


Curriculum Vitae

Personal information

	Surname(s) / First name(s) Nationality E-mail	Virginia DINCĂ-BĂLAN Romanian vdinca@univ-ovidius.ro
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Work experience

Dates: Name and address of employer: Type of business:	01.10.2015 – present “Ovidius” University of Constanta, Department of Plasma Physics Mamaia Ave. , No. 124, 900527, Constanta, Romania Lecturer: Biophysics and Medical Physics
Dates: Name and address of employer: Type of business:	08.09.2008 – present “Ovidius” University of Constanta, Department of Plasma Physics Mamaia Ave. , No. 124, 900527, Constanta, Romania Postdoctoral Researcher
Dates: Name and address of employer: Type of business:	10.01.2006 – 01.10.2011 “Ovidius” University of Constanta, Department of Plasma Physics Mamaia Ave. , No. 124, 900527, Constanta, Romania Research Assistant
Dates: Name and address of employer: Type of business:	01.10.2012 – 01.03.2013; 01.10.2013 – 01.03.2014, 01.10.2014 – 01.03.2015 “Ovidius” University of Constanta, Medical Faculty, Mamaia Ave. , No. 124, 900527, Constanta, Romania Biophysics Laboratory Teacher
Dates: Name and address of employer: Type of business:	2013-2014 “Ovidius” University of Constanta, Department of Physics and Electronics, Applied Science Faculty, Constanta, Romania, Mamaia Ave., No. 124, 900527, <i>Lectures: Medical signals interpretation and medical devices</i>

Education and training

Dates: Title of qualification awarded: Name and type of organization providing education and training:	2002-2006 Physician –License Diploma “Ovidius” University of Constanta, Faculty of Physics, Chemistry, Electronics and Petrol Technology
Dates: Title of qualification awarded: Name and type of organization providing education and training:	2006-2007 Master Diploma Master classes at “Ovidius” University of Constanta, on “Condensed Matter Physics and Nanostructured Systems”

Dates:	2007-2010 08.11.2011
Title of qualification awarded: Name and type of organization providing education and training:	Doctor in Condensed Matter Physics PhD school at Physics Faculty from Bucharest University Romania
Dates:	01.10.2014 -
Title of qualification awarded: Name and type of organization providing education and training:	Master Diploma Medical Physics Master classes at Physics Faculty from Bucharest University, Romania

Internationals Grants (Scholarships in the frame of CEEPUS program):

Dates/ Grant: Name and type of organisation providing education and training:	March- April 2006 /CEEPUS CII-AT-0063-01-0506-M-3043, “Jozef Stefan” Institute, University of Ljubljana, Faculty of Electrical Engineering, Slovenia, where I worked in determining the simulated plasma parameters by means of a computer program.
Dates/ Grant: Name and type of organisation providing education and training:	July – September 2006 /CEEPUS CII-AT-0063-01-0506-M- 3207 Masaryk University of Brno, Czech, Department of Physical Electronics, where I could carry out mechanical characterization of carbon thin film and free surface evaluation of thin films, dealing with modern equipment from these laboratories.
Dates/ Grant: Name and type of organisation providing education and training:	July – August 2007 /CEEPUS CII-AT-0063-02-0607-M-11720 „Charles” University, Prague, Czech where I performed some of the experiments suitable for my diploma work and being a student, I paid a high attention to the experimental area and to the theoretical concepts.
Dates/ Grant: Name and type of organisation providing education and training:	Mai 2009 – CEEPUS CII-AT-0063-04-0809-M-29005 Institute for Ion Physics and Applied Physics, Leopold-Franzens University of Innsbruck, Austria, during my staying I achieved laboratory experience participating at the experiments on plasma diagnostic with electron-emissive probes.
Dates/ Grant: Name and type of organisation providing education and training:	November – December 2009 – CEEPUS CII-AT-0063-05-0910- M-33600 January 2010 – CEEPUS CII-AT-0063-05-0910-M-37799 - „Charles” University, Prague, Czech, This experience was about the study of plasma diagnostics by Langmuir probe and data recording device for diagnostic plasma parameters in powerful Thermionic Vacuum Arc (TVA) plasma.

Research activity

Name and type of organisation providing education and training::	National Institute of Optoelectronics INOE 2000, Bucharest, Romania
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Dates:	April 2007 & October 2007
Name and type of organisation providing education and training:	„Osmangazi” University, Eskisehir – Turkey
Dates:	- 30.10 – 04.11.
Name and type of organisation providing education and training::	Masaryk University of Brno, Czech, Department of Physical Electronics
Dates:	27.11 – 01.12.2007 31.08 – 11.09.2008 01.11 – 15.12.2010

Member in national projects:

1. TEHMEC 237/2006
 2. NANOSTRUPLE CEEEX 106/2006
 3. CARBOCOMP Program CERES 6-11-67/26.07.2006
 4. MATFEROMEM – 93/2006
 5. GCARBTVA 754 / 2007
 6. CAPACIF 72-223/2008
 7. CREATIF 160/2012
 8. LTVA 78/2012
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List of publications

Papers published in ISI journals:

1. “Surface energy evaluation of unhydrogenated DLC thin Film deposited by Thermionic Vacuum Arc (TVA) method”, R. Vladoiu, **V. Dinca**, G. Musa, Eur. Phys. J. D 54, p. 433–437 (Aug 2009) *corresponding author*
2. “Influence of the operational parameters on the wettability of the DLC films deposited by TVA method”, R. Vladoiu, V. Ciupina, **V. Dinca**, G. Musa, Chem. Listy. 102, special Issue IS, p. S1463-S1466 (2008)
3. „Preliminary results on comparative study of three methods for nanocarbon films depositions: Thermionic Vacuum Arc, Magnetron sputtering and Cathodic Arc”, R. Vladoiu, V. Ciupina, A. Mandes, **V. Dinca**, M. Contulov, G. Prodan, G. Musa, J Optoelectron Adv M, vol. 10, no 3, p. 723-726 (Mar 2008)
4. “Reports on the M-effect – general character and explanation of the involved elementary processes”, G. Musa, R. Vladoiu, M. Contulov, **V. Dinca**, Romanian Reports in Physics, Vol. 60, No. 3, p 627-634, (2008)
5. “Structure and tribological properties of carbon based nanocomposites grown by TVA method”, R. Vladoiu, V. Ciupina, M. Contulov, A. Mandes, **V. Dinca**, G. Prodan, C.P. Lungu, JOAM vol. 12, no. 3, p. 553-556, march 2010
6. “Synthesis and characterization of some carbon based nanostructures”, V. Ciupina, I. Morjan, R. Alexandrescu, F. V. Dumitrache, G. Prodan, C.P.Lungu, R. Vladoiu, I. Mustata, V. Zarovschi, J. Sullivan, S. Saied, E. Vasile, I. M. Oancea-Stanescu, M. Prodan, D. Manole, A. Mandes, **V. Dinca**, M. Contulov, Proc. Of SPIE Optics & Photonics, vol. 7764, p. 77640O1-

7764009, 2010

7. "Growth and characteristics of tantalum oxide thin films deposited using Thermionic Vacuum Arc (TVA) technology", R. Vladoiu, V. Ciupina, A. Mandes, **V. Dinca**, M. Prodan, G. Musa, *Journal of Applied Physics* 108, 093301, nov 2010

8. "Synthesis and characterization of some Carbon based nanostructures" V. Ciupina, J. Sullivan, S. Saied, R. Vladoiu, G. Prodan, I. M. Oancea -Stanescu, A. Mandes, M. Contulov, **V. Dinca**, M. Prodan, D. Manole, *Contrib. Plasma Phys.* Volume: 51 Issue: 6 (2011) P546-553

9. "Electron microscopy characterization of some carbon based nanostructures with application in divertors coatings from fusion reactor ", V. Ciupina, I. Morjan, C. P. Lungu, R. Vladoiu, G. Prodan, M. Prodan, V. Zarovschi, C. Porosnicu, I. M. Stanescu, M. Contulov, A. Mandes, **V. Dinca**, K. Sugiyama, *Nanostructured thin films IV*, Book Series: Proceedings of SPIE, vol. 8104, art. nr. 810411 (2011); doi:10.1117/12.892198

10. "HRTEM images of a-C:H thin films deposited by G-TVA technique", R. Vladoiu, V. Ciupina, M. Contulov, A. Mandes, **V. Dinca**, M. Prodan, *IEEE Transactions on Plasma Science*, vol. 39, no. 11, p. 2802, 2011

11. "Synthesis and Characterization of Nanostructured a-C:H (Hydrogenated Amorphous Carbon) Thin Films by Gaseous Thermionic Vacuum Arc (G-TVA) Deposition Technique", Rodica Vladoiu, Victor Ciupina, Mirela Contulov, **Virginia Dinca**, Aurelia Mandes, Vilma Bursikova. *Plasma Chemistry And Plasma Processing*, vol. 32, Issue 2, p. 219 – 229, Apr 2012, DOI 10.1007/s11090-011-9344-x

12. „Tribological properties of carbon-tungsten nanocomposites synthesized by thermionic vacuum arc (TVA) method", R. Vladoiu , V. Ciupina, A. Mandes, M. Contulov , **V. Dinca**, P . Popov , C.P. Lungu, *Romanian Reports in Physics*, Vol. 63, Issue: 4, p. 1053-1060, 2011

13. "Characterization of Nanostructured TiC Thin Films Synthesized by TVA (Thermionic Vacuum Arc) Method", Victor Ciupina, Rodica Vladoiu, Petrica Popov, **Virginia Dinca**, Mirela Contulov, Aurelia Mandes, Cristian Petrica Lungu, *J. Mater. Sci. Eng. A* Vol. 2, No. 1, p. 16-21, Jan. 2012

14. "Investigation of the SiC thin films synthesized by Thermionic Vacuum Method (TVA)", V. Ciupina; R. Vladoiu; C. Lungu; **V. Dinca**; M. Contulov; A. Mandes; P. Popov; G. Prodan, *Eur. Phys. J. D*, Vol. 66, Issue 4, APR 2012, DOI 10.1140/epjd/e2012-20470-5

15. „Application of carbon-aluminum nanostructures in divertors coatings from fusion reactor", V. Ciupina, C. P. Lungu, R. Vladoiu, T-D. Epure, G. Prodan, C. Porosnicu, M. Prodan, I. M. Stanescu, M. Contulov, A. Mandes, **V. Dinca**, V. Zarovschi, *Proceedings of SPIE, Nanostructured Thin Films V*, Vol. 8465, 846508, 2012

16. "Application of carbon-tungsten, carbon-beryllium and carbon-aluminium nanostructures in divertors coatings from fusion reactor", V Ciupina, I Morjan, R Vladoiu, CP Lungu, C Porosnicu, I Jepu, G Prodan, IM Stanescu, A Mandes, M Contulov, **V Dinca**, M Prodan, V Nicolescu, *JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS*, Vol. 15, Issue: 11-12, p. 1450-1456, Nov-Dec 2013

17. „SiC multi-layer protective coating on carbon obtained by thermionic vacuum arc method", V. Ciupina, C. P. Lungu, R. Vladoiu, T-D. Epure, G. Prodan, C. Rosca, C. Porosnicu, I Jepu, M. Belc, M. Prodan, I. M. Stanescu, C. Stefanov, M. Contulov, A. Mandes, **V. Dinca**, E. Vasile, V. Zarovschi, *Proceedings of SPIE, Nanostructured Thin Films VI*, Vol. 8818, UNSP 881807, DOI: 10.1117/12.2024018, 2013

18. “Binary C-Ag Plasma Breakdown and Structural Characterization of the deposited thin films by Thermionic Vacuum Arc (TVA) method”, A. Mandes, R. Vladoiu, **V. Dinca**, G. Prodan, IEEE Transactions on Plasma Science, Vol. 42 - Issue 10 (2014) pp 2806 – 2807

19. „The effect of the substrate temperature and the acceleration potential drop on the structural and physical properties of SiC thin films deposited by TVA method”, V. Ciupinã, C.P. Lungu, R. Vlădoiu, G. Prodan, S. Antohe, C.P. Poroșnicu, I.M. Stanescu, I. Jepu, S. Iftimie, M. Prodan, A. Mandes, **V. Dinca**, E.Vasile, V. Zarovski, V. Nicolescu, Proc. Of SPIE - Nanostructured Thin Films VI, Vol. 9172, (2014) pp 91720y1-91720y9 doi: 10.1117/12.2061186

Papers published in other journals:

1. “Surface Activation of the Polycarbonate in Atmospheric Pressure Plasma Generated in Air and Helium by Surface Dielectric Barrier Discharge (SDBD)”, **DINCA Virginia**, VLADOIU Rodica, CONTULOV Mirela, CERNAK Mirko, Advanced Materials Research Vols. 816-817 (2013) pp 28-32

2. “Growth and Characterization of the High Purity C-Mg Thin Films Obtained by Thermionic Vacuum Arc (TVA) Technology”, MANDES Aurelia, VLADOIU Rodica, **DINCA Virginia**, Prodan Gabriel, Advanced Materials Research Vols. 816-817 (2013) pp 106-110

3. Investigation of Composition-Properties’ Relations on Silicon and Carbon Based Nanomaterials, VLADOIU Rodica, MANDES Aurelia, CONTULOV Mirela, **DINCA Virginia**, Porosnicu Corneliu, Advanced Materials Research Vols. 816-817 (2013) pp 232-236

Books/ Laboratory notebooks

1. „Biofizica medicala – caiet de lucrari practice”, M. Vasile, O. Teren, L.C. Petcu, T. L. Hangan, **V. Dinca**, T. Beiu, P. Ionescu, Ovidius University Press Constanta, ISBN 978-973-614-800-2, 2013

Chapter in books

1. “Investigation of DLC and multilayer coatings hydrophobic character for biomedical applications”, R. Vladoiu, A. Mandes, **V. Dinca**, M. Contulov, V. Ciupina, C.P.Lungu, G. Musa, “New Industrial Plasma Technology” **Ed. Wiley -VCH**, 2010 pp. 357-365 –ISBN-13: 978-3-527-32544-3

2. “DLC Thin Films Growth in Thermionic Vacuum Arc Technologies: TVA and GTVA”, Rodica Vladoiu, Victor Ciupina, Mirela Contulov, Virginia Dinca, Aurelia Mandes, Madalina Prodan, “Diamond-Like Carbon Films”, **NOVA Publisher**, 2011

Invited papers at national / international conferences:

1. „Complex characterization of the DLC deposited by TVA method”, R. Vladoiu, V. Ciupina, **V. Dinca**, G. Musa, IBWAP 2008, Constanta, Romania, July 7-9 2008

2. “Substrate’s influence on the interface properties of the nanocarbon films deposited by Thermionic Vacuum Arc (TVA) method”, R. Vladoiu, V. Ciupina, M. Contulov, **V. Dinca**, A. Mandes, G. Musa, 10th IBWAP, Constanta, Romania, July 6-8 2009

3. „Carbon based nanostructures: synthesis and characterization”, V. Ciupina, I.Morjan, R. Alexandrescu, F. Dumitrache, G. Prodan, C.P. Lungu, R.Vladoiu, I. Mustata, V. Zarovschi, J.

Sullivan, S. Saied, E. Vasile, I. M. Oancea-Stanescu, M. Prodan, D. Manole, A. Mandes, **V. Dinca**, M. Contulov, IBWAP, Constanta, Romania, 6-8 July 2009

4. "Investigation of the carbon based nanocomposites obtained by two guns configuration of Thermionic Vacuum Arc (TVA) method", R. Vladoiu, V. Ciupina, M. Contulov, **V. Dinca**, C. P. Lungu, ROCAM Brasov, Romania, 25-28.07.2009

5. "Characterization of the tantalum oxide thin films deposited by Thermionic Vacuum Arc (TVA) method", R. Vladoiu, V. Ciupina, A. Mandes, **V. Dinca**, G. Musa, Department of Physics, Ovidius University, 124 Mamaia Av., 900527 Constanța, Romania, ROCAM Brasov, Romania, 25-28.07.2009

6. "Properties of the nanostructured carbon thin films deposited by G-TVA method in methane plasma", R. Vladoiu, V. Ciupina, M. Contulov, A. Mandes, **V. Dinca**, M. Prodan, IBWAP 2010, Constanta, Romania, July 7-9, (2010)

7. "Applications of the nanometer scaled carbon based thin films deposited by TVA technology", R. Vladoiu, V. Ciupina, **V. Dinca**, M. Contulov, A. Mandes, C.P. Lungu, 18th Symposium on Application of Plasma Processes, Vrátna, Malá Fatra, Slovakia, 15.-20.01.2011

8. "Nanometer-scaled thin films obtained by TVA technology in different configurations for specific applications", Rodica VLADOIU, Victor CIUPINA, Mirela CONTULOV, **Virginia DINCA**, Aurelia MANDES, Cristian Petrica LUNGU, 12th International Balkan Workshop on Applied Physics, Constanta, Romania, July 6-8, 2011

9. "Application of carbon-aluminum nanostructures in divertor coatings from fusion reactor", V. Ciupina, C.P. Lungu, R. Vladoiu, D. T. Epure, G. Prodan, C. Porosnicu, M. Prodan, I. M. Stanescu, M. Contulov, A. Mandes, **V. Dinca**, V. Zarovschi, SPIE - Nanostructured Thin Films VI, San Diego, California, USA (2012)

10. "SiC multi-layer protective coating on carbon obtained by Thermionic Vacuum Arc method", V. Ciupina, C. P. Lungu, R. Vladoiu, D. T. Epure, G. Prodan, C. Porosnicu, I. Jepu, M. Belc, M. Prodan, C. Rosca, I. M. Stanescu, C. Stefanov, M. Contulov, A. Mandes, **V. Dinca**, E. Vasile, V. Zaroschi, V. Nicolescu, SPIE - Nanostructured Thin Films VI, San Diego, California, USA (2013)

11. "The effect of the substrate temperature and the acceleration potential drop on the structural and physical properties of SiC thin films deposited by TVA method", V.Ciupină, G.Prodan, R.Vlădoiu, C. Porosnicu, E.Vasile, C.P.Lungu, M.Belc, I.M.Oancea-Stanescu, V.Dinca, A.Mandes, V.Nicolescu, 2-4 Iulie 2014 IBWAP, Constanta, Romania

12. „Complex study of binary nanocomposites deposited by thermionic vacuum Arc (TVA) technology”, R Vladoiu, A Mandes, V Dinca, 2-4 Iulie 2014 IBWAP, Constanta, Romania

Papers presented at national / international conferences as posters and oral presentations:

1. „Determination of the surface free energy of the DLC deposited by Thermionic Vacuum Arc (TVA) method”, G. Musa, R. Vladoiu, **V. Dinca**, V. Ciupina, International Conference on Fundamental and Applied Research in Physics - FARPhys 2007, 25-28 Octombrie 2007, Iasi, Romania

2. „Preliminary results on comparative study of three methods for nanocarbon thin films deposited: Thermionic Vacuum Arc, magnetron sputtering and cathodic arc”, R. Vladoiu, M. Braic, A. Ioachim, C. Ducu, V. Ciupina, A. Mandes, **V. Dinca**, G. Pirpiliu, G. Prodan, G. Musa, 8th

International Balkan Workshop on Applied Physics, 5-7.07.2007, Ovidius University, Constanta, Romania.

3. „Influence of the geometrical parameters for carbon thin film quality in three methods: TVA, Magnetron Sputtering and Cathodic Arc ~comparative view~”, R. Vlădoiu, M. Braic, V. Ciupina, A. Mandes, **V. Dinca**, M. Contulov, G. Musa, Alexander von Humboldt, 8-9.07.2007, Ovidius University, Constanta, Romania.

4. „Influence of the geometrical parameters on the thickness of Carbon thin films deposited by Thermionic Vacuum Arc (TVA) technology”, G. Musa, R. Vlădoiu, A. Mandes, **V. Dinca**, S. Pat, N. Ekem, XXVIII International Conference on Phenomena in Ionized Gases, July 15-20, Prague, Czech Republic, 2007.

5. „Characterization of the surface free energy of the DLC film obtained by Thermionic Vacuum Arc (TVA) method”, G. Musa, R. Vlădoiu, **V. Dinca**, V. Ciupina, Physics Conference TIM – 07, 22-24.11.2007, West University, Timisoara, Romania

6. “Comparative study of DLC films deposited by Thermoionic Vacuum Arc and Magnetron Sputtering methods”, R. Vlădoiu, A. Mandes, **V. Dinca**, M. Contulov, G. Musa, C.E.A. Grigorescu, V. Braic, I.C. Vasiliu, M. Braic, EMRS – Strassburg, France, May 26-30, (2008)

7. “Surface Energy Evaluation of Unhydrogenated DLC Thin Film Deposited by Thermionic Vacuum Arc (TVA) Method”, R. Vlădoiu, **V. Dinca**, G. Musa, 23rd Symposium on Plasma Physics and Technology Praga, Cehia, June 16 – 19, 2008

8. “Surface characterization of the carbon thin films deposited by two different methods: TVA and magnetron sputtering”, R. Vlădoiu, M. Braic, V. Braic, **V. Dinca**, M. Contulov, M. Muresan, S.B. Rusu, A. Nastuta, G. Musa, - IBWAP 2008, Constanta, Romania, July 7-9 2008

9. “Surface modification of different materials by plasma treatment in DBD at atmospheric pressure”, R. Vlădoiu, **V. Dinca**, R. Leonte, G. Musa, Physics and chemistry of the atmosphere: from laboratory experiments to field campaigns, ECOLATMO, Constanta, Romania, 10.07-16.07.2008

10. „Surface properties of the multilayer coatings based on carbon deposited by TVA method”, R. Vlădoiu, C.P. Lungu, **V. Dinca**, G. Musa, The 3rd international school of advanced plasma technology, Varenna, Italy, 27.07-31.07.200

11. „Wetability analyses of materials treated by Diffuse Coplanar Surface Barrier Discharge (DCSDBD)”, **V. Dinca**, R. Vlădoiu, V. Ciupina, Balkan Physical Union 2nd International Physics Project Competition For University Students SPCBPU-2”, 17 – 21.8, 2008

12. “Influence of the operational parameters on the wettability of the DLC films deposited by TVA method”, R. Vlădoiu, V. Ciupina, **V. Dinca**, G. Musa, II CESPC, August 31 - September 4, 2008, Brno, Czech Republic

13. “Influence of the operational parameters on the M-effect in different types of mixtures”, R. Vlădoiu, M. Conțulov, **V. Dincă**, G. Musa, CNF 2008, 10 -13.09.2008, Magurele, Bucuresti

14. “Applications Of Diffuse Coplanar Surface Dielectric Barrier Discharge At Atmospheric Pressure Used For Surface Modification”, R. Vlădoiu, **V. Dinca**, M. Prodan, G. Musa, Physics Conference TIM – 08, Timisoara, Romania, 28 – 29.11, 2008

15. „Morphological and structural characterization of the C-W nanocomposites”, R. Vlădoiu, V. Ciupina, A. Mandes, M. Conțulov, **V. Dinca**, C. Porsnicu, C.P. Lungu, 17th Symposium on Application of Plasma Processes, Liptovsky Jan, Slovakia, 17-22.01, 2009

16. “Structure and tribological properties of carbon based nanocomposites grown by TVA

method”, R. Vladoiu, V. Ciupina, M. Contulov, A. Mandes, **V. Dinca**, G. Prodan, C.P. Lungu, EMRS – Strassburg, 8-12.05, 2009

17. “Surface modification by plasma processing of the glass for optics applications”, R. Vladoiu, **V. Dinca**, G. Musa, EMRS – Strassburg, 8-12.05, 2009

18. „Optical investigation of the M-Effect in $\text{He}_x - \text{Ne}_{1-x} - \text{H}_2$ mixtures”, R. Vladoiu, M. Contulov, **V. Dinca**, A. Mandes, G. Musa, IBWAP, Constanta, Romania, 6-8 July 2009

19. „Surface characterization of the carbon thin films deposited by two different methods: Thermionic Vacuum Arc (TVA) and magnetron sputtering (MS)”, R. Vladoiu, M. Braic, V. Braic, **V. Dinca**, A. Mandes, M. Contulov, G. Musa, IBWAP, Constanta, Romania, 6-8 July 2009

20. “Characterization of the tantalum oxide thin films deposited by Thermionic Vacuum Arc (TVA) method”, R. Vladoiu, V. Ciupina, A. Mandes, **V. Dinca**, G. Musa, ROCAM Brasov, Romania, 25-28.07.2009 (oral)

21. „Structural and morphological properties of the carbon based nanostructures deposited by Gaseous Thermoionic Vacuum Arc (GTVA) method”, R. Vladoiu, V. Ciupina, A. Mandes, **V. Dinca**, M. Contulov, G. Musa, European Materials Research Society (E-MRS 2010), June 7-11 (2010) Strasbourg, France (oral)

22. „Surface Activation of Synthetic Polymer Materials by Atmospheric Pressure Plasma Generated in Dielectric Barrier Discharge (DBD) in Air and Helium”, R. Vladoiu, **V. Dinca**, A. Mandes, V. Ciupina, 15th Conference on Plasma Physics and Applications (CPPA 2010), July 1-4 (2010) Iasi, Romania

23. “Growth and characterization of the C-Si nanocomposites using thermionic vacuum arc (TVA) method”, R. Vladoiu, V. Ciupina, C. P. Lungu, **V. Dinca**, A. Mandes, IBWAP 2010, July 7-9 (2010) Constanta, Romania (oral)

24. “ Investigation of the polyester surface after Helium DCSDBD plasma treatment at atmospheric pressure”, R. Vladoiu, **V. Dinca**, M. Contulov, IBWAP 2010, July 7-9 (2010) Constanta, Romania

25. “Properties of The Nanostructured Carbon Thin Films Deposited by G-TVA Method in Methane Plasma”, R. Vladoiu, V. Ciupina, M. Contulov, A. Mandes, **V. Dinca**, M. Prodan, IBWAP 2010, July 7-9 (2010) Constanta, Romania (oral)

26. “ Effect of Helium addition in the double M-effect (Monochromatization effect)”, R. Vladoiu, V. Ciupina, M. Contulov, **V. Dinca**, and A. Mandes, Conferința Națională de Fizică (CNF) 2010, September 23-25 2010, Iași, Romania

27. “Carbon based nanostructures with industrial applications”, V. Ciupina, I. Morjan, R. Alexandrescu, R. Vladoiu, I.M. Oancea-Stanescu, **V. Dinca**, G. Prodan, Conferința Națională de Fizică (CNF) 2010, September 23-25 2010, Iași, Romania

28. “Applications of the nanometer-scaled carbon based thin films deposited by TVA technology”, R. Vladoiu, V. Ciupina, **V. Dinca**, M. Contulov, A. Mandes, C.P. Lungu, 18th Symposium on Application of Plasma Processes, 15-20.1.2011, Vrátna, Slovakia (oral)

29. “Surface activation of the polycarbonate in atmospheric pressure plasma generated in air and Helium by Surface Dielectric Barrier Discharge (SDBD)”, R. Vladoiu, **V. Dinca**, A. Mandes, M. Cernak, 18th Symposium on Application of Plasma Processes, 15-20.01.2011, Vrátna, Slovakia

30. “Effect of Helium addition in the Double M-effect (Monochromatization Effect)”, R. Vladoiu, V. Ciupina, M. Contulov, **V. Dinca**, A. Mandes, 18th Symposium on Application of Plasma Processes, 15-20.01.2011, Vrátna, Slovakia

31. “Applications of the TVA technology in different electrodes configuration for nanometer-scaled thin films deposition”, R. Vladioiu, V. Ciupina, **V. Dinca**, M. Contulov, A. Mandes, C.P. Lungu, E-MRS 2011 Spring Meeting, Nice, France, May 9-13, 2011
32. “Properties of C-W thin films deposited by thermionic vacuum arc (TVA) method”, Rodica Vladioiu, Victor Ciupina, Petrica Popov, Aurelia Mandes, Mirela Contulov, **Virginia Dinca**, Cristian Petrica Lungu, 12th International Balkan Workshop on Applied Physics, Constanta, Romania, July 6-8, 2011
33. „Nanometer-scaled thin films obtained by TVA tehnology in different configurations for specific applications”, R. Vladioiu, V. Ciupina, M. Contulov, **V. Dinca**, A. Mandes, C. P. Lungu, P. Popov, 12th International Balkan Workshop on Applied Physics, Constanta, Romania, July 6-8, 2011 (orala)
34. „Carbon nanostructures and applications”, V. Ciupina, I. Morjan, R. Vladioiu, E. Mamut, G. Prodan, I.M. Oancea-Stanescu, C. Porosnicu, A. Mandes, M. Contulov, **V. Dinca**, 12th International Balkan Workshop on Applied Physics, Constanta, Romania, July 6-8, 2011 (orala)
35. “Plasma treatment of mica surface. laser desorption ionization time of flight mass spectrometric study of mica surface and adsorption of gold nano particles”, Dana Skácelová, Josef HaveL, Nagender Reddy Panaya, **Virgina Dinca**, Mirko Černák, 12th International Balkan Workshop on Applied Physics, Constanta, Romania, July 6-8, 2011
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