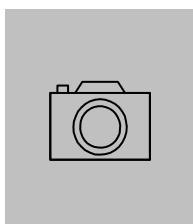




PERSONAL INFORMATION

Pruneanu Stela Maria



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🌐 <http://www.itim-cj.ro/en/index.php?menu=2&submenu=24gr2>

POSITION Senior Researcher- INCDTIM Cluj-Napoca, Romania

EDUCATION AND WORK EXPERIENCE

I) Education, degrees and diplomas:

1. Babes-Bolyai University, Faculty of Physics, Romania - 1982-1987 (**B.Sc.**);
2. Institute fur Festkorperphysik, Graz- Austria 1995 (October) - **Research Stay**
3. Eotvos-Lorand University, Budapest- Hungary, 1997 (April-June) -**PhD Scholarship**;
4. Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering- 1996-1999 (**PHD**);
5. Teesside University, UK, February 2004 - July 2006, **Post Doc**;
6. Newcastle University, UK, August 2006 - June 2008, **Post Doc**

II) Professional experience

Dr. Stela Maria Pruneanu is currently Group Leader at INCDTIM-Cluj-Napoca, Romania. She has demonstrated throughout her scientific career that she can achieve scientific objectives and can produce high-quality work. She has 70 papers in highly-ranked ISI Journals, three book-chapters, six national patent applications and over 600 citations in peer-review papers (H- index 16). She has also been really active in presenting her work at both National and International Conferences (poster and oral communications) and in transferring her skills through teaching at an advanced level (in Teesside and Newcastle University, UK). She presented Seminars at prestigious Universities from Europe: *Institute fur Festkorperphysik, Graz- Austria; Eötvös-Lorand University, Budapest-Hungary; Teesside University- UK; Newcastle University- UK.*

Her research experience is related with: preparation of *metallic nanowires (gold, platinum)*, using alumina membranes as template; preparation of *hybrid nanomaterials*, using DNA as template (e.g. silver or gold nanowires, templated on DNA); detection of *DNA hybridization* using carbon nanotubes modified electrodes, as sensing transducer. Since 2010, her research work was focused on developing nanostructured sensors based on *new types of graphene-modified electrodes* used for the detection of various organic molecules: *adenine; guanine; ssDNA; S-captopril; carbamazepine; hydrogen peroxide.*

