

# **Faculty Profile**



**Dr. C. Ramki, M.Sc., Ph.D., PDF**  
Assistant Professor - Physics

## **HIGHLIGHTS:**

- Number of Journal Publications: 13
- H-Index: 5
- Project Funding Received: Nil
- Patents Published: Nil
- Patents Granted: Nil

## **PROFESSIONAL LINKS:**

- Scopus ID: 57192427438
- Scopus Link: [scopus.com/authid/detail.uri?authorId=57192427438](https://scopus.com/authid/detail.uri?authorId=57192427438)
- Google Scholar ID:
- Anna University Faculty ID: 281645
- AICTE Faculty ID: 1-25455714184
- Anna University Supervisor ID:
- LinkedIn: [linkedin.com/in/dr-ramki-c-1084172bb/](https://linkedin.com/in/dr-ramki-c-1084172bb/)

## **PROFESSIONAL BACKGROUND:**

- Teaching Experience till date: 2 years 4 months
- Industrial Experience: Nil

## **INTERNATIONAL EXPOSURE:**

- Shanghai University, China – 2019 to 2022

## **AREA OF SPECIALIZATION:**

- Single crystal growth
- Optical floating zone
- Perovskite oxides
- Alloys
- Nanomaterials

**Ph.Ds AWARDED WITH DETAILS: Nil**

**Ph.Ds GUIDING: Nil**

- **Full Time Scholars:**

- **Part Time Scholars :**

**SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY: Nil**

**PATENTS PUBLISHED/GRANTED: Nil**

**COURSES CERTIFIED: Nil**

**ACHIEVEMENTS AND AWARDS:**

- Research award – 2018 (VIT University)

**SPECIAL SESSIONS DELIVERED:**

- Invited Speaker: 2nd International Webinar, Govt. Arts and Science College, Oct. 07, 2021. INDIA
- Invited Speaker: International alumni webinar series, VIT University, Apr. 28, 2021. INDIA

**CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:**

1. **Ramki Chakaravarthy** et al., Unstable ground state interface of  $R^{3+}$  and  $Fe^{3+}$  ions cause an abnormal magnetic property in  $4RFeO_3$  single crystal (R- rare-earth), *Physical Review Workshop on “Quantum Materials for Modern Magnetism & Spintronics (Q3MS), July 11-14, 2021, Hefei, China (POSTER-Onsite).*
2. **Ramki Chakaravarthy** et al., Rare-earth and transition metal based oxide single crystal  $4RFeO_3$  (R- rare-earth), *IEEE-ISAF, May 16-21, 2021, Sydney, Australia. (Virtual Conference-Presented).*
3. *International Conference on Magnetoelectric Multiferroic and Perovskite Materials, December 26-27, 2020, Shanghai, China (Attended-Onsite).*
4. **Ramki Chakaravarthy** et al., Potassium trihydrogen dioxalate dihydrate nonlinear optical (NLO) single crystal for optical limiting application, *The 2nd Youth Academic Conference on Artificial Crystal Materials (YCCG), November 20-23, 2020, Yixing, China (ORAL Presentation-Onsite).*
5. **C. Ramki** and R. Ezhil Vizhi, Studies on structural, optical, thermal and mechanical properties of potassium hydroxide borate hydrate single crystal for NLO applications in *20<sup>th</sup> National seminar on crystal growth and applications during 19-21 Jan 2016 at Technical Physical Division, BARC Mumbai.*
6. **C. Ramki** and R. Ezhil Vizhi, Synthesis, growth, characterization and SHG active centrosymmetry sodium hydrogen oxalate hydrate single crystal for NLO application in *National conference on advances in applied physics & materials science during 29-30 Jan 2016 at Hindustan University, Chennai.*
7. R. Ezhil Vizhi and **C. Ramki**, Synthesis, bulk growth and characterization on complex metalorganic sodium boro oxalate single crystal – A third order NLO material in *20<sup>th</sup>*

*American Conference on Crystal Growth and Epitaxy (ACCGE-20) during 2-7 August 2015 at Big Sky, Montana, United States.*

8. **C. Ramki** and R. Ezhil Vizhi, Studies on growth and characterization of Dipotassium boro malonate single crystal for nonlinear optical application in *International conference on crystal growth and biomolecular crystallography during 28-29 Nov 2014* at **SASTRA University, Thanjavur.**

**PROFESSIONAL MEMBERSHIPS:**

- Life member – Magnetic Society of India (MSI)
- Life member – Indian Association for Crystal Growth (IACG)

**OTHER DETAILS (If any):**

- **Post-Doctoral Fellow** at Shanghai University, Shanghai, China from December 2019 to February 2022.
- **Research Associate** at Vellore Institute of Technology, Vellore, India during June 2017 – May 2018.
- **Junior Research Fellow** in a DST-SERB funded project (Ref. No. SR/FTP/PS - 122/2012) India from April 2014 – March 2017.