

Curriculum vitae			
Informații personale			
Nume / Prenume	POHOAȚĂ Valentin		
Titlu didactic	Lector		
Titlu științific/Data obtinerii/Instituitia	Doctor în fizică / august 2003 / Universitatea Al. I. Cuza		
Adresa	Bulevardul Carol I nr. 11		
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Cetățenia	Română		
Locul și Data nașterii	Hîrlău, județul Iași, 28.12.1973		
Locul de muncă actual / funcția	Universitatea Al. I. Cuza		
Experiența profesională/Pozitii didactice în învățământ/ Instituitia și perioada	Doctorand - decembrie 1999 – august 2003 - Universitatea Al. I. Cuza Iași Preparator, Lector, Universitatea Al. I. Cuza Iași februarie 2004 - prezent		
Limbi străine cunoscute	Engleza nivel B2		
Autoevaluare	Scris	Citit	Nivel conversational
Engleză	4	5	4
	1 – nivel minim; 5 – nivel avansat		
Competențe profesionale	Cursuri predate/Seminarii/Laboratoare Optică. Spectroscopie. Spectroscopie laser. Fizica laserelor. Aplicații Generatori cuantici. Metode optice și spectrometrice de analiză. Fizica plasmelor. Metode de achiziție și prelucrare a semnelor electrice		
Competențe și aptitudini organizatorice	Membru în comitetul de organizare de conferințe naționale și internaționale CPPA, CNF Participant la proiecte de promovare a universității – CIPO, Noaptea Cercetătorilor		
Activitatea didactică	Cursuri universitare predate (de preferință apropiate de specializarea de licență) Fizica laserelor. Aplicații Generatori cuantici. Metode optice și spectrometrice de analiză. Elemente de proiectare și desen tehnic. Metode de studiu a suprafețelor. Elemente de spectroscopie cu aplicații în criminalistică		
Specializări și calificări	-1 martie 1999 – 30 septembrie 1999 – Institut für Ionen Physik, Innsbruck Austria - 17 noiembrie 1999 – 28 decembrie 1999 – Institut für Ionen Physik, Innsbruck Austria - 20 iunie – 31 iulie – Jozef Stefan Institute, University of Ljubljana, Slovenia - 17 ianuarie 2002 – 14 iulie 2002 - Institut für Ionen Physik, Innsbruck Austria - 01 august 2003 – 30 sept. 2003 - Institut für Ionen Physik, Innsbruck Austria		

<p>Activitatea de cercetare stiintifica</p>	<p>a) Domenii de competenta/ numar de lucrari publicate Lucrări Publicate in: Reviste cotate ISI – 24 Reviste necotate ISI din străinătate – 1 Analele Universităților – 8 Volumele conferintelor internaționale – 33 Reviste naționale cu referenți – 6 Volumele unor conferințe naționale – 6</p> <p>Lucrări Comunicate la conferințe : Internaționale – 15 Naționale – 26</p> <p>b) Articole publicate in ultimii 2 ani.</p> <ol style="list-style-type: none"> 1. Roxana Jijie, Cristina Luca, Valentin Pohoata, and Ionut Topala "Effects of Atmospheric-Pressure Plasma Jet on Pepsin Structure and Function" <i>IEEE Trans. Plasma.</i>, 40 (11), 2980-2985 (2012) ISSN 0093-3813 2. Roxana Jijie, Valentin Pohoata, Ionut Topala „Thermal behavior of bovine serum albumin after exposure to barrier discharge helium plasma jet” <i>Applied Physics Letters</i> 101(14) 2012, 144103 (2012) ISSN 0003-6951 3. Mihai Asandulesa, Ionut Topala, Valentin Pohoata, Yves Marie Legrand, Marius Dobromir, Marian Totolin, Nicoleta Dumitrascu “Chemically Polymerization Mechanism of Aromatic Compounds under Atmospheric Pressure Plasma Conditions” <i>Plasma Process. Polym.</i> 2013, 10, 469–480 DOI: 10.1002/ppap.201200068 4. Andrei Vasile Nastuta, Valentin Pohoata, and Ionut Topala “Atmospheric pressure plasma jet—Living tissue interface: Electrical, optical, and spectral characterization” <i>J. Appl. Phys.</i> 113, 183302 (2013); doi: 10.1063/1.4804319 5. G.B. Rusu, M.Asandulesa, I.Topala, V.Pohoata, N.Dumitrascu, M.Barboiu „Atmospheric pressure plasma polymers fortunated QCM detection of protein adhesion” <i>Biosensors and Bioelectronics</i> 53(2014) 154–159 ISSN: 0956-5663 <p>c) Contracte de cercetare Membru in 14 contracte in perioada 2000 – 2013 din care in ultimii ani: PN-II–SANAM (no. 12114/01.10.2008) Partner UAIC <i>Acoustic microsensors based on magnetostrictive nanowires for medical applications</i> PN-II-ID-PCE-2011-3-0270 IDEI UAIC <i>Plasma functionalization of nanoscopic probes</i></p> <p>d) Citari ISI ale articolelor (excluzand autocitarile) / Numar citari 130 H index – 8</p>
<p>Alte activitati</p>	
<p>Anexă</p>	<p>Se anexeaza lista cu o selectie a articolelor stiintifice semnificative pentru domeniul de licenta, brevete de inventie, contracte de cercetare, carti, etc</p>

6 ianuarie 2014

Lect. Dr. Valentin POHOAȚĂ

ANEXA

C.. Articole publicate/în curs de publicare:

- C. 1 reviste cotate ISI – 24
- C. 2 Reviste necotate ISI din străinătate – 1
- C. 3.1 Analele Universităților – 8
- C. 4 Volumele conferintelor internaționale – 33
- C. 5. Reviste naționale cu referenți – 6
- C. 6 Volumele unor conferințe naționale – 6

C.1 Articole publicate în reviste cotate ISI

6. Roman Schrittwieser, Codrina Avram, Petru Balan, **Valentin Pohoata**, Cristina Stan, Mircea Sandulovicu “New insights into the formation of nonlinear space charge structures in various plasmas” *Physica Scripta*, vol. **T84**, 122-127, (2000), ISSN 0031-8949
7. R. Schrittwieser, C. Ionita, P.C. Balan, Jose A. Cabral, F.H. Figueiredo, **V. Pohoata**, C. Varandas, “Application of emissive probes for plasma potential measurements in fusion devices”. *Contrib. Plasma Phys.* **41**(5), 494 -503 (2001), ISSN 0863-1042
8. T.Gyergyek, M. Cercek, R. Schrittwieser, C. Ionita, G. Popa, **V. Pohoata** “Experimental Study of the Creation of a Fire-rod II: emissive probe measurements” *Contrib. Plasma Phys.* **43**(1), 11-24 (2003) ISSN 0863-1042 ISI 0.863/6=0.144
9. **Valentin Pohoată**, Gheorghe Popa, Roman Schrittwieser, Codrina Ioniță, Milan Čerček “On the properties and control of the anode double layer oscillations and related phenomena” *Phys. Rev. E.* **68**(1-2), 016405, (2003), ISSN 1539-3755
10. Alina S. Chiper, V. Anita, C. Agheorgiesei, **V. Pohoata**, Maria Anita, G. Popa, „ Spectroscopic diagnostics for a DBD plasma in He/Air and He/N₂ gas mixture”, *Plasma Process. Polym.*, **1**, 57-62, (2004), ISSN 1612-8850
11. G. Strat, E. Buruiana, T. Buruiana, **V. Pohoata**, M. Strat “Fluorescence properties of the polyurethane with anchored stilbene chromophore” *Journal of Otoelectronics and Advanced Materials* **7**(2), 925-928, (2005), ISSN 1454-4164
12. Emil C. Buruiana, Tinca Buruiana and **Valentin Pohoata** “Synthesis, properties and fluorescence quenching in a polycation based on polyetherurethane with pyrene fluorophore” *Journal of Photochemistry and Photobiology A: Chemistry*, **180**(1-2), 150-156, (2006), ISSN 1010-6030
13. V. Melnig, **V. Pohoata**, L. Obreja, A. Garlea, M. Cazacu, “Water-soluble polyamidhydroxyurethane swelling behaviour” *Journal of Otoelectronics and Advanced Materials*, **8**(3), 1040 – 1043, (2006), ISSN 1454-4164
14. Ionut Topala, Nicoleta Dumitrascu, **Valentin Pohoata**, “Influence of Plasma Treatments on the Hemocompatibility of PET and PET + TiO₂ Films” *Plasma Chem Plasma Process*, **27**(1), 95–112, (2007), ISSN 0272-4324
15. M. Dobromir, M. Neagu, G. Popa, H. Chiriac, **V. Pohoata**, C. Hison, „Surface and bulk magnetic behavior of Fe–Si–B amorphous thin films” *Journal of Magnetism and Magnetic Materials*, **316**(2), 904-907, (2007), ISSN 0304 – 8853
16. Emil C. Buruiana, Tinca Buruiana, Mirela Zamfir, **Valentin Pohoata** and Dan Donescu, „Elastomeric azo-polyurethanes containing fluorescent pyrene and their photo activity”, *Designed Monomers and Polymers*, **10**(4), 347-360, (2007), ISSN 1385-772X
17. M. Dobromir, M. Neagu, **V. Pohoata**, F. Borza, T. Meydan, T. A. Ovari, Gh. Popa, H. Chiriac „Magnetic properties of Fe-based amorphous thin films” *Journal of Otoelectronics and Advanced Materials* **10**(2), 410 – 412, (2008), ISSN 1454-4164
18. AS. 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” *Journal of Otoelectronics and Advanced Materials* **10**(4), 1976 – 1980, (2008), ISSN 1454-4164
19. T. Buruiana, E.C. Buruiana, V. Melinte, **V. Pohoata**, C. Prejmerean, M. Moldovan „New urethane dimethacrylates for testing in dental applications. Relational aspects in chemistry and photochemistry of composite materials” *Journal of Otoelectronics and Advanced Materials* **10**(4), 969 – 974, (2008), ISSN 1454-4164
20. Mihai Asandulesa, Ionut Topala, Valentin Pohoata, and Nicoleta Dumitrascu „Influence of operational parameters on plasma polymerization process at atmospheric pressure” *Journal of Applied Physics* **108**(9), 093310-6pages (2010) ISSN 0021-8979
21. Andrei Vasile Nastuta, Ionut Topala, Constantin Grigoras, Valentin Pohoata, Gheorghe Popa „Stimulation of wound healing by helium atmospheric pressure plasma treatment” *J. Phys. D: Appl. Phys.* **44** (2011) 105204 (9pp) ISSN 0022-3727
22. Catalin Vitelaru, **Valentin Pohoata**, Constantin Aniculaesei, Vasile Tiron, and Gheorghe Popa, “The break-down of hyperfine structure coupling induced by the Zeeman effect on aluminum $^2S_{1/2} \rightarrow ^2P_{1/2}$ transition, measured by tunable diode-laser induced fluorescence” *Journal of Applied Physics* **109** (8), 084911 (6pp) (2011) ISSN 0021-8979
23. Vasile Tiron, Marius Dobromir, **Valentin Pohoata**, Gheorghe Popa “Ion energy distribution in thermionic vacuum arc plasma” *IEEE Trans. Plasma.*, **39** (6), 1404-1407 (2011) ISSN 0093-3813
24. Diana Mardare, Valentin Nica, **Valentin Pohoata**, Dan Macovei, Nicoleta Gheorghe, Dumitru Luca, Cristian-Mihail Teodorescu “X-ray absorption fine structure investigations on heat-treated Cr-doped titania thin films” *Thin Solid Films*, **520**(4), 1348-1352 (2011), ISSN 0040-6090

25. Roxana Jijie, Cristina Luca, **Valentin Pohoata**, and Ionut Topala "Effects of Atmospheric-Pressure Plasma Jet on Pepsin Structure and Function" *IEEE Trans. Plasma.*, **40** (11), 2980-2985 (2012) ISSN 0093-3813
26. Roxana Jijie, **Valentin Pohoata**, Ionut Topala „Thermal behavior of bovine serum albumin after exposure to barrier discharge helium plasma jet" *Applied Physics Letters* **101**(14) 2012, 144103 (2012) ISSN 0003-6951
27. Mihai Asandulesa, Ionut Topala, **Valentin Pohoata**, Yves Marie Legrand, Marius Dobromir, Marian Totolin, Nicoleta Dumitrascu "Chemically Polymerization Mechanism of Aromatic Compounds under Atmospheric Pressure Plasma Conditions" *Plasma Process. Polym.* 2013, 10, 469–480 DOI: 10.1002/ppap.201200068
28. Andrei Vasile Nastuta, **Valentin Pohoata**, and Ionut Topala "Atmospheric pressure plasma jet—Living tissue interface: Electrical, optical, and spectral characterization" *J. Appl. Phys.* 113, 183302 (2013); doi: 10.1063/1.4804319
29. G.B. Rusu, M.Asandulesa, I.Topala, **V.Pohoata**, N.Dumitrascu, M.Barboiu „Atmospheric pressure plasma polymers fortunated QCM detection of protein adhesion" *Biosensors and Bioelectronics* 53(2014) 154–159 ISSN: 0956-5663

C.2 Articole publicate în reviste internaționale necotate ISI (cu referenți)

1. Mihaela Pascu, Cornelia Vasile, G. Popa, I. Mihaila, **V. Pohoata**, "Modification of Polymer Blends Properties by Plasma/Electron Beam Treatment. I. Plasma Diagnosis and Bulk Properties of Plasma Treated Blends" *International Journal of Polymeric Materials*, **51**(1/2), 181 – 192, (2002), ISSN 0091-4037

C.3 Articole publicate în Analele Universităților

1. **V. Pohoata**, I. Mihaila, M. Toma – The influence of secondary electrons on space charge structures in a d.c. glow discharge, *An. St. Univ. Iasi, T.XLVI, Fizica plasmei si spectroscopie*, p.209-212, 2000
2. I. Mihaila, **V. Pohoata**, M. Toma – Role of a nonuniform magnetic field on the generation and disruption of the space charge structures, *An. St. Univ. Iasi, Tomul.XLVI, Fizica plasmei si spectroscopie*, p.55-59, 2000
3. Cornelia Mircea, **V. Pohoata**, Gh. Singurel, Luminita Agoroaei, Claudia Butnaru, Elena Butnaru, "Analiza aflatoxinelor B2 și G2 prin spectrofluorometrie" *Revista de Medicina si Farmacie, Universitatea de Medicina si Farmacie Targu-Mures, 2004, vol. 50, pag. 256*
4. Cristina SÎRBU, Petronela CIMPOEȘU SADAGURSCHI, Lavinia CURECHERIU, Antonela MARELE, Catalina RADU, APETREI Radu, **POHOAȚĂ Valentin** And Diana MARDARE „O the optical properties of nitrogendoped TiO2 thin films " *ANALELE ȘTIINȚIFICE ALE UNIVERSITĂȚII „AL.I.CUZA" DIN IAȘI Tomul LI-LII, Fizica Stării Condensate, 2005-2006*
5. E.C. Buruiana, T. Buruiana, M. Olaru, M. Zamfir, **V. Pohoata** "Fluorescent polymers for sensor applications" *Studii și Cercetări Științifice, Seria Chimie și Inginerie Chimică, Biotehnologii, Tehnologii Alimentare, Univ. Bacău, vol. VII (1), 2006, pp. 141-150, ISSN 1582-540X (CNCSIS)*
6. Marius Dobromir, Cristian Ursu, Cătălin Agheorghiesei, **Valentin Pohoăță**, Gheorghe Popa, Maria Neagu, Nicoleta Lupu and Horia Chiriac, „Amorphous Magnetic Thin Films Obtained by Pulsed Laser Deposition" *The 5th international Conference on Global Research and Education, Supliment al Analele Științifice ale Universității „Al. I. Cuza" Iași, vol 2, p. 633-641, 2006.*
7. E.V. Buta, P. Pascariu, F. Prihor, L. Vlad, **V. Pohoăță**, R. Apetrei, D. Luca, A. Nastuță, I. Alupoaei, D. Mardare, „Characterization Of Sputtered Tio2 Thin Films" *Analele Științifice Ale Universității "AL. I. CUZA" IAȘI, Tomul IV, s. Biofizică, Fizică medicală și Fizica mediului 2008*
8. Claudia Nădejde, **Valentin Pohoăță**, Dorina E. Creangă, Dana O. Dorohoi „Spectral study on the solvent influence upon a fluorescent molecule – chlortetracycline" *Annals of "Dunarea de Jos" University of Galati Mathematics, Physics, Theoretical Mechanics Fascicle II, Year II (xxxIII) 2010, no.1 pp. 5-12, ISSN 1221-4531*

C.4 Articole publicate în Volumele unor conferințe internaționale

1. I.Mihăilă, **V. Pohoăță**, M. Toma – "About the correlation among discharge current versus magnetic field characteristic and self-organised space charge structures in gas discharge plasma", *The XXIVth International Conference on Phenomena in Ionized Gases*, July, 11-16, 1999, Warsaw, Poland, VOL III, PROCEEDINGS Pages: 7-8
2. **V. Pohoata**, Ioana Alexandra Rusu, I. Mihaila, M. Toma "Analysis of low-frequency self-sustained oscillations in low-temperature plasma created by an electron beam injection" *XXIVth International Conference on Phenomena in Ionized Gases*, July 1999, Warsaw, Poland, VOL IV, PROCEEDINGS Pages: 137-138
3. Mihaela Pascu, Gh. Popa, I. Mihaila, **V. Pohoata**, "Modifications of polymer properties by treatment in an argon plasma. I. Plasma diagnosis and bulk properties", *Proceedings 14-th International Symposium on Plasma Chemistry, Volume IV, Edited by: M. Hrabovsky, M. Konrad and V. Kopecky, Institute of Plasma Physics Academy of Sciences of the Czech Republic, pp. 1871-1876, 1999.*
4. **V. Pohoata**, M. Cercek, R. Schrittwieser, G. Popa "Anodic double layer oscillations as a source for ion-acoustic waves" *XXVII-th Europhysics Conference on Plasma Physics and Controlled Fusion, Budapest, 11-15 juin 2000, Abstracts of Invited and Contributed Papers, 1296-1299(2000)*
5. Codrina Avram, Petru C. Balan, Jos A. Cabral, Fernando H. Figueiredo, **Valentin Pohoata**, Roman Schrittwieser, Carlos Varandes "Plasma potential measurements in the edge plasma region of a small tokamak by means of electron emissive probes" *XXVII-th Europhysics Conference on Plasma Physics and Controlled Fusion, Budapest, 11-15 juin 2000, Abstracts of Invited and Contributed Papers, Vol 24B p. 828-831 (2000)*

6. R. Schrittwieser, C. Ionita, P.C. Balan, J.A. Cabral, F.H. Figueiredo, **V.Pohoata**, C. Varandas, "Application of emissive probes for plasma potential measurements in a fusion device" 4-th International Workshop on Electrical Probes in Magnetized Plasmas, Berlin, Germany, May 30-31 2000, CONTRIBUTIONS TO PLASMA PHYSICS VOLUME: 41 ISSUE: 5 PAGES: 494-503 PUBLISHED: 2001
7. R. Schrittwieser, J. Adamek, P. Balan, M. Hron, C. Ionita, K. Jakubaka, L. Krystaka, E. Martines, **V. Pohoata**, J. Stockel, M. Tichy, G. Van Oost, "Measurements of the plasma potential with emissive probe in the CASTOR Tokamak", XXV-th ICPIG, Nagoya – Japan, 2001
8. R. Schrittwieser, J. Adamek, P. Balan, M. Hron, C. Ionita, K. Jakubaka, L. Krystaka, E. Martines, **V. Pohoata**, J. Stockel, M. Tichy, G. Van Oost, "Plasma potential measurements with emissive probes in the CASTOR Tokamak" 28 EPS conference on Contr. Fusion and Plasma Phys. Vol. **25A** p. 409-412, 2001, Madeira, Portugal.
9. **V. Pohoata**, Gh. Popa, R. Schrittwieser, Codrina Ionita, P. C. Balan "A new method of controlling fireball oscillations" 16th European Conference on Atomic and Molecular Physics of Ionised Gases – ESCAMPIG16, Grenoble, France July 2002
10. **Valentin POHOATĂ**, Gheorghe POPA, Roman SCHRITTWIESER and Codrina IONIȚĂ, "Electronic circuits during oscillations of an anode double layer", XXVIth International Conference on Phenomena in Ionized Gases ICPIG 2003 July 15-20 Greifswald Germany, Vol IV. Pag 155.
11. E. Lozneau, **V. Pohoata**, S. Popescu, M. Sanduloviciu, Self-organization acting as physical basis for stimulation of oscillations in plasma devices. XXVIth International Conference on Phenomena in Ionized Gases ICPIG 2003 July 15-20 Greifswald Germany, Vol IV. Pag 193.
12. *I.Topala, N. Dumitrascu, R. Nistor, V. Pohoata, G. Popa, - Homocompatibility of PA-6 surfaces treated by dielectric barrier discharge, XV-th Inter. Conf. on Gas Discharge and Their Appl. - GD Toulouse September 2004, Conf. Proceedings, vol II, 1105-1108*
13. M. Strat, **V. Pohoata**, T.Buruiana, E. Buruiana, G.Strat, G.Singurel, "Fluorescence quenching of the interaction of some pyrene-polyurethanes with quincher as nitrobenzene type" 7-th International Conference on Physics of Advanced Materials, Iasi, June 10-12, 2004
14. A.S. Chiper, C. Costin, **V. Pohoata**, C. Agheorghiesei, G. Popa - "On the peak current of a glow mode barrier discharge", 4th International Conference on Global Research and Education, Inter-Academia 2005, Wuppertal, Germania, 19-22 September, 2005, Proceedings, vol.1, p.259-268
15. A.S. Chiper, C. Costin, **V. Pohoata**, C. Agheorghiesei, G. Popa - "On increasing time of the peak current for a glow mode barrier discharge", Proceedings of XXVIIth International Conference on Phenomena in Ionised Gases - ICPIG, Eindhoven, The Netherlands, 18-22 July, 2005, 4 pagini pe CD, codul lucrării: 04-395
16. I.Topala, N.Dumitrascu, **V.Pohoata**, G.Popa "Dielectric Barrier Discharge Treatments of Polymer Surfaces for Medical Applications" Poster Sesion on 19-th European Conference on Biomaterials, ESB2005, September Sorrento, Italy, Conference CD: P379-520, (2005).
17. C. Ursu, M. Dobromir, R. Cazan, **V. Pohoata**, M. Neagu, H. Chiriac, G. Popa "Laser ablation of Fe-based amorphous thin films" 18th European Conference on Atomic and Molecular Physics in Ionized Gases – ESCAMPIG18, July 12-16 2006, pp.505-506, Lecce, Italy
18. A.S. Chiper, **V. Pohoata**, G. Popa „Electrical and spectral diagnosis of the secondary discharge of the glow mode-DBD" 18th European Conference on Atomic and Molecular Physics in Ionized Gases– ESCAMPIG18, July 12-16 2006, pp.379-380, Lecce, Italy
19. N. Dumitrascu, G. Borcia, **V. Pohoata**, I. Topala, M. Asandulesa, „Wood treatment by DBD plasma" 18th European Conference on Atomic and Molecular Physics in Ionized Gases – ESCAMPIG18, July 12-16 2006, Lecce, Italy Europhysics Conference Abstracts, vol. 30G, pg.475-476, published by European Physical Society, ISBN 2-914771-38-X
20. Emil C. BURUIANA, Tinca BURUIANA, Mirela ZAMFIR, Mihaela OLARU, **Valentin POHOATA** "Polymeres fluorescents pour applications a sensors" 4^{eme} Colloque Franco-Roumain de Chimie Appliquée, 28.06.-1.07 2006, Clermont-Ferrand, Franta (COFrRoCa)
21. Tinca BURUIANA, Emil C. BURUIANA, Lenuta HAHUI, **Valentin POHOATA**, Aurora COLCERIU, Marioara MOLDOVAN "Diacrylates photopolymerisable pour application en stomatologie " 4^{eme} Colloque Franco-Roumain de Chimie Appliquée, 28.06.-2.07 2006, Clermont-Ferrand, Franta
22. Dumitrascu, N. Borcia, G. Pohoata, V. Topala, I. Asandulesa, M. „Wood treatment by dbd plasma" *Europhysics Conference Abstracts ECA*, **30(G)**, 475-476, (2006), ISSN0378-2271
23. Chiper, A. S. Pohoata, V. Popa, G. „Electrical and spectral diagnosis of the secondary discharge of the glow mode-DBD" *Europhysics Conference Abstracts ECA*, **30(G)**, 379-380, (2006), ISSN0378-2271
24. M. Dobromir, C. Ursu, C. Aghiorghiesei, **V. Pohoata**, G. Popa, M. Neagu, Nicoleta Lupu, H. Chiriac "Amorphous Magnetic Thin Films Obtained by Pulsed Laser Ablation. Optical and Magneto-Optical Properties" The 5-th annual International Conference on Global Research and Education (inter-Academia), September 25-28, 2006, pp.633-639 Iasi, Romania
25. I.Topala, N. Dumitrascu, **V. Pohoata**, G. Popa, „Hemocompatibility of the PET Films Modified by DBD Treatments" 20th European Conference on Biomaterials, ESB2006, 27.9.-1.10.2006, Nantes, France

26. Ursu, C. Dobromir, M. Cazan, R. Pohoata, V. Neagu, M. Chiriac, H. Popa, G. „Laser ablation of Fe-based amorphous thin films” *Europhysics Conference Abstracts ECA*, **30**(G), 505-506, (2006), ISSN0378-2271
27. A.S.Chiper, R. Cazan, **V. Pohoata**, G. Popa “Temporal and spatial evolution of the reactive species in a pulsed-DBD in He” the XXVIII Intern. Conf. On Phenomena In Ionized Gases **ICPIG 2007**, 15-20 July 2007, Prague Czech Republic
28. I.Topala, N. Dumitrascu and **V. Pohoata** “Wetting process dynamics on wood samples treated by DBD” The 18th Intern. Symposium on Plasma Chemistry **ISPC18**, August 26-31st, 2007 Kyoto, Japan
29. A.S.Chiper, I.Topala, V.Pohoata, G.B.Rusu, A.V.Nastuta, and G.Popa, “Time-space distribution on the excited species in a double DBD in He” 6th International Conference on Global Research and Education, Inter-Academia September 2007, pp. 712-721, Hamamatsu, Japan
30. Marius DOBROMIR, Maria NEAGU, Valentin POHOATA, Gheorghe POPA and Horia CHIRIAC, “Magnetic properties of Fe-Si-B-C amorphous thin films obtained by pulsed laser” 6th International Conference on Global Research and Education, Inter-Academia September 2007, pp. 782-785, Hamamatsu, Japan
31. A. V. Nastuta, I. Topala, V. Pohoata, G. Popa “Optical diagnosis of an atmospheric pressure plasma source used for acceleration of wound healing process” 9th International Conference on Global Research and Education (Inter-Academia 9), 9-12 August 2010, Riga, Latvia, pp.27-28
32. Diana Mardare, Valentin Nica, Valentin Pohoata, Dan Macovei, Dumitru Luca and Cristian-Mihail Teodorescu “X-ray absorption fine structure investigations on heat-treated Cr-doped titania thin films” 3rd International Symposium on Transparent Conductive Materials, 17 - 21 October 2010 Analipsi / Hersonissos, Crete, Greece
33. Vasile Tiron, Valentin Pohoata, Catalin Vitelaru, Gheorghe Popa „Investigation Of Zeeman Effect By Tunable Diodelaser Spectroscopy” 20th European Conference on Atomic and Molecular Physics of Ionised Gases -ESCAMPIG, 13-17 July 2010, Novi Sad, Serbia

C.5 Articole publicate în Reviste naționale cu referenți

1. Gabriela Ciobanu, A. Rotaru, **V. Pohoata**, G. Singurel, - Fluorescence determination of Indolizine's Derivatives - Revista V. Adamachi, Vol. XII, Nr 1-4, Pag. 144, 2004
2. Irina Trifanov, Diana Ciolacu, Cornelia Vasile, **V. Pohoata**, G. Singurel, - The study of drug release-controlled systems using UV-VIS spectroscopy - Revista V. Adamachi, Vol. XII, Nr 1-4, Pag. 147, 2004
3. Ana Garlea, **V. Pohoata**, G. Singurel, V. Melnig, - Fluorescence anisotropy characterization of polymers- , Revista V. Adamachi, Vol. XII, Nr 1-4, Pag. 153, 2004
4. Mihai Asandulesa, Ionut Topala, **Valentin Pohoata**, „Plasma polymerization of butanediol monoacrylate, Fizica si Tehnologiile Educationale Moderne (FTEM 36), Iasi, Revista Stiintifica V. Adamachi, Vol. XVI, Nr.1 (Serie noua), pg. 134-135, ianuarie-mai 2007, ISSN 1221-9363
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D. Lucrări comunicate la conferințe

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Naționale – 26

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