

Research projects

Member in the research team in the following research projects:

1. 2005 - *Study on the magnetic properties of Ni(1-x)Zn(x)Fe(2)O(4)-SiO(2) nanocomposites*
2. 2006 - 2008 GRANT CNCSIS, tip A / 2006, *Fundamental and fundamental - applicative research regarding ferrimagnetic spinellic dispersed nanoparticle systems*
3. 2006 - 2008, CEEX research project title: *Knowledge development on elaborating and microprocessing by powder metallurgy of nanostructured materials for MEMS components*
4. 2007 - 2010, CONTRACT PNCDI-2 PC, Title: *Complex research on obtaining and magnetic properties of ferrimagnetic nanoparticles systems of Co_xFe_(3-x)O₄ surfacted/nonsurfacted and biocompatible with potential applications in cancer therapy*
5. 2008 - 2011, EC grant *STEPS TWO* project (Project number: 142371-LLP-1-2008-1-BE-ERASMUS-ENW)
6. 2008 - 2011, CNMP-Partnership research contract, Title: *Synthesis of nanostructured doped semiconductors of Bi₂Te₃SiZn₄Sb₃ with application in clean energetic (Acronym: BITE)*
7. 2008 - 2011, CNMP-Partnership research contract, Title: *Development of nanostructured magneto-dielectric composites to produce smart covers with high microwave absorption (Acronym: AAEM)*
8. 2011 - 2012, Hungary-Romania Cross border cooperation program, Title: *Complex database with molecular data for environmental protection (Környezetvédelmi komplex molekuláris adattárház) HURO/0901/037/2.2.2, (Acronym: EPCOMDA).*
9. 2013-2016, European grant HOPE ([Horizons in Physics Education](http://hopenetwork.eu/content/horizons-physics-education))
<http://hopenetwork.eu/content/horizons-physics-education>
10. 2017-2018, PED, *PV power forecasting toolkit for smart grid-management (Acronym: FORPV) (PN-III-P2-2-1-PED-2016-0592)*