

## ***Curriculum vitae***

### **I. Academic qualifications**

- Marie Skłodowska Curie Actions (MSCA) postdoctoral Researcher in CNR-SPIN, Napoli, Italy (October 2023-till date)
- Post-doctoral researcher in CNR-SPIN, Napoli, Italy (2022-2023)
- Post-doctoral researcher in CRISMAT, UMR CNRS-ENSICAEN, Caen, France (2020-2022)
- Research associate in Department of Electrical Engineering, Indian Institute of Technology (IIT) Madras, Chennai, India (2018-2020)
- Ph.D. (Physics) in Department of Physics, Indian Institute of Technology (IIT) Madras, Chennai, India (2018)

### **II. Research Interest**

Device fabrication and electrical characterization of ferroelectric oxide thin films for next generation nanoelectronics and optoelectronics.

### **III. Research Experience**

Growth of large scale and epitaxial complex oxide heterostructures using off-axis pulsed laser deposition (PLD) technique and experience with structural and electrical characterizations.

### **IV. Teaching Experience**

- Under graduate level Physics I & II and advanced Physics laboratory.
- Demonstration of experiments in optics for under graduate students.

### **V. Short term Internship**

Indo-Japan Exchange program at Shibaura Institute of Technology (SIT), Japan, Jan-March 2017. During this internship, I learned Kelvin Probe Force Microscopy (KFM) studies of complex oxide thin films.

### **VI. Patents, publications and presentations**

Patents (Three), publications (26 international papers and 2 conference papers) and presentations (more than 15 national and international conferences)