studies of Thiourea doped DAST crystal” International Journal of Applied Engineering Research, ISSN

**Books/Book Chapters:** Nil

**Awards:**

1. Ranked 3rd in PG (M.Sc) Madras University-2013
2. Direct awardee of ISRO, Junior Research Fellow to carry out research in the field of Growth of Langasite crystals.
3. Best poster award for the research paper entitled Growth and characterization of Langasite crystal for SAW device applications. Presented at International Conference in Recent trends in Materials Science and Applications (RTMSA- 2017) at Sri Meenakshi Govt. Arts College for Women, Madurai.6th Jan. 2017.
4. 'A' certificate holder in National Cadet Corps (NCC).
5. Best Volunteer Award in NSS, Pachaiyappa's Arts and Science College, Chennai.

**Online Courses:**

1. Successfully completed NPTEL courses in the following Subject
  - i. Environmental Nanotechnology and Applications
  - ii. Environmental Quality Monitoring & Analysis
2. Successfully completed 2 Modules in NITTT

**Webinar:**

1. National Webinar on "Prospective of Thermoelectric Materials," 11th October 2021, C. Kandasamy Naidu College of Men, Chennai.
2. International Webinar on Advances in the Synthesis of Biopolymer-Ceramic Composites for Biological Application, 10th July 2020, Saveetha Engineering College, Chennai.
3. National Webinar on recent trends in Physics of materials, 24th June 2020, Pachaiyappa's College, Chennai.
4. National Webinar on Recent Advances in Crystal Technology, 28th May 2020, Saveetha Engineering College, Chennai.