





PERSONAL INFORMATION CSIII, Dr. Cristian Leostean


 National Institute for R &D of Isotopic and Molecular Technologies, 67-103 Donat St., 400293 Cluj-Napoca, Romania
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Sex M | Date of birth 21/06/1982 | Nationality Romanian

WORK EXPERIENCE

2006-to date **research in Solid State Physics; physical characterization of magnetic nanocomposites; XPS and magnetometry techniques.**
 National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania.
 01.11.2006 – 31.10.2009 AC
 01.11.2009 – 30.04.2013 CS
 01.05.2013 – to date CSIII

EDUCATION AND TRAINING

2007–2011 **Ph. D**
 Faculty of Physics, Babes-Bolyai University Cluj-Napoca, Romania
 2007–2011 **Master in Quality analysis and monitoring of environment**
 Faculty of Science and Environmental Engineering, Babes-Bolyai University Cluj-Napoca, Romania
 2001 - 2006 **License in Physics**
 Faculty of Physics, Babes-Bolyai University Cluj-Napoca, Romania

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

RESULTS OBTAINED IN THE RD ACTIVITY

No. of ISI articles 30
 No. of communications 86
h-index 12

No. citations	288
Research projects	Project Manager: PD 25—26.04.2013, 2013-2015 Improvement of magnetometry techniques applied to superparamagnetic and bimagnetic nanoparticles Team member: 2 international projects, 11 national projects. No. project proposals: 4 projects evaluated >75.
Lectures at international scientific events	CEEPUS CIII-Freemover-1314-77232, mobility type: teacher Lecture title: Characterization methods for superparamagnetic and bimagnetic core-shell nanoparticles systems, 1st Poznan School on Physics of NanoMagnetism 2014 (POSNAMAG 2014), 20-29.06.2014, NanoBioMedical Centre of the Adam Mickiewicz University, Poznan, Poland
List of representative ISI articles	<ol style="list-style-type: none"> 1. <u>C. Leostean</u>, O. Pana, M. Stefan, A. Popa, D. Toloman, M. Senila, S. Gutoiu, S. Macavei, <i>"New properties of Fe₃O₄@SnO₂ core shell nanoparticles following interface charge/spin transfer"</i> Applied Surface Science 427, 192-201(2018) DOI: 10.1016/j.apsusc.2017.07.267 Impact factor 2017 : 4.439 2. M. Stefan, <u>C. Leostean</u>, O. Pana, D. Toloman, A. Popa, I. Perhaita, M. Senila, O. Marincas, L. Barbu-Tudoran, <i>"Magnetic recoverable Fe(3)o(4)-Tio(2):Eu composite nanoparticles with enhanced photocatalytic activity"</i> Applied Surface Science 390, 248-259(2016) DOI: 10.1016/j.apsusc.2016.08.084 Impact factor 2016 : 3.387 3. M. Stefan, <u>C. Leostean</u>, O. Pana, M.L. Soran, R.C. Suciu, E. Gautron, O. Chauvet, <i>"Synthesis and characterization of Fe₃O₄@ZnS and Fe₃O₄@Au@ZnS core-shell nanoparticles"</i> Applied Surface Science 288: 180-192 (2014) DOI: 10.1016/j.apsusc.2013.10.005 Impact factor 2014 : 2.711 4. <u>C. Leostean</u>, M. Stefan, O. Pana, A. I. Cadis, R. C. Suciu, T. D. Silipas, E. Gautron, <i>"Properties of Eu doped TiO₂ nanoparticles prepared by using organic additives"</i> Journal of Alloys and Compounds 575: 29-39 (2013) Impact factor 2013: 2.289 5. O Pana, <u>C. Leostean</u>, ML Soran, M Stefan, S Macavei, S Gutoiu, V Pop, O Chauvet, <i>"Synthesis and characterization of Fe-Pt based multishell magnetic nanoparticles"</i> Journal of Alloys and Compounds 574: 477-485 (2013) DOI: 10.1016/j.jallcom.2013.05.153 Impact factor 2013: 2.726 6. <u>C. Leostean</u>, O. Pana, R. Turcu, M. L. Soran, S. Macavei, O. Chauvet, C. Payen, <i>"Comparative study of core-shell iron/iron oxide gold covered magnetic nanoparticles obtained in different conditions"</i> Journal of Nanoparticle Research 13, 6181–6192 (2011) DOI: 10.1007/s11051-011-0313-3 Impact factor 2011: 3.287

OTHER COMPETENCES

Member of the professional association 2013-to date	Romanian Physical Society (RPS)
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