Curriculum Vitae

1. Personal information: **Leontin Padurariu**, born on 28.08.1987 in Suceava, Romania.

2. Education:

Dates	*2011-2014*	*2009-2011*	*2006-2009*
Title awarded	Doctor in Science	Master Degree in Physics	Bachelor Degree in Physics
Graduation thesis title	Numerical models for describing dielectric and ferroelectric properties in composite systems	Modeling of the discrete systems of dipoles	Numerical methods for solving the fluid equations in plasma
Principal fields covered	Physics, Modeling and Simulation of Ferroelectrics	Physics, Informatics, Modeling and Simulation of physical processes	Physics, Informatics
Institution	Al. I. Cuza Univ. of Iasi	Al. I. Cuza Univ. of Iasi	Al. I. Cuza Univ. of Iasi
National level	Summa cum Laude	Final exam with score: 10/10	Final exam with score: 9.87/10

3. Professional experience:

Dates	*2020-present*	*2017-2020*	*2011 - present*
Employed as:	Lecturer	Assistant Professor	Researcher
Institution	Al. I. Cuza University of Iasi	Al. I. Cuza University of Iasi	Al. I. Cuza University of Iasi
Principal activities	Courses, seminaries, and laboratories of: Numerical Methods, Computer Programming, Electricity and Magnetism, General Physics, Molecular Physics,	Teaching seminaries and laboratories of: Electricity and Magnetism, General Physics, Molecular Physics, Numerical Methods, Computer Programming	Modeling and Simulation of the functional properties of ferroelectric based solid solutions and/or composites. Member in 14 national projects.

4. Research projects won by competition as principal investigator

Dates	*2020-2021*	*2019-2021*	*2018-2020*	*2015-2017*	*2015-2017*	*2014*
Project title	A new material design paradigm in electroceramics: charged defects engineering	Modeling of the complex dielectric properties in composite systems (Postdoctoral fellowship)	Monte Carlo modeling of domain structure and switching properties of ferroelectric ceramics	Modeling of the switching properties in ferroelectric memories	Exploiting porosity in ferroelectric material by local field engineering towards improved functional properties	Modeling of the nonlinear dielectric properties in ferroelectric composite materials (Doctoral fellowship)
Project code	PN-III-P1-1.1-TE-2019-1929	POCU/380/6/13/123623	PN-III-1.1-PD-2016-1069	GI-2016-05	PNII-RU-TE-2014-4-1494	POSDRU/159/1.5/S/137750
Funding agency	UEFISCDI	Al. I. Cuza Univ.	UEFISCDI	Al. I. Cuza Univ.	UEFISCDI	Al. I. Cuza Univ.
Budget in Eur.	89 200 Eur.	8000 Eur.	52 300 Eur.	4 500 Eur.	125 000 Eur.	4 000 Eur.

5. Main scientific results:

- ✓ Co-author of **26 ISI articles** with a total impact factor of **82.86 (**individual **IF= 15.86)** and a total influence score of **18.57**
- ✓ Main author of **14 ISI** articles
- ✓ Main author of 2 articles published in TOP I journals (ranked first in their category): **Acta Materialia** in 2016 and **Journal of the European Ceramic Society** in 2018.
- ✓ **297 citations** in ISI journals without self citations (**Hirsh factor = 13**)
- ✓ Participations at international conferences: **over 40 oral presentations** (over 20 as presenting author), **8 invited presentations** (3 as presenting author)
- ✓ **CNATDCU** coefficients: I=4.23 (sum of the articles' AIS/number of authors), P=11.36 (AIS of the articles as main author), C=60.33 (sum of the articles' citations/ number of authors). *Note: In Romania, the minimum conditions to acquire the habilitation to supervise PhD thesis in Physics are I>4, P>4, C>40.*

6. Other relevant information:

- ✓ **Prize** for the research activity in 2020, offered by Alexandru Ioan Cuza University in 2021.
- ✓ **3 International Prizes** at international conferences for the best oral/poster presentations (COST MP0904 Training School Meeting in 2012, 9th International Conference on Physics of Advanced Materials in 2012, Electroceramics XIV in 2014)
- ✓ **Prize** for the best PhD thesis in 2014 awarded by Alexandru Ioan Cuza University of Iasi
- ✓ **Prize for excellence** granted by the research CARPATH center in December 2012
- ✓ 2 research stages in the field of modeling the dielectric properties of ferroelectric based composites (at Institute of Condensed Matter Chemistry and Technologies for Energy, Genova, Italy in 2011, and at University of Aveiro, Portugal in 2014)
- ✓ Member in **14 national** projects (3 as director)