

**Europass  
Curriculum Vitae**

**Personal information**

First name(s) / Surname(s) **GABRIELA CRACIUN**  
Address(es) 32<sup>nd</sup> Selimbar street, Magurele, Ilfov, 077125  
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Nationality Romanian

Date of birth 1971, November 15

Gender female

**Work experience**

Dates **2001, May - prezent**  
Occupation or position held Senior research scientist III  
Main activities and responsibilities Research studies in the following fields:  
1. Research studies regarding interaction of ionizing radiations (accelerated electron beams) and non-ionizing (UV, microwaves) radiations with matter  
2. Research studies regarding the effects of ionizing and non-ionizing radiations on biological environments  
3. Research studies in the field of accelerated electron beams applications in materials processing  
4. Accelerated electron beams dosimetry using calorimeters, radiochromic films, alanine dosimeter, Fricke dosimeter, Cu-Fe dosimeter, ceric sulfate-cerous sulfate dosimeter  
5. Project manager in two research projects:  
    PNC DI II 71-055/2007 entitled „X, gamma, neutron radiation and alpha-beta monitoring system, with remote data transmission for radiological hazardous areas”  
    PN 06.36.05.01/2005 entitled “ Impaired food products sanitizing by accelerated electron beams and microwave modern methods”  
6. Project responsible from NILPRP in many research projects  
6. Database administrator of ionizing radiation monitoring system of NILPRP  
7. Collaborator to research project activities realization that took place in the work group  
8. Responsible for radiologic safety in NILPRP  
9. Scientific papers elaboration  
Name and address of employer National Institute for Lasers, Plasmas, and Radiation Physics, (NILPRP)  
Str. Atomistilor 409,O Box MG 36, 077125, Magurele Romania  
Type of business or sector Research and development  
Dates **2000, May - 2001, May**  
Occupation or position held Senior research scientist  
Main activities and responsibilities 1. Research studies in the field of accelerated electron beams applications in materials processing  
2. Accelerated electron beams chemical dosimetry using Fricke, Cu-Fe, ceric sulfate-cerous sulfate  
3. Collaborator to research project activities realization that took place in the work group  
4. Scientific papers elaboration  
Name and address of employer National Institute for Lasers, Plasmas, and Radiation Physics, (INFLPR)  
Str. Atomistilor 409,O Box MG 36, 077125, Magurele Romania  
Type of bussines or sector Research and development  
Dates **1998, December - 2000, May**  
Occupation or position held Research assistant  
Main activities and responsibilities Research studies in the field of accelerated electron beams applications in materials processing  
Name and address of employer National Institute for Lasers, Plasmas, and Radiation Physics, (INFLPR)  
Str. Atomistilor 409,O Box MG 36, 077125, Magurele Romania

Type of bussines or sector	Research and development
Dates	<b>1997, September - 1998, Julie</b>
Occupation or position held	Teacher of physics
Name and address of employer	Theoretical High School Baicoi
Type of bussines or sector	Education
<b>Education and training</b>	
Dates	<b>2010, November</b>
Title of qualification awarded	II <sup>nd</sup> level license to pursue authorized activities in the nuclear field, issued by CNCAN (716/2010)
Principal subjects/occupational skills covered	Radiation protection for charged particle accelerator facilities – level 2
Name and type of organisation providing education and training	Center for staff Training and Specialization in the Nuclear field, National Institute for Nuclear and Engineering “Horia Hulubei (IFIN – HH)”, Romania
Dates	<b>2008, June</b>
Title of qualification awarded	Certificate of competion
Principal subjects/occupational skills covered	Course and training on “Validation and Process Control for Electron Beam Sterilization” - Electron Beam dosimetry using the latest dosimetric systems
Name and type of organisation providing education and traning	Risø National Laboratory, Roskilde, Denmark
Dates	<b>2004, October – 2004, December</b>
Title of qualification awarded	Certificate of competion
Principal subjects/occupational skills covered	Neutron dosimetry
Name and type of organisation providing education and training	Institute of Plasma Physics and Laser Microfusion Training Center, Warsaw, Poland
Dates	<b>1999, December – 2004, February</b>
Title of qualification awarded	PhD
Principal subjects	Obtaining and characterization of polyelectrolyte made by accelerated electron beams and microwave irradiation. Application to wastewater treatment
Name and type of organization providing education and training	Faculty of Physics - Polymer Physics and Condensed Matter Physics, University of Bucharest, Romania
Dates	<b>2002, October</b>
Title of qualification awarded	Certificate of competion
Principal subjects/occupational skills covered	Plasma physics – experiments and diagnostic
Name and type of organisation providing education and traning	International school “High Current Plasma Experiments and Diagnostics-stage II”, Institute of Plasma Physics and Laser Microfusion Training Center, Warsaw, Poland
Dates	<b>2001, October</b>
Title of qualification awarded	Certificate of competion
Principal subjects/occupational skills covered	Plasma physics – experiments and diagnostic
Name and type of organisation providing education and traning	International school “High Current Plasma Experiments and Diagnostics-stage I”, Institute of Plasma Physics and Laser Microfusion Training Center, Warsaw, Poland
Dates	<b>1998 - 1999</b>
Title of qualification awarded	Master’s degree
Principal subjects	Polymer Physics
Dates	<b>1992 - 1997</b>
Title of qualification awarded	Physicist/Bachelor of Science
Principal subjects	Polymer Physics
Name and type of organization providing education and training	Faculty of Physics, University of Bucharest, Romania

**Personal skills and competences**

Mother tongue(s)

**Romanian**

Other language(s)

**English**Self-assessment  
European level (\*)

Understanding				Speaking				Writing	
Listening		Reading		Listening		Reading			
B2	Independent User	B2	Independent User	B2	Independent User	B2	Independent User	B2	Independent User

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

Social skills and competences

Ability to work in partnership and/or team people coordination; Very good communication skills; Ability to establish relationships with people; Ability to work under pressure

Organisational skills and competences

Experience in project and financial management

Computer skills and competences

Microsoft Office (Word, Excel, Power Point), Origin, Microsoft Access, Corel Draw,

**Additional information****Project manager**

PN II - PARTNERSHIPS in Strategic Fields 71-055/2007 entitled „X, gamma, neutron radiation and alpha-beta monitoring system, with remote data transmission for radiological hazardous areas” (2007-2010)

PN 06.36.05.01/2005 entitled “Sanitation of depreciated foods by modern methods with accelerated electrons and microwave” (2006-2009)

CEEX BIOTECH 34/2005 (project responsible from INFLPR), entitled “Development of biotechnology for the specific prophylaxis of IP produced by F.n. at ruminantas using electron beam and microwave” (2005-2008)

PNCI-BIOTECH 3307/2003 (project responsible from INFLPR): „Effects study of combined irradiation with accelerated electrons and microwaves on some products with food and therapeutic utilization,, (October 2003 – June 2005)

**Member in other national projects**

PN II-PARTNERSHIPS in Strategic Fields 21-025/2007: Increase of conversion performance of acidic gases from industrial gases by combined treatment with accelerated electrons and microwave (October 2008 – September 2010)

PN II-PARTNERSHIPS in Strategic Fields 61-9/2007: Immunological staging and monitoring in skin malignant melanoma – innovative methods of diagnosis (October 2008 – September 2010)

CEEX-VIASAN PC-D01-PT11-827/2005: Innovative therapies for treatment of some cancers by synergetic action of some bioactive compounds, accelerated electrons and microwave (October 2005 – September 2008)

CEEX-RELANSIN 55/2005: Removal of volatile organic compounds from gases by combined treatment: accelerated electrons and microwaves (October 2005 – September 2008)

CEEX-RELANSIN 54/2005: Development of methods for recovery of nanometric powders from industrial gases emissions (October 2005 – September 2008)

MATNANTECH 206(403)/2004: Synthesis of bio-gels for electrophoretic separation of serum proteins with application in diagnosis and therapy (October 2004 – September 2006)

NUCLEU-LAPLAS 03 – 17 05 01: Research of some new effects of combined interaction of accelerated electrons and microwaves with matter, having applications in environment protection and medicine (October 2003 – September 2005)

MATNANTECH C97(203)/2002: Biocompatible polyelectrolytes for potable water treatment, synthesized by irradiation with accelerated electrons and microwave (December 2002 – July 2004)

MENER 067/2001: Researches and development engineering in order to elaborate a modern technology for simultaneous retention of sulphur and nitrogen oxides using “cold plasmas” (December 2001 – July 2004)

MENER 066/2001: Researches and development for realization of an experimental model required to establish the simultaneous retention technology for sulphur and nitrogen oxides using microwaves and accelerated electrons (December 2001 – June 2004)

RELANSIN 1048/2001: Technology for retention of gaseous pollutants (NO<sub>x</sub>, SO<sub>2</sub> and CO<sub>2</sub>) from industrial gaseous (April 2001 – October 2002)