

PERSONAL INFORMATION Clicinschi Florentina Marilena

 Str. Jean Alexandru Steriadi no 27, Bl L15, Sc 3, Ap 106, Bucharest, Romania,

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 florentina.clicinschi@icpe-ca.ro,

Gender Female | Birth: 23/03/1980 | Romanian Nationality

WORK EXPERIENCE

November 2015-present

III-grade Scientific Researcher

INCDIE ICPE-CA Bucharest, Splaiul Unirii, no. 313, district 3 Bucharest, postal cod 030138

Advanced materials department

- Synthesis, processing and characterization of non-oxide materials
- Synthesis of oxidic ceramic materials and biomaterials
- Acquisition and processing of experimental data (viscosity determinations)

Type or activity sector : Research Development

December 2008-November 2015

Scientific Researcher

INCDIE ICPE-CA Bucharest, Splaiul Unirii, no. 313, district 3 Bucharest, postal cod 030138

- Synthesis, processing and characterization of non-oxide materials
- Synthesis of oxidic ceramic materials and biomaterials
- Acquisition and processing of experimental data (viscosity determinations)
- Responsible for quality and environment assurance in the department, compliance with quality and environment standards SR EN ISO 14001: 2005, SR EN ISO 9000: 2001 and SR EN ISO 13485: 2004

Type or activity sector : Research Development

January 2006–December 2008

Scientific research assistant

INCDIE ICPE-CA Bucharest, Splaiul Unirii, no. 313, district 3 Bucharest, postal cod 030138

Synthesis, processing and characterization of non-oxide materials

Type or activity sector : Research Development

EDUCATION AND TRAINING

2004-2005

Master's Degree in Oxidized Materials with Electrical and Magnetic Properties

Level 7 EQF

Politehnica University of Bucharest, Faculty of Industrial Chemistry, BUCHAREST

- Postgraduate studies in Oxidized Materials with electrical and magnetic properties

1999-2004

Bachelor's degree - Chimist Engineer Level 6 EQF

Level 6 EQF

Politehnica University of Bucharest, Faculty of Industrial Chemistry, BUCHAREST

- Oxidation Science and Engineering Section,

1994-1998

High school diploma

Level 5 EQF

"Mihai Eminescu" High School, Buzău
 ▪ Real profile, Chemistry-Biology

PERSONAL SKILLS

Mother tongue(s) Romanian

| Other language(s) | UNDERSTANDING | | SPEAKING | | WRITING |
|-------------------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | B2 | C2 | B1 | B1 | B1 |

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user

Communication skills ▪ Good communication skills, team spirit, adaptability

Organizational skills / management ▪ I participated in the 12 years of my research activity at the Institute in over 15 national research projects as responsible and / or a member of the INCDIE ICPE-CA research teams won by competition.

Skills acquired in the workplace ▪ I was also involved in running an international project as a member of the research team.
 ▪ Ability to use characterization techniques: viscosity
 ▪ Knowledge of laboratory certification

| Digital skills | | | | | SELF EVALUATION | | | | |
|------------------------|------------------|------------------|-----------------|-----------------|------------------------|------------------|------------------|-----------------|-----------------|
| Information processing | Communication | Content creation | Security | Troubleshooting | Information processing | Communication | Content creation | Security | Troubleshooting |
| INDEPENDENT USER | INDEPENDENT USER | INDEPENDENT USER | ELEMENTARY USER | ELEMENTARY USER | INDEPENDENT USER | INDEPENDENT USER | INDEPENDENT USER | ELEMENTARY USER | ELEMENTARY USER |

▪ Good command of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™)
 ▪ Elementary knowledge of the Origin application

Other skills

Internships and training courses

- 2007 – training courses „Processing of advanced materials”, organized by the network of excellence „Knowledge- based Multicomponent Materials for Durable and Safe Performance” (KMM-NoE), London Imperial College – Royal School of Mines, England.
- 2006 – summer school „Powder Metallurgy Training Courses” organized by European Powder Metallurgy Association (EPMA), Grenoble, France.
- 2006 – Course Management of Research Projects, PC 7 Application organized under the CEEX-MII Program, by the National School of Political and Administrative Studies, BUCHAREST ,
- Pedagogy certificate obtained at the Polytechnic University of Bucharest, following the pedagogical and practical courses, 2004, Bucharest;

Papers published in ISI rated journals

1. Adela Băra, Cristina Banciu, Virgil Marinescu, **Florentina Clicinschi**, Elena Chi țanu *Influence of process parameters on the morphology of polyacrylonitrile electrospun fibers*, *Industria textilă*, 66(4), pp 232-239, 2015, impact factor 0,57

2. TSAKIRIS Violeta^{1,a*}, KAPPEL Wilhelm^{1,b}, VELCIU Georgeta^{1,c}, SEITAN Cristian^{1,d}, TALPEANU Dorinel^{1,e}, **CLICINSCHI Florentina**^{1,f}, HAJDU Carmen^{1,g} and MARINESCU Virgil^{1,h}, *Joining of Y2O3-doped Aluminum Nitride with High Density Graphite by Spark Plasma Sintering*, *Advanced Materials Research*, Vol 1111 pp 260-265, (2015), doi:10.4028/www.scientific.net/AMR.1111.260, ISSN:1662-8985, indexat ISI WoS

3. Christu Tardei^{1*}, Mariana Spataru¹, **Florentina M. Albu¹**, Stefania Stoleriu², Anghel Ioncea³, *Fabrication and characterization of porous tri-calcium phosphate ceramic microspheres*, Romanian Journal of Materials, 43(1), pp. 41-47, 2013, ISSN= 1583-3186, impact factor 0,61
4. TSAKIRIS Violeta, KAPPEL Wilhelm, TALPEANU Dorinel, **ALBU Florentina**, PATROI Delia, MARINESCU Virgil, *Joining of C/SiC Materials by Spark Plasma Sintering*, Advanced Materials Research Vol. 1029, pp 200-205, (2014) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMR.1029.200, ISSN:1662-8985, indexat ISI WoS
5. **F. Albu**, C. Șeitan, C. Tardei, V. Tsakiris, G. Velciu, *High mechanical properties of Si₃N₄ and SiC based ceramic composites*, Romanian Journal of Materials, 42 (2) , pp. 164-171, 2012, ISSN 1583-3186, impact factor 0,61
6. V Tsakiris, E. Enescu, G. Alecu, V. Marinescu, M. Lungu, **FI. Albu**, FI. Grigore, *Characterization of Al matrix composites reinforced with alumina nanoparticles obtained by PM method*, Journal of Optoelectronics and Advanced Materials, Vol. 13, No. 9, pp. 1172 – 1175, 2011, ISBN 1454-4164, factor de impact ISI in 2011 = 0,457
7. Ch. Țârdei, **B. Florentina**, M. Ocheșel, *Ceramic based composite materials for welding processes. Preparation, characterizations and the weld quality*, Romanian Journal of Materials, 39 (3), pp. 188–195, 2009, ISSN= 1583-3186, impact factor 0,61
8. Georgeta Velciu, Cristian Șeitan, **Florentina Bogdan**, Gabriela Sbârcea, *Composites materials used as anode for SOFC*, Romanian Journal of Materials, 39(3), pp. 180-188, 2009, ISSN 1583-3186,
9. M. Spataru, Ch. Țârdei, M.R. Neamtu, **F. Bogdan**, *Rheology of tricalcium phosphate (β-TCP) suspensions*, Revue Romaine de Chimie, vol. 53(10), pp. 955-959, 2008, ISSN=0035-3930,

Papers presented at international conferences

1. *Christu Țârdei¹*, Radu Albușescu², **Florentina Albu¹**, Dorinel Talpeanu¹, Virgil Marinescu¹, „Porous calcium phosphates bioceramic matrices for medical applications”, Bulletin of Micro and Nanoelectrotechnologies, vol. III, no. 4, p. 31-35, 2012, ISSN 2069-1505,
2. V. Tsakiris, E. Enescu, G. Alecu, L. Leonat, M. Lungu, **FI. Albu**, C. Tsakiris - *Al based composites reinforced with ceramic nanoparticles, consolidated by PM method*, The Annals of Dunarea de Jos University of Galati, Fascicle XII, Welding Equipment and Technology, pp. 19-24, decembrie 2011, ISSN 1221-4639, revista categoria B+
3. Tsakiris Violeta, Kappel Wilhelm, Velciu Georgeta, Seitan Cristian, Talpeanu Dorinel, **Clicinschi Florentina**, Hajdu Carmen, Marinescu Virgil, *Joining of Y₂O₃-doped Aluminum Nitride with High Density Graphite by Spark Plasma Sintering*, The 3rd IIV South-East European welding Congress, June 03-05, 2015, Timisoara, Romania
4. TSAKIRIS Violeta, KAPPEL Wilhelm, TALPEANU Dorinel, ALBU Florentina, PATROI Delia, MARINESCU Virgil, *Joining of C/SiC Materials by Spark Plasma Sintering*, TIMA2014, The 7th International Conference Innovative technologies for Joining advanced Materials, 19-20.06.2014, Timisoara, Romania, ISSN 1022 - 6680
5. V. Tsakiris, E. Enescu, M. Lungu, M. Lucaci, D. Savu, V. Marinescu, **F. Albu**, G. Alecu, D. Patroi- *Al-Al₂O₃ metallic composites consolidated by spark plasma sintering*, The 5th International Conference – Innovative technologies for joining advanced materials (TIMA 2011), CD, Section 3: Specific problems in advanced material joining (paper no. 21 in Romanian and English version), Editura SUDURA, pp. 1-6, Timisoara, Iunie 16-17, 2011, ISSN 1844-4938
6. **FI Albu**, Cr Seitan, Ch Tardei, V Tsakiris, „Nonoxide ceramic composites with superior mechanical properties based on SiC and Si₃N₄”, 3rd International Conference „Advanced Composites Materials Engineering”- COMAT 2010, vol. 1, pp. 151-154, 27-29 October 2010, Brasov, Romania, ISSN 1844-9336
7. V.Tsakiris, E.Enescu, M.Lucaci, G.Alecu, L.Leonat, **FI.Albu**, V.Marinescu, D.Patroi- *Aluminum based composites reinforced with SiC nanometric particulates*, 3rd International Conference ”Advanced Composite Materials Engineering”, COMAT 2010, vol. 1, pp.236-241, 27- 29 October 2010, Brasov, Romania, ISSN 1844-9336
8. Georgeta Velciu, Cristian Șeitan, **Florentina Bogdan**, *New types of ceramic anode materials for IT – SOFC*, The 3rd European & International Conference, H2 Fuel Cells Millenium Convergence, Bucharest, Romania, September 21-22, 2009, ISBN-10:973-1704-15-9
9. Violeta Tsakiris, Mariana Lucaci, Georgeta Alecu, **Florentina Marilena Bogdan** - *The Influence Factors on Mechanical Performances of Aluminium Metallic Nanocomposites*, 4th INTERNATIONAL CONFERENCE ON POWDER METALLURGY RoPM 2009, Conference Programme, Book of Abstracts, pp. 107, 8-11 iulie, 2009, Craiova, Ed. RISOPRINT Cluj-Napoca, ISBN-978-973-53-0097-5
10. Christu Țârdei¹, **Florentina M. Bogdan¹**, Mariana Ocheșel², „Some aspects regarding ceramic and the welding process with ceramic backing”, 10th International Conference of the European Ceramic Society, ECERS-10, CD Proceedings, pp.1262-1265, June 17-21, 2007, Berlin, Götter Verlag GmbH, Baden-Baden, ISBN: 3-87264-022-4,.

Papers presented at national conferences

1. Georgeta Velciu, Iosif Lingvay, Christu Țârdei, **Florentina Albu**, Violeta Tsakiris- *Solutions to Reduce Heat Loss from Buildings by Covering with Thermo Insulating and Anticorrosion Nanostructured Material*, Poster Code: Sp-56, 12th Edition of WEC Central & Eastern Europe Regional Energy Forum - FOREN 2014, 22-26 June, Bucharest, Romania
2. V. Tsakiris, E. Enescu, M. Lucaci, G. Alecu, **FI. Albu**, M. Lungu, FI. Grigore, *Procedeu de obtinere a unui material compozit pe baza de aluminiu cu nanoparticule de alumina*, A X-a ediție, jubiliară, a Salonului Internațional al Cercetării, Inovării și Inventicii PRO INVENT 2012, Cluj-Napoca, România, 27 – 30 martie 2012, Complexul Expo Transilvania din Cluj –Napoca, premiat cu Diploma de Excelența și Medalie de Aur.

3. *Christu Tardei, ***Florentina Albu**, **Radu Albulescu, *Virgil Marinescu, *Calcium phosphate bioceramics porous matrices for medical applications*, Masa rotundă INGIMED XIII „Ingineria biomedicală 2012: creșterea continuă în pofida crizei”, vol. III, nr. 4, pp. 31-36, December 2012, Bucuresti, Romania, ISSN 2069-1505
4. V. Tsakiris, E. Enescu, M. Lucaci, M. Lungu, **F. Albu**, G. Alecu, C. Tsakiris - *Compozite pe baza de aluminiu, ranforsate cu nanoparticule ceramice, obtinute prin extrudare*, Conferinta Nationala „Noi provocari ingineresti în contextul economic actual”, Universitatea Ecologica din Bucuresti, Facultatea de Inginerie Manageriala si a Mediului, Revista Ecologica Universitaria, Analele Universitatii Ecologice din Bucuresti, Seria: Ingineria manageriala si a mediului, Ed. PRO UNIVERSITARIA, pp. 105-119, 14 aprilie 2011, Bucuresti, ISSN 2065-9806
5. Maria Spataru¹, Christu Tardei¹, Monica Nemtanu², **Florentina Bogdan**¹, *Rheological characterization of aqueous β -tcp suspensions, preliminary results*, CD-Abstracts, Simpozionul de Chimie, Zilele Academice Timisene, Ediția a X-a, 24-25 Mai 2007, ISBN: 978-973-52-0130-2.

Annex 2. List of patents for invention

- B1. **Albu Florentina Marilena**, Tsakiris V., Tardei Ch, Seitan C., *Procedeu de obtinere placa ceramica din materiale compozite pe baza de Si_3N_4/SiC* , Patent granted Nr. 128196, Decision no. 4/57 of 28.02.2017, (No OSIM file A / 00801 / 09.08.2011)
- B2. Tsakiris, E. Enescu, M. Lucaci, G. Alecu, **Fi. Albu**, M. Lungu, Fi. Grigore – *Procedeu de obtinere a unui material compozit pe baza de aluminiu cu nanoparticule de alumina* -Patent granted Nr. 128299, Decision no. 4/56 of 28.02.2017, awarded with the diploma of excellence and gold medal at the INTERNATIONAL INVENTION SALON PRO INVENT 2012, X-th edition, Cluj-Napoca, Romania, 27 - 30 March 2012
- B3. Christu Tardei, **Florentina Albu**, Georgeta Velciu, *Procedeu pentru obtinerea de granule ceramice microporoase pe baza de fosfati de calciu*, Patent granted Nr. 128210, Decision No. 3/37 of 30.06.2015, (application No A / 00786 / 04.08.2011)

Annex 3. National and international prizes

1. **Silver medal** - Christu Tardei, **Marilena Florentina Albu**, Georgeta Velciu, " *Procede pour obtenir des granules ceramiques pour la chirurgie reconstructive osseuse*", Geneva, April 12, 2013
2. **Silver medal** - Christu Târdei, **Albu Florentina Marilena**, Velciu Georgeta, " *Process for obtaining ceramic granules based macroporous calcium phosphate*", Eureka, Brussels, november 16, **2013**
3. **Diploma of Excellence and Gold Medal** - V. Tsakiris, E. Enescu, M. Lucaci, G. Alecu, **Fi. Albu**, M. Lungu, Fi. Grigore, *Procedeu de obtinere a unui material compozit pe baza de aluminiu cu nanoparticule de alumina* X-th Jubilee Edition of the International Research, Innovation and Invention Salon PRO INVENT 2012, Cluj-Napoca, Romania, 27-30 March 2012, Expo Transilvania Complex in Cluj-Napoca,