PROFILE

1. Personal details:

Name	**: V VEENACHARY**
DOB	: 09th March 1987
Nationality	: Indian
Address for correspondence	: 2-2-329, Gandhi statue opposite Lane, Kummari wadi, Amberpet, Hyderabad 5000013.
Permanent address	: 4-136, MRO road Ieeja, Jogulamba Gadwal, TS 509127.
Contact No.	: 9030406455
Research experience	: 5 years
Teaching Experience	: 7 years
Email	: veenachary1@gmail.com

2. Major achievements:

1. Qualified in **CSIR-UGC NET** exam (2017), awarded **JRF** and secured **166th rank.**
2. Qualified in **TS/AP SET-2014.**

3. Academic record:

1. Pursuing Ph.D. (joined in 2018) on **"Electrical and Magnetic properties on Aurivillius phase multiferroic compounds".**

Institute	: Osmania University, Hyderabad, India.
Year of joining	: **2018**
Field of Research	: Materials Science
Supervisor	: Dr N V Prasad
Area of Interest	: Magneto-electric materials, Piezoelectric materials, Energy Storage Materials

2. Master of Science (Physics)

Institute	: Rayalaseema University, Kurnool.
Specialization	: Electronics
% of marks	: 73.4
Year of completion	: 2010

3. Bachelor of Science

Institution	: Osmania University
Subjects	: Mathematics, Physics and Computer science
% of marks	: 64.6
Year of completion	: 2008

4. **Areas of interest in research**: synthesis of nanoparticles, magnetoelectric studies in single-phase and multiphase materials, Piezoelectric studies in the development of sensors and actuators, and anode and cathode materials in battery applications.

5. **Experimental skills:**

- One-week certificate course on handling XRD, SEM, VSM, PLD, FTIR, and UV instruments.
- Experience in the synthesis and processing of nanomaterials by different synthesis techniques, like sol-gel, hydrothermal, green synthesis, solid-state reaction, and core-shell method.
- Proficient in Rietveld refinement of XRD data by using FullProf software for a better understanding of the structure of materials.
- Experience in synthesizing thin films by using a PLD (Pulsed Laser Deposition) instrument.
- Experience in sample preparation for Scanning Electron Microscope.
- Raman Spectroscopy and FTIR data analysis for structural units in a given material.
- Operation of dielectric and Impedance (AUTOLAB PGSTAT 30 and HP 4192A IMPEDANCE ANALYSER) to measure the conductivity and dielectric properties.
- A.C. Impedance/Dielectric measurements and analysis of data procured with HP4192A Impedance analyzer.
- Operation of temperature-controlled furnaces, ball milling, and electric and magnetic poling.
- Knowledge of the fitting of impedance data by using Z-view software and FRA (Frequency response analyzer) to understand the relaxation behavior of the samples.
- Expertise in measurement and analysis of piezoelectric parameters.
- Knowledge in designing, developing, and analyzing high-performance oxide-based ceramics by characterizing through an AC impedance analyzer.
- Analysis and interpretation of electrical conductivity measurement using different software programs.
- Proficiency in the analysis and interpretation of ferroelectric behavior in ferroelectrics
- Measuring the static and dynamic pyro-electric behavior

6. **Academic experience**
    1. Worked as a lecturer in Junior college from 2010-2015.
    2. Worked as a lecturer in a degree college from 2015-2018.

7. **Major Strengths**
    1. Ability to work productively.
    2. Knowledge, skills, and experience to undertake the role effectively and efficiently.

3. Synthesis of nanopowders in accordance with ultrafine grain powders.
4. Analysis of magnetoelectric, ferroelectric, and ferromagnetic properties of multiferroic materials.
5. Experience in managing groups of research.

8. List of publications

1. **Veenachary V**.; Ramana, E.V.; Babu, S.N.; Puli, V.S.; Srinivas, A.; Srinivasan, G.; Saha, S.; Prasad, G.; Prasad, N.V. **Magnetic and Magnetoelectric Properties of AurivilliusThree- and Four-Layered Intergrowth Ceramics.** . *https://doi.org/10.3390/cryst13030426*
   Crystals 2023, 13, 426. **Impact factor: 2.67**
2. **Veenachary V.;** Puli, V.S.; Babu, S.N.; Prasad, G.; Prasad, N.V. **Electrical and Magnetic Studies on Promising Aurivillius Intergrowth Compound.**
   J. Mater. Sci. Mater. Electron. 2022, 33, 22614–22627.
   Impact factor: 2.779
3. **V. Veenachary,** E. Venkata Ramana, G.S. Kumar, G. Prasad, N.V. Prasad**, Electrical studies on Bi4NdTi3Fe0.7Co0.3O15-Bi3NdTi2Fe0.7Co0.3O12–δ intergrowth Aurivillius.** *https://doi.org/10.1080/0371750X.2020.1760139* **.**
   *Trans. Ind. Ceram. Soc. 79, 113–119 (2020***).** **Impact factor: 2.355**

9. National/International Conferences attended/papers presented

1. National Conference on Innovations and Technologies for Ceramics on 11-12 Dec,2019 Organized by the Indian Ceramic Society.
2. International Conference on Material Science for Societal Advancement on 20-22nd Jan 2020, Organized by Osmania University.
3. International Conference on Advances in Ceramics and Cement Technologies: Materials and Manufacturing on 13-14 Dec 2021 organized by the Indian Ceramic Society.
4. "3rd Indian Materials Conclave (IndMac) and 32nd Annual General Meeting of MRSI" held between 20-23 December 2021, organized by Indian Institute of Technology, Madras.
5. National Conference on Recent Innovations in Smart/ Nano Materials-2022 on 29-30th April 2022 organized by the Department of Physics, Osmania University.

10. Training programmes

- ❖ Participated in a ONE-WEEK training Program on R&D Equipment on 16-22nd August 2022, organized by NIT Warangal (HUB) and OSMANIA UNIVERSITY (SPOKE).

11. Workshop programmes

1. Participated in a one-day National level workshop for characterization techniques in Material Science and Engineering Research on 28th Feb 2022 organized by Dept. Of Physics, University College of Engineering, OU.

2. Participated in a three-day workshop on Research Skills series-3 on thesis writing held during 21-23rd Nov 2022 organized by the Human Capital Development Center, OU.

12. Technical skills:

- Graduation in Computer science, C-language, C++language, MS Office.

Place:
Date: (V VEENACHARY)