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**Date of Joining** : 01.10.2013  
**Experience** : Teaching: **07** years; Research: **10** years  
**Field of specialization** : Experimental Condensed Matter Physics  
**Courses Taught** : Mechanics, Experimental Techniques in Physics, Modern Physics and Relativity, Physics of Dielectrics and Ferroelectrics, Condensed Matter Physics, Physics of Materials Synthesis, Energy Conservation and Management.  
**Number of research papers / Articles published** : 33

Published	Journals	Seminars/ Workshops/ etc.,	Impact / H-index	Patents
International	32	03	H-index: 10	00
National	1	08	--	00

**Number of Books published** : 03 (Chapters)  
**Conferences/seminars/workshops papers presented** : National: 19 International: 4  
**Research consultancy / projects** : Completed: 02 **Ongoing: 0**  
**Guidance** : M.Sc. Project: 25 Ph.D.: Ongoing: 4  
**Organizing the conferences/seminars/workshops** : National: 06

**Significant achievements:**

1. One among the six researchers to be awarded the University of Aveiro best researcher (mentions) for the year 2012.
2. Invited as guest researcher between October 07 and 18, 2019 at the Plataforma Solar De, Almeria, Spain under SFERA -III (Solar Facilities for the European Research Area) funded by the European Commission.

**Publications:**

1. Giant voltage generating microcantilevers based on  $\text{Ba}_{0.85}\text{Ca}_{0.15}\text{Zr}_{0.1}\text{Ti}_{0.9}\text{O}_3$  and  $\text{Co}_{76}\text{Fe}_{14}\text{Ni}_4\text{Si}_5\text{B}$  for next-generation energy harvesters, **Scripta Materialia**, Vol. 180, pp 11, 2020.
2. Effect of CuO modification on Dielectric, ferroelectric and piezoelectric properties of Lead-Free  $\text{SrBi}_4\text{Ti}_4\text{O}_{15}$  ceramics, **Materials Research Express**, Vol 07, 016302, 2020.
3. Effect of ZnO on Ferroelectric Fatigue Retention and Thermal Stability of Ferroelectric Property in lead free  $(\text{K}_{0.5}\text{Na}_{0.5})(\text{Nb}_{0.7}\text{Ta}_{0.3})\text{O}_3$  Ceramics, **RSC Advances**, Vol 9, pp 34888, 2019.
4. Relaxor like colossal dielectric constant in  $\text{CoWO}_4$  and  $\text{CoWO}_4/\text{PbWO}_4$  nanocomposites, **Journal of Materials Science: Materials in Electronics**, Vol 30, pp 14657, 2019.
5. Magnetoelectric coupling in strained strontium titanate and Metglas based magnetoelectric trilayer, **Journal of Alloys and Compounds**, Vol 789, pp 1056, 2019.

**Link:** <http://orcid.org/0000-0001-5601-141X>; ResearcherID: D-4672-2011