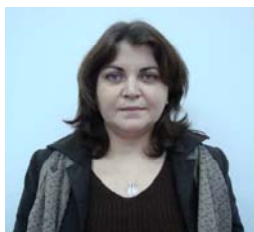


Europass Curriculum Vitae



Personal information

First names / Surname Florentina Grigore
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Nationality Romanian
Date of birth 1.04.1979
Gender Female

Mobile: -

Employment / Occupational field

National Institute for Research and Development in Electrical Engineering
ICPE – CA (INCDIE ICPE – CA)

Work experience

Dates	Dec. 2010 – present	Jan. 2007 – Dec. 2010	Aug. 2005 – Dec. 2006
Occupation or position held	Technological development engineer IDT III, Eng.	Senior researcher CS, Eng.	Junior researcher ACS, Eng.
Main activities and responsibilities	- Experimental researches for to obtain: - ultrafine powders: - β -TCP, Hap - achieved through unconventional techniques (precipitation from solutions of salts); - structures of β -TCP porous ceramic, Hap and biphasic β -TCP/Hap - obtained by polyurethane foam replication technique; - porous ceramic structures of β -TCP doped with silver nanoparticles - obtained by a polyurethane foam replication technique and the technique of dipping; - resorbable products of β -TCP, the granular type, with rough shape, the corners (four types and sizes: 63-250 mm, 250-500 mm, 500-1000 mm, 1000-2000 mm), with commercial name PG - β -TCP.		- Study and experimental researches in biomaterials field - Translations in/from English; - Works in different national programs
Name and address of employer	INCDIE ICPE-CA, Splaiul Unirii No.313, Sector 3, Bucharest		
Type of business or sector	Biomaterials		

Education and training

Dates	2004 - 2005	1999 - 2004
Title of qualification awarded	Diploma of Master	Diploma of Engineer
Principal subjects/occupational skills covered	Composite Materials	Chemical Engineer
Name and type of organisation providing education and training	Polytechnic University of Bucharest, Faculty of Applied Chemistry and Materials Science	Polytechnic University of Bucharest, Faculty of Applied Chemistry and Materials Science
Level in national or international classification		

Personal skills and competencies

Mother tongue Romanian
Other language(s)
Self-assessment
European level ()*
English

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B1	B2	B1	B1	B1

(*) [Common European Framework of Reference for Languages](#)

Social skills and competencies

teamwork, increased ability to adapt, communicative, serious, ambitious

Organisational skills and competencies	<p>Capacity for synthesis, decision-making skills acquired within some national projects:</p> <ul style="list-style-type: none"> - Project Responsible (2007 – 2010) at PNCD II research projects - Contract No.41-059/14.09.2007 - Participant (2005 – 2011) at 14 national research projects; <p>Project management skills acquired in the following courses:</p> <ul style="list-style-type: none"> - "Assistant Manager" organized by AMCSIT - Polytechnic, 26.10.2005 – 9.11.2005, Diploma No. 5/14.11.2005 attested by the Ministry of Labour, Social Solidarity and Family and by the Ministry of Education and Research; - "Management of Research Projects", organized in the CEEX-M II Program / Contract 6062, 01.10.2006 – 30.11.2006; Certificate Series A No. 0041/12.12.2007.
Technical skills and competencies	<p>Processing of biomaterials by neconventional techniques and physical characterization of samples by absorption spectrophotometry in UV-Vis-NIR (V570 Jasco spectrophotometer), measurements of nanoparticle sizes and zeta potential by DLS technique (90 Plus apparatus, Brookhaven).</p>
Computer skills and competencies	<p>Microsoft Office (Word, Excel, PowerPoint, Photo Editor), LabVIEW, AutoCad; Origin 7.5.</p>
Other skills and competencies	<ul style="list-style-type: none"> - Pedagogical skills, Certificate from 2004 issued by the Ministry of Education, UPB - Participating in specialized courses organized in period 02-07.07.06 at Patras, Grecia, ,, 3rd Summer School Emerging technologies in biomedicine."
Additional information	<p>Member of professional associations:</p> <ul style="list-style-type: none"> - Romanian Society of Ceramic; - Romanian Society of Biomaterials – SRB. <p>Publications:</p> <ul style="list-style-type: none"> - 41 scientific articles published in specialty journals or reviews, including 13 articles in ISI quoted journals, 2 articles in journals indexed in international databases, 26 articles published in other periodicals. - 1 patent - 3 patent requests. <p>ISI quoted published articles:</p> <ol style="list-style-type: none"> 1. Ch.Tardei, F. Grigore, I.Pasuk, S.Stoleriu, The Study of Mg²⁺ /Ca²⁺, „Substitution of β-Tricalcium Phosphate”, Journal of Optoelectronics and Advanced Material (ctg.A CNCISIS, factor impact=1.138, ISSN 1454-4164),Vol. 8, No. 2, pag 568-572, April 2006 2. Christu Tardei, Florentina Grigore, ,, Resorbability reduction by the incorporation of Mg²⁺ ions into β-TCP”, Revista Română de Materiale (ctg.B CNCISIS), ISSN 1583-3186, 2006, 36(4), 271-279. 3. S. Gavriliiu, M. Lungu, F. Grigore, D. Donescu, M. Giurea: Nano/Micro Silver Powders for Electronic Materials, Journal of Optoelectronic and Advanced Materials, Vol.10, No.12, 2008, p.3247-3250 4. Florentina Grigore, Ecaterina Andronescu, Christu Târdei, Ella Ștefan, ,, Some Aspects Regarding Surface of Natural Zeolites Purified by the Thermal Activations”, Rev. Rom. de Mat. (ctg.A CNCISIS), ISSN 1583-3186, Vol.1, pag.48-51, 2007. 5. F.Grigore, E.Andronescu, Ch.Tardei, M.Lungu, D.Patroi, Preparation of macroporous ceramic based on beta-Ca₃(PO₄)₂. Preliminary results, Journal of Optoelectronics and Advanced materials, Vol.10, Nr. 4, aprilie 2008, p.975-977 6. Gavriliiu, M. Lungu, E. Enescu, F. Grigore, C. R. Ionescu “Stable Colloidal Silver Solutions for Different Applications”, Optoelectronic and Advanced Materials, Vol.3, Nr.6, iunie 2009, pag. 634-637, ISSN 1842-6573 7. F.Grigore, S.Gavriliiu, M.Lungu, E.Andronescu, Ch.Tardei, P.Budrugaec, S.Hodorogea, ,,Characterizations of the β-TCP suspensions”, Revista Romana de Chimie, Vol.60, 2009, pag. 1107-1109, ISSN 0034-7752 8. S.Gavriliiu, M.Lungu, F.Grigore, N.Buruntea, C.Groza, ,, New composite powders with high antifungal proprieties”, Optoelectronics and Advanced Materials, Vol.3, Nr.8, august 2009, p.795-799, ISSN 1842-6573 9. M.Lungu, T.Canta, D.Frunza, S.Gavriliiu, F.Grigore, ,,Modeling and simulation of the warm forward extrusion process for some sintered round bars”, Journal of Optoelectronics and Advanced Materials, Vol.1, No.5, 2009, p.971-974 10. E. Vasilescu, J. M. Calderon Moreno, C. Vasilescu, F. Grigore, S. I. Drob, Interactions of some new scaffolds with simulated body fluids, Revista Romana de Chimie (Bucuresti), Vol.62, Nr.2, 2011, p.212-215 11. Nocivin A., Raducanu D, Cinca I., Cojocar D., Cimpean A., Grigore F., Ion R., New method of material selection applied to 3d structured hard tissue design, Metalurgia International , Volume: 14 Special Issue: Sp. Iss. 11 Pages: 42-47 Published: 2009, ISSN: 1582-2214 12. C. Vasilescu, J. M. Calderon Moreno, A. Cimpean, D. Cojocar, I. Cinca, E. Andronescu, F. Grigore, B. Galateanu, S. I. Drob, “Synthesis, Mechanical And Structural Properties And Biological Activity Of Some Nanostructured Bone Scaffolds”, Digest Journal of Nanomaterials and Biostructures, Vol. 6, No 2, April - June 2011, p. 523 – 534 13. V. Tsakiris, E. Enescu, G. Alecu, V. Marinescu, M. Lungu, Fl. Albu, Fl. Grigore, ,,Characterization of Al matrix composites reinforced with alumina nanoparticles obtained by PM method”, Journal of Optoelectronics and Advanced Materials, Vol. 13, No. 9, September 2011, p. 1172 - 1175

Patent

- F. Grigore, S. Gavrilu, M. Lungu, "Advanced ceramic nanocomposite for bones repair and process for its obtaining", No. A/00847.

Patent requests:

- V. Tsakiris, E. Enescu, M. Lucaci, G. Alecu, Fl. Albu, M. Lungu, Fl. Grigore, "Process for obtaining a composite material based on aluminium with alumina nanoparticules" Patent Request at OSIM No A/00711 of 20.07.2011.
- Georgeta Velciu, Cristian Şeitan F. Grigore, Christu Țârdei, Virgil Marinescu, " Process for obtaining a ceramic material with microsphere cavernous - Al₂O₃ type", Patent Request at OSIM No. A/00710 of 20.07.2011.
- F. Grigore, Velciu Georgeta, Tsakiris Violeta, M. Lungu, Procedure for obtaining a resorbable material Of the beta - tricalcium phosphate", Patent Request at OSIM No. A/00374 of 19.04.2011.

Awards:

- 1) Diploma with Silver Medal at "The International Exhibition of Inventions and New Technologies - INVENTIKA", Edition XIII, Bucharest, Romania, 28 - 31.10.2009, for the Patent Request No. A/00847 of 3.11.2008.
- 2) Diploma with Silver Medal at "The 37th International Exhibition of Innovations, New Techniques and Products", Geneva, Switzerland, 1 - 5.04.2009 for the Patent Request No. A/00847 of 3/11/2008.
- 3) Prize, "For best young researcher in 2009", given by ANCS.

Date: 12.10.2011

Eng. Grigore Florentina