




PERSONAL INFORMATION

**Bejan Simona Elena**

 Bucharest, Romania  
 0040-21-3522048 int 131  
 [sbejan@imnr.ro](mailto:sbejan@imnr.ro)

WORK EXPERIENCE

01.10.2020 - present

**III-rd degree Scientific Researcher (CS III) / Trainer**

National Research & Development Institute for Non-ferrous and Rare Metals - IMNR (INCDMNR-IMNR), Bd. Biruintei, 102, Pantelimon, Ilfov, 077145

Team member in national and international projects that relate to obtaining and processing of nanomaterials; part of the organizing team for training courses, part of the promoting events team  
 Research and development

01.09.2018 – 30.09.2020

**Scientific Researcher (CS)**

National Research & Development Institute for Non-ferrous and Rare Metals - IMNR (INCDMNR-IMNR), Bd. Biruintei, 102, Pantelimon, Ilfov, 077145

Team member in national and international projects that relate to thin films deposition by PVD procedures (E-Beam and thermal evaporation), obtaining and processing of nanomaterials  
 Research and development

10.09.2002 – 31.03.2018

**General Manager**

Asig Con 2002 SRL, 6<sup>th</sup> district Bucharest  
 Insurance

EDUCATION AND TRAINING

2020 – Present

**MSc Engineering Management Program**

Continuing Education Center -TU-Wien

2016 – 2018

**Master Diploma (Advanced Studies)**

POLITEHNICA University of Bucharest, Faculty of Applied Sciences

2006 - 2008

**Diploma de Master**

POLITEHNICA University of Bucharest, Faculty of Materials Science and Engineering

2005 - 2008

**Doctor in Material Sciences**

POLITEHNICA University of Bucharest, Faculty of Materials Science and Engineering

1999 - 2004

**Diplomat Engineer**

POLITEHNICA University of Bucharest, Faculty of Engineering in Foreign Languages

PERSONAL SKILLS

Mother tongue(s)

Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Replace with name of language certificate. Enter level if known.					
French	B1	B1	A2	A2	A2

Computer skills

▪ good command of Microsoft Office™ tools, HSC, Image J

ADDITIONAL  
INFORMATIONPublications  
(Selection)

1. R.R., Predescu, C. - A review on differential scanning calorimetry as a tool for thermal assessment of nanostructured coatings, (2021) *Manufacturing Review*, 8, art. no. 2020038, DOI: 10.1051/mfreview/2020038
2. Ciobota, C.F., Piticescu, R.M., Neagoie, C., Tudor, I.A., Matei, A., Dragut, D.V., Sobetkii, A., Anghel, E.M., Stanoi, A., Simion, C.E., Florea, O.G., **Bejan, S.E.**, - Nanostructured cobalt doped barium strontium titanate thin films with potential in CO<sub>2</sub> detection, (2020) *Materials*, 13 (21), art. no. 4797, pp. 1-18., DOI: 10.3390/ma13214797
3. **Bejan, S.E.**, Piscanu, E., Melinescu, A. - Ceramici tialitice cu vocatie termo-mecanica tialite / Ceramics with thermo-mechanical vocation (2020) *Revista Romana de Materiale/ Romanian Journal of Materials*, 50 (4), pp. 443-447.
4. Sobetkii, A., Olaru, M.T., Cindemir, U., Österlund, L., Stanoi, A., Simion, C.E., **Bejan, S.E.**, Irimescu, R.E. - Deposition and characterization of thin films based on nanostructured WO<sub>3</sub> as sensorial elements for detection of H<sub>2</sub>S [Depunerea și caracterizarea filmelor subțiri pe bază de WO<sub>3</sub> nanostructurat ca elemente senzoriale pentru detecția H<sub>2</sub>S], (2020) *Revista Romana de Materiale/ Romanian Journal of Materials*, 50 (3), pp. 387-394.
5. Ciobanu, M., Nicolicescu, C., **Bejan, S.**, Batin, G., Mercioniu, I. - Studies concerning the microhardness of sintered carbon steels obtained from Fe and Fe<sub>3</sub>C nanopowders, (2011) *Materials Science Forum*, 672, pp. 223-228., DOI: 10.4028/www.scientific.net/MSF.672.223
6. Popescu, G., Moldovan, P., **Bejan, S.**, Miculescu, M., Miculescu, F. - Thermophysical properties and microstructural analysis of AZ80 magnesium alloys designed for automotive industry, (2008) *Materials Science and Technology Conference and Exhibition, MS and T'08*, 2, pp. 1222-1229.

Projects  
(Selection)

1. H2020 862289 FAST – SMART (2020 – 2023)
2. ctr 179/ 01.09.2020 RETECH (2020 – 2022)
3. ctr 612429 SPIRE -SAIS (2020 – 2023)
4. P\_40\_301, Cod SMIS 105707 PROVED (2016 – 2018)
5. PN II: CAPACITATI; Modul III; Nr. 37/10.06.2008 (Nr. Intern U.P.B. I-33-08-01) Bilateral Ro-Bu (2008 – 2009)
6. COLL-CT-2006-030208 MAGFORGE (2006 – 2008)