



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Rusu Bogdan-George**
Address(es) Bl. SB3, Et. 4, Ap. 13, B-dul. Dacia nr.14, 700424, Iasi, Romania
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E-mail grusu@plasma.uaic.ro, bogdan.rusu@uaic.ro
Nationality Romanian
Date of birth May 9, 1984
Gender Male

Work experience

Dates October 1, 2009 - present
Occupation or position held PhD student
Main activities and responsibilities Plasma polymerization DBD discharge at atmospheric pressure and study of protein adsorption on to different surfaces.
Name and address of employer Faculty of Physics, Alexandru Ioan Cuza University, 11Carol I Blvd, 700506, Iasi, Romania
Type of business or sector Education/Research

Education and training

Dates October 01, 2007 – June 30, 2009
Title of qualification awarded Master of Plasma Physic
Principal subjects/occupational skills covered Diploma Thesis - Analysis of biological molecules immobilized on polymeric surfaces
Name and type of organisation providing education and training Faculty of Physics, Alexandru Ioan Cuza University, 11Carol I Blvd, 700506, Iasi, Romania

Dates October 01, 2003 - June 30, 2007
Title of qualification awarded Bachelor in Physics
Principal subjects/occupational skills covered Diploma Thesis - Atomic Force Microscopy (AFM)
Name and type of organisation providing education and training Faculty of Physics, Alexandru Ioan Cuza University, 11Carol I Blvd, 700506, Iasi, Romania

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment

European level (*)

ENGLISH

FRENCH

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	B1	Independent user	B1	Independent user			B1	Independent user
A1	Basic User	B1	Independent user	A1	Basic User			A1	Basic User

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences

Good communication skills and good organisation skills.

Organisational skills and competences

Usually I was in the organising committee from the national conferences, international conferences and some summer schools.

Technical skills and competences

Experience with vacuum technology: mounting of vacuum chambers, handling of vacuum pumps, sensors and flow-meters.
 Experience in atomic force microscopy technique.
 Experience in contact angle technique.
 Experience in optical emission spectroscopy.
 Experience in mass spectrometry

Computer skills and competences

Very good knowledge of computer hardwares
 Good knowledge of Microcal Origin, Microsoft Office Tools

Publications:

1. A.S. Chiper, A.V. Nastuta, G.B. Rusu, G. Popa, '*On surface elementary processes and polymer surface modifications induced by double pulsed dielectric barrier discharge*', Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Vol. 267, Is. 2, p. 313-316, (2009);
2. A. Anghel, C. Porosnicu, M. Badulescu, I. Mustata, C.P. Lungu, K. Sugiyama, S. Lindig, K. Krieger, J. Roth, A. Nastuta, G. Rusu, G. Popa, '*Surface morphology influence on deuterium retention in beryllium films prepared by thermionic vacuum arc method*', Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Volume 267, Issue 2, Pages 426-429, (2009);
3. A. S. Chiper, G. B. Rusu, A. V. Nastuta and G. Popa, '*On the discharge parameters of a glow mode DBD at medium and atmospheric pressure*', IEEE TRANSACTIONS ON PLASMA SCIENCE, VOL. 37, NO. 10, OCTOBER 2009;
4. V. Tiron, C. Andrei, A. V. Nastuta, G. B. Rusu, C. Vitelaru and G. Popa, '*Carbon and Tungsten Sputtering in a Helium Magnetron Discharge*', IEEE TRANSACTIONS ON PLASMA SCIENCE, VOL. 37, NO. 8, AUGUST 2009
5. N. Iftimie, M. Crisan, A. Braileanu, D. Crisan, A. Nastuta, G. B. Rusu, P.D. Popa, D. Mardare, '*On the sensing gas properties of titanium dioxide films*', JOAM, Vol. 10, Is. 9, p. 2363-2366, (2008);
6. A. S. Chiper, A. V. Nastuta, G. B. Rusu, V. Pohoata, R. Cazan, G. Popa, '*Optical diagnosis of double discharges in pulsed DBD with different barrier materials*', JOAM, Vol. 10, Is. 8, p. 1976-1980, (2008);
7. A.V. Nastuta, G.B. Rusu, I. Topala, A.S. Chiper, G. Popa, '*Surface modifications of polymer induced by atmospheric DBD plasma in different configurations*', JOAM, Vol. 10, Is. 8, p. 2038-2042, (2008);
8. Ana Garlea, Viorel Melning, M. I. Popa, G Rusu., 'Entrapment of Tannic Acid in Chitosan Based Nanostructure Matrices', MATERIALE PLASTICE, Volume 45, Issue 3, pag: 193-197, 2008;
9. C. DANȚUȘ, G.B. RUSU, G.G. RUSU, P. GORLEY, '*On the structural characteristics of thermally oxidized CdO thin films*', JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Vol. 10, No. 11, November 2008, p. 2988 - 2992
10. A. S. Chiper, A. Nastuta, G. Rusu, G. Popa, '*Electrical characterisation of a double DBD in He at atmospheric pressure used for surface treatments*', JOAM, Vol. 9, Is. 9, p. 2926-2931, (2007).

Conferences

Oral presentations at national conferences : 2

Poster presentations at national and international conferences : 16