



# Curriculum vitae Europass



## Personal Information

Name / First name **Gavrilă-Florescu, Lavinia**

Address Bucharest, Romania

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Citizenship Romanian

Date of born 03.12.1978

Sex Female

Period Dec. 2010-present

Function or position Researcher 3<sup>rd</sup> degree

Main activities and responsibilities Nanostructures obtained by laser pyrolysis in the gaseous phase, characterization and their applications.

Name and address of employer National Institute for Lasers, Plasma and Radiation Physics, 409 Atomistilor St., RO-077125, Măgurele, Bucharest

Period 2006-dec 2010

Function or position Researcher

Main activities and responsibilities Nanostructures obtained by laser pyrolysis in the gaseous phase and their characterization

Name and address of employer National Institute for Lasers, Plasma and Radiation Physics, 409 Atomistilor St., RO-077125, Măgurele, Bucharest

Type of business or field of activity Research & Development (Scientific and technical activities)

Period 2005-2006

Function or position research assistant

Main activities and responsibilities Research in the field of materials physics: nanostructured powders synthesized by laser pyrolysis and techniques of their investigation

Name and address of employer National Institute for Lasers, Plasma and Radiation Physics, 409 Atomistilor St., RO-077125, Măgurele, Bucharest

Type of business or field of activity Research & Development (Scientific and technical activities)

Perioada december 2003-June 2004

Function or position Trainee assistant researcher

Main activities and responsibilities Synthesis by laser pyrolysis of different types of nanostructures

Name and address of employer National Institute for Lasers, Plasma and Radiation Physics, 409 Atomistilor Str, RO-077125, Măgurele, Bucharest

Type of business or field of activity Research & Development (Scientific and technical activities)

## Education and Training

Period 2010-present

Calification awarded Posdoc POSDRU/89/1.5/S/63700

Name and type of organization IMT Bucharest

Period 2004-2010  
 Calification awarded PhD in Physics  
 Principal subjects/occupational skills Physics  
 Name and type of organization providing education and training University of Bucharest (Faculty of Physics)

Period 2002-2004  
 Calification awarded Masters Degree  
 Principal subjects/occupational skills Physics of polymers. Physics of materials.  
 Name and type of organization providing education and training University of Bucharest (Faculty of Physics)

Period 1998-2002  
 Calification awarded University Degree  
 Principal subjects/occupational skills Physics  
 Name and type of organization providing education and training University of Bucharest (Faculty of Physics)

Period 1993-1997  
 Calification awarded Baccalaureate Degree  
 Principal subjects/occupational skills Chemistry-Biology  
 Name and type of organization providing education and training Highschool „Alexandru Vlahuta”, Rm. Sarat, Buzau

### Personal skills and competences

Mother tongue **Romanian**

Languages

Self-assessment

*European level (\*)*

**English**

Understanding				Speech				Writing	
Listening		Reading		Conversation		Oral speech		Written expression	
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

(\*) [European Level](#)

Skills and social skills Ability to adapt to multicultural environments and team spirit

Technical skills

- ▶ Good experience in project management. I drove for NILPRP the Project CEEX 13/2006: Polymer-layered inorganic nanocomposites as reinforced hybrids at nano-scale (NANOCHRASN)
- ▶ Ability to perform complex test fixtures consisting of laser systems, reaction chambers, vacuum systems and handling of different characterization devices: Microscopy (SEM), Raman and IR Spectroscopy

Skills and computer use Good command of Microsoft Office tools

Driving licence B category

Annexes Publication List

## Gavrila-Florescu Lavinia

### List of ISI Papers

1	Infrared laser synthesis and properties of magnetic nano-iron-polyoxocarbosilane composites Pola J, Marysko M, Vorlicek V, Bastl Z, Galikova A, Vacek K, Alexandrescu R, Dumitrache F, Morjan I, <b>Albu L</b> , Prodan G, Applied Organometallic Chemistry; 19(9), 1015-1021, 2005
2	Combining resonant/non-resonant processes: Nanometer-scale iron-based material preparation via CO <sub>2</sub> laser pyrolysis, R. Alexandrescu, I. Morjan, I. Voicu, F. Dumitrache, <b>L. Albu</b> , I. Soare, G. Prodan Applied Surface Science, 248(1-4), 138-146, 2005
3	Iron-iron oxide core-shell nanoparticles synthesized by laser pyrolysis followed by superficial oxidation F. Dumitrache, I. Morjan, R. Alexandrescu, V. Ciupina, G. Prodan, I. Voicu, C. Fleaca, <b>L. Albu</b> , M. Savoiu, I. Sandu, E. Popovici, I. Soare Applied Surface Science, 247(1-4), 25-31, 2005
4	Self-assembly onto solid surface of some nanopowders synthesized by laser pyrolysis Sandu I, Morjan I, Voicu I, Alexandrescu R, Dumitrache F, Soare I, Fleaca CT, <b>Albu L</b> , Scarisoreanu M, Popovici E Smart Materials & Structures, 15(3), 816-820, 2006
5	Carbon nanotubes growth from C <sub>2</sub> H <sub>2</sub> and C <sub>2</sub> H <sub>4</sub> /NH <sub>3</sub> by catalytic LCVD on supported iron-carbon nanocomposites I. Morjan, I. Soare, R. Alexandrescu, R.-E. Morjan, <b>L. Gavrila-Florescu</b> , G. Prodan, I. Sandu, E. Popovici, F. Dumitrache, I. Voicu, M. Scarisoreanu Physica E: Low-dimensional Systems and Nanostructures, 37(1-2), 26-33, 2007
6	Effects of some synthesis parameters on the structure of titania nanoparticles obtained by laser pyrolysis M. Scarisoreanu, Morjan, R. Alexandrescu, R. Birjega, I. Voicu, C. Fleaca, E. Popovici, I. Soare, <b>L. Gavrila-Florescu</b> , O. Cretu, G. Prodan, V. Ciupina, E. Figgemeier, Applied Surface Science, 253(19), 7908-7911, 2007
7	Structural and sensing properties of a novel Fe/Fe <sub>2</sub> O <sub>3</sub> /polyoxocarbosilane core shell nanocomposite powder prepared by laser pyrolysis Tomescu A, Alexandrescu R, Morjan I, Dumitrache F, <b>Gavrila-Florescu L</b> , Birjega R, Soare I, Prodan G, Bastl Z, Galikova A, Pola J, Journal of Materials Science 42(5) 1838-1846, 2007
8	Laser – synthesized carbon nanopowders for nanoscale reinforced hybrid composites <b>L. Gavrila-Florescu</b> , I. Morjan, E. Popovici, I. Sandu, I. Voicu, I. Dinca, A. Stefan, C. Serghie, L. Dumitrache, C. Nistor, V. Stefan, S. Serban, D. Donescu, G. Prodan, V. Ciupina Materials Science and Engineering: C (Materials for Biological Applications), 27(5-8), 1010-1014, 2007
9	The effect of the nanocarbon structures from laser pyrolysis on microorganisms evolution <b>L. Gavrila Florescu</b> , C. Fleaca, I. Voicu, I. Morjan, L. Stamatina, Ioan Stamatina, Applied Surface Science, 253(19), 7729-7732, 2007
10	Structural characteristics of Fe <sub>3</sub> C-based nanomaterials prepared by laser pyrolysis from different gas-phase precursors R. Alexandrescu, I. Morjan, F. Dumitrache, R. Birjega, C. Jaeger, H. Mutschke, I. Soare, <b>L. Gavrila-Florescu</b> , V. Ciupina, Materials Science and Engineering: C, 27(5-8), 1181-1184, 2007
11	Structural investigations on TiO <sub>2</sub> and Fe-doped TiO <sub>2</sub> nanoparticles synthesized by laser pyrolysis R. Alexandrescu, I. Morjan, M. Scarisoreanu, R. Birjega, E. Popovici, I. Soare, <b>L. Gavrila-Florescu</b> , I. Voicu, I. Sandu, F. Dumitrache, G. Prodan, E. Vasile, E. Figgemeier, Thin Solid Films, 515(24), 8438-8445, 2007
12	Titanium dioxide nanoparticles prepared by laser pyrolysis: Synthesis and photocatalytic properties, E. Figgemeier, W. Kylberg, E. Constable, M. Scarisoreanu, R. Alexandrescu, I. Morjan, I. Soare, R. Birjega, E. Popovici, C. Fleaca, <b>L. Gavrila-Florescu</b> , G. Prodan, Applied Surface Science, 254(4), 1037-1041, 2007
13	Hybrid polymer composites reinforced by layered silicate and laser synthesized nanocarbons, I. Dinca, A. Stefan, C. Serghie, A. Moga, L. Dumitrache, Z. Vuluga, D. Donescu, A. Dragomirescu, G. Prodan, V. Ciupina, <b>L. Gavrila-Florescu</b> , E. Popovici, I. Sandu Applied Surface Science, 254(4), 1032-1036, 2007

14	Photochemistry aspects of the laser pyrolysis addressing the preparation of oxide semiconductor photocatalysts R. Alexandrescu, I. Morjan, F. Dumitrache, M. Sarisoreanu, I. Soare, C. Fleaca, R. Birjega, E. Popovici, <b>L. Gavrilă</b> , G. Prodan, V. Ciupina, G. Filoti, V. Kuncser. L. Vekas International Journal Of Photoenergy, 2008, Article Number: 604181, 11 pages, 2008
15	Nanocarbon film as a percolation network for nanocarbon/polymer composites, I. Sandu, A. Dragomirescu, <b>L. G. Florescu</b> , C. Fleaca, Journal of Reinforced Plastics and Composites, doi:10.1177/0731684408093318, 2008
16	Carbon nanotubes grown by catalytic CO <sub>2</sub> laser-induced chemical vapor deposition on core-shell Fe/C composite nanoparticles, I. Morjan, I. Soare, R. Alexandrescu, <b>L. Gavrilă-Florescu</b> , R.-E. Morjan, G. Prodan, C. Fleaca, I. Sandu, I. Voicu, F. Dumitrache, E. Popovici, Infrared Physics & Technology, 51(3), 186-197, 2008
17	Catalyzed growth of oriented carbon nanotubes using Fe-organosilicon core-shell nanoparticles C.T. Fleaca, I. Morjan, R. Alexandrescu, F. Dumitrache, I. Soare, <b>L. Gavrilă-Florescu</b> , F. Le Normand, O. Ersen, Physica E: Low-dimensional Systems and Nanostructures, 40(7), 2252-2256, 2008
18	Heterogeneous atoms in laser-induced synthesis of carbon black E. Popovici, <b>L. Gavrilă Florescu</b> , I. Soare, M. Scarisoreanu, I. Sandu, G. Prodan, C.T. Fleaca, I. Morjan, I. Voicu, Applied Surface Science, 255(10), 5511-5514, 2009
19	Magnetic properties of core-shell catalyst nanoparticles for carbon nanotube growth C.T. Fleaca, I. Morjan, R. Alexandrescu, F. Dumitrache, I. Soare, <b>L. Gavrilă-Florescu</b> , F. Le Normand, A. Derory, Applied Surface Science, 255(10), 5386-5390, 2009
20	Controlled manufacturing of nanoparticles by the laser pyrolysis: Application to cementite iron carbide I. Morjan, R. Alexandrescu, M. Scarisoreanu, C. Fleaca, F. Dumitrache, I. Soare, E. Popovici, <b>L. Gavrilă</b> , E. Vasile, V. Ciupina, N.C. Popa, Applied Surface Science, 255(24), 9638-9642, 2009
21	Voltage and temperature coefficients of resistance of polyethylene/nanocarbon-based thick film composites: melt-mixing versus melt-infiltration synthesis, Sandu I, Morjan I, Voicu I, Dumitrache F, Fleaca C T, <b>Gavrilă-Florescu L</b> , Journal Of Plastic Film & Sheeting, 26(1), 71-81, 2010
22	Laser-synthesized carbon black for polymer-based composites reinforced by carbon fibres, <b>L. Gavrilă-Florescu</b> , I. Dinca, E. Popovici, L. Dumitrache, R. Ianchis, A. Stan, I. Sandu, A. Stefan, Z. Vuluga, D. Donescu, I. Voicu, Journal of Optoelectronics and Advanced Materials, 12(3), 715-717, 2010
23	Carbon nanostructures from Fe-C nanocomposites by activated CVD methods, C. Fleaca, I. Morjan, R. Alexandrescu, F. Dumitrache, I. Soare, <b>L. Gavrilă-Florescu</b> , F. Le Normand and J. Faerber, Phys. Status Solidi C 7(3-4), 1269-1273, doi 10.1002/pssc.200982975, 2010
24	Direct Production of a Novel Iron-Based Nanocomposite from the Laser Pyrolysis of Fe(CO) <sub>5</sub> /MMA Mixtures: Structural and Sensing Properties, R. Alexandrescu, I. Morjan, A. Tomescu, C. E. Simion, M. Scarisoreanu, R. Birjega, C. Fleaca, <b>L. Gavrilă</b> , I. Soare, F. Dumitrache, and G. Prodan Journal of Nanomaterials, 2010, Article ID 324532, 12 pages, doi:10.1155/2010/324532, 2010
25	Development of the IR laser pyrolysis for the synthesis of iron-doped TiO <sub>2</sub> nanoparticles: Structural properties and photoactivity, Alexandrescu, R; Morjan, I; Scarisoreanu, M; Birjega, R; Fleaca, C; Soare, I; <b>Gavrilă, L</b> ; Ciupina, V; Kylberg, W; Figgmeier, E: INFRARED PHYSICS & TECHNOLOGY Volume: 53 Issue: 2 Pages: 94-102 DOI: 10.1016/j.infrared.2009.10.004 Published: MAR 2010
26	About graphene ribbons development in laser synthesized nanocarbon, <b>Florescu, L G</b> ; Vasile, E; Sandu, I; Soare, I; Fleaca, C; Ianchis, R; Luculescu, C; Dutu, E; Birjega, R; Morjan, I; Voicu, I, APPLIED SURFACE SCIENCE Volume: 257 Issue: 12 Pages: 5270-5273 DOI: 10.1016/j.apsusc.2010.11.036 Published: APR 1 2011
27	Synthesis of optical transparent and electrical conductive polymer/nanocarbon composite films by infiltration method, Sandu, I; Brasoveanu, M; Morjan, I; Voicu, I; Dumitrache, F; Teodor, CF; <b>Gavrilă-Florescu, L</b> ; THIN SOLID FILMS Volume: 519 Issue: 12 Special Issue: SI Pages: 4128-4131 DOI: 10.1016/j.tsf.2011.01.361 Published: APR 1 2011
28	Recent developments in the formation and structure of tin-iron oxides by laser pyrolysis, Alexandrescu R, Morjan, I; Dumitrache, F; Birjega, R; Fleaca, C; Soare, I; <b>Gavrilă, L</b> ; Luculescu, C; Prodan, G; Kuncser, V; Filoti, G, APPLIED SURFACE SCIENCE Volume: 257 Issue: 12 Pages: 5460-5464 DOI: 10.1016/j.apsusc.2010.11.114 Published: APR 2011

### List of non ISI papers

1	Electrical resistivity of polymer/nanocarbon composite and sandwich free standing films, synthesized through an "inverse stamping" method Sandu, I. Morjan, F. Dumitrache, C. T. Fleaca, I. Voicu, R. Alexandrescu, I. Soare, <b>L. Gavrilă-Florescu, C. Luculescu, M. Ploscaru, E. Popovici, E. Dutu</b> , Journal Of Nanostructured Polymers And Nanocomposites 5/1 3-8, 2009
2	Carbon nanostructures by gas-phase laser pyrolysis, Alexandrescu, R, Dumitrache, F, Florescu, <b>L. Gavrilă</b> , Morjan, I, Popovici, E, Scarisoreanu, M, Sandu, I, Soare, I, Voicu art. no. 66060J, Advanced Laser Technologies 2006 Book Series: Proceedings of the Society of Photo-Optical Instrumentation Engineers (SPIE), 6606, J6060-J6060, 2007
3	Carbon-based nanostructures through laser interaction with reactive gaseous mixtures Fleaca, CT; <b>Albu, L</b> ; Alexandrescu, R; Dumitrache, F; Morjan, I; Popovici, E; Sandu, I; Scarisoreanu, M; Soare, I; Voicu, I, Functional Properties Of Nanostructured Materials Book Series: Nato Science Series, Series Ii: Mathematics, Physics And Chemistry, 223, 403-406, 2006
4	From nanopowders to micro-crystals, International Conference On Physics and Control (Physcon) Sandu, I; Morjan, I; Voicu, I; Alexandrescu, R; Dumitrache, F; Soare, I; Fleaca, M; <b>Albu, L</b> ; Scarisoreanu, M; Popovici, E; Vasile, E, Print ISBN: 0-7803-9235-3773-775 , 2005
5	Composition influence on the properties of titanium-doped $\gamma$ iron oxide nanoparticles prepared by laser pyrolysis method , Morjan, I.; Alexandrescu, R.; Dumitrache, F.; Sandu, I.; Scarisoreanu, M.; <b>Albu, L.</b> ; Soare, I.; Voicu, I.; David, B.; Schneeweiss, O.; Fleaca, C.; Popovici, E.; Ciupina, V., Micro- and Nanosystems- Materials and Devices. Symposium (Materials Research Society Symposium Proceedings, 872, 217-23, ISBN: 1 55899 826 8, 2005
6	Carbon-encapsulated iron nanoparticles prepared by laser pyrolysis: characterization and catalyzers for carbon nanotubes and nanofibers, Dumitrache, F; Ciupina, V; Morjan, I; Alexandrescu, R; Voicu, I; Soare, I; <b>Albu, L</b> ; Morjan, RE; Prodan, G Nanoengineering: Fabrication, Properties, Optics, And Devices Book Series: Proceedings Of The Society Of Photo-Optical Instrumentation Engineers (SPIE), 5515, 244-25, 2004
7	About in-situ functionalization of carbon nanopowder synthesized by laser-induced pyrolysis – art.no. 70220Z, <b>Gavrilă-Florescu, L</b> ; Sandu, I; Soare, I, Scarisoreanu M., Popovici E., Morjan I., Voicu I., Conference Information: Conference on Advanced Laser Technologies, Date: SEP 03-07, 2007 Levi FINLAND , ADVANCED LASER TECHNOLOGIES 2007 Volume: 7022 Pages: Z220-Z220 Published: 2008
8	Newly Developed Fe-Fe <sub>2</sub> O <sub>3</sub> /Polyoxocarbosilane Core-Shell Nanocomposite Prepared by Laser Pyrolysis: Characterization and Sensing Properties; I. Morjan, J. Pola, R. Alexandrescu, F. Dumitrache, A.Tomescu, R. Birjega, <b>L.Albu</b> , I. Soare, I.Voicu, A. Galikova, V.Ciupina, Z.Bastl, MRS - Mater. Res. Soc. Symp., San Francisco C.A. Spring Meeting, 17-21 April, 2006

### List of Conferences

1	Iron-Iron Oxide core-Shell Nanoparticles Prepared by Laser Pyrolysis Followed by controlled In-Situ Superficial Oxidation, E-MRS Spring Meeting, Strasbourg, Symposium N, France, 24 – 28, May, 2004 F. Dumitrache, I. Morjan, R. Alexandrescu, I. Sandu , I. Voicu, I. Soare, M. Savoiu, C. Fleaca, <b>L. Albu</b> .
2	Diffraction studies for structural analysis of laser synthesized carbon nanopowder, Proc. of the Intn'l Conference CARBON 2004, Rhode Islands, SUA, 12-15 iulie 2004, I. Morjan, I. Sandu, I. Voicu, I. Pasuk, R. Alexandrescu, <b>L.Albu</b> , T.C. Fleaca, F. Dumitrache, I. Soare, R. Brydson and B. Rand
3	Laser preparation and Characterization of Different Iron-Based Core-Shell Nanostructures: reseen Applications International Conference 2005 TMS Annual Meeting & Exhibition (The Minerals, Metals, Materials Society), San Francisco, U.S.A., 17-24 February 2005, J. Pola, R. Alexandrescu, I. Morjan, I. Voicu, F. Dumitrache, I. Soare, <b>L. Albu</b> , M. Savoiu
4	Composition influence on the properties of titanium-doped gamma iron oxide nanoparticles prepared by laser pyrolysis method, MRS-Spring Meeting, San Francisco, CA, March 25-April

	1, 2005I. Morjan, R. Alexandrescu, F. Dumitrache, I. Sandu, M. Scarisoreanu, <b>L. Albu</b> , I. Soare, I. Voicu, B. David, O. Schneeweiss, C. Fleaca, E. Popovici and V. Ciupina
5	Iron/iron carbides/carbon core-shell nanostructures synthesized by laser pyrolysis, SPIE 2005, San Diego, V. Ciupina, F. Dumitrache, I. Morjan, R. Alexandrescu, G. Prodan, C. Fleaca, E. Popovici, I. Soare, <b>L. Albu</b> , R. Birjega, B. David, O. Schneeweiss
6	Newly Developed Fe-Fe <sub>2</sub> O <sub>3</sub> /Polyoxocarbosilane Core-Shell Nanocomposite Prepared by Laser Pyrolysis: Characterization and Sensing Properties, MRS - Mater. Res. Soc. Symp., San Francisco C.A. Spring Meeting, 17-21 April, 2006, I.Morjan, J. Pola, R. Alexandrescu, F. Dumitrache, A.Tomescu, R. Birjega, <b>L.Albu</b> , I. Soare, I.Voicu, A. Galikova, V.Ciupina, Z.Bastl
7	Effects of some synthesis parameters on the microstructure of titania nanoparticles obtained by laser pyrolysis, E-MRS IUMRS ICEM 2006 Spring Meeting May 29 - June 2, 2006, M. Scarisoreanu, Morjan, R.Alexandrescu, R. Birjega, I. Voicu, C. Fleaca, E. Popovici, I. Soare, <b>L. Gavrilă-Florescu</b> , O. Cretu, V.Ciupina, E. Figgemeier
8	Structural characteristics of Fe <sub>3</sub> C-based nanomaterials prepared by laser pyrolysis from different gas phase precursors, E-MRS IUMRS ICEM 2006 Spring Meeting May 29 - June 2, 2006, R. Alexandrescu, I. Morjan, F. Dumitrache, R. Birjega, C. Jaeger, H. Mutschke, I.Soare, <b>L. Gavrilă-Florescu</b> , V.Ciupina
9	Carbon nanotubes growth from C <sub>2</sub> H <sub>2</sub> and C <sub>2</sub> H <sub>4</sub> /NH <sub>3</sub> by catalytic LCVD on supported iron-carbon nanocomposites E-MRS IUMRS ICEM 2006 Spring Meeting May 29 - June 2, 2006 I. Morjan, I.Soare, R-E. Morjan, G. Prodan, <b>L. Gavrilă-Florescu</b> , I Sandu. E.Popovici, F. Dumitrache, I.Voicu, M. Scarisoreanu, R. Alexandrescu
10	Oriented growth of carbon nanotubes using Fe-organosilicon core-shell nanoparticles, EMRS May 28-June 1, 2007 Strasbourg, France C.T. Fleaca, I. Morjan, R. Alexandrescu, F. Dumitrache, I.Soare, <b>L. Gavrilă-Florescu</b> , F. Le Normand and O. Ersen
11	Titanium dioxide nanoparticles prepared by laser pyrolysis:synthesis and photocatalytic properties, EMRS May 28-June 1, 2007 Strasbourg, France., E.Figgemeier, W.Kylberg, E.Constable, I. Morjan, R. Alexandrescu M. Scarisoreanu, I. Soare, R. Birjega, E. Popovici , C.Fleaca, I.Voicu, <b>L. Gavrilă-Florescu</b> , G.Prodan
12	Searching for Functional Properties of Carbon Nanopowders through Laser Pyrolysis Technique, CARBON 2007 CONFERENCE, July 15 - 20, 2007 Seattle Washington, USA I.Sandu, <b>L. Gavrilă-Florescu</b> , C.T. Fleaca, I. Soare, M. Scarisoreanu, E. Popovici, F. Dumitrache, C. Logofatu, I. Pasuk, R. Brydson, G. Prodan, R. Alexandrescu, I. Morjan, I. Voicu
13	New Trends in Iron-Based Nanomaterials Prepared by Laser Pyrolysis: Effect of Process Conditions on Powder Characteristic, IWNA 2007- First International Workshop on Nanotechnology and Applilcation, Vung Tau, Vietnam, November 15-17 2007 I.Morjan, R.Alexandrescu, F.Dumitrache, M.Scarisoreanu, C. Fleaca, <b>L. Gavrilă-Florescu</b> , I. Soare, E. Popovici
14	Recent developments of photocatalytic TiO <sub>2</sub> and Fe-doped TiO <sub>2</sub> nanopowders prepared by laser pyrolysis, International Conference on Molecular/Nano-Photochemistry, Photocatalysis and Solar Energy Conversion Solar '08 Cairo, Egypt, February 24 –28, 2008 I.Morjan, M.Scarisoreanu, R. Alexandrescu, I. Soare, C. Fleaca, <b>L. Gavrilă-Florescu</b> , C. Luculescu, W. Kylberg, E. Figgemeier, G. Prodan, E. Vasile
15	Laser synthesized carbon nanopowders for nanoscale reinforced hybride composites, European Materials Research Society Spring Meeting (E-MRS IUMRS ICEM 2006 SPRING MEETING), Nice, France, 29 mai – 2 iunie 2006, <b>L. Gavrilă-Florescu</b> , I. Morjan, E. Popovici, I. Sandu, I. Voicu, I. Dinca, A. Stefan, L. Dumitrache, C. Nistor, V. Stefan, S. Serban, D. Donescu, G. Prodan, V. Ciupina
16	Laser-synthesized nanocarbons in some polymer-based composites for industrial applications International Conference on Carbon CARBON 2008, Japonia, <b>L. Gavrilă-Florescu</b> , I. Soare, I. Sandu, I. Dinca, C. Serghie, L. Dumitrache, Z. Vuluga, G. Prodan, I. Morjan, I. Voicu
17	Heterogeneous atoms in laser-induced synthesis of carbon black, Conferinta Internationala E-MRS, Strasbourg, Franta, Symposium B 2008, E. Popovici, <b>L. Gavrilă Florescu</b> , I. Soare, I. Sandu, G. Prodan, I. Pasuk, C. Logofatu, I. Morjan, I. Voicu

18	Carbon black and layered silicate nanofillers for polymer-based composites reinforced by carbon fibers, Conferinta Internationala E-MRS, Strasbourg, Franta, Symposium P 2009 <b>L. Gavrilă Florescu</b> , I. Dinca, L. Dumitrache, A. Stefan, C. Nistor, A. Stan, I. Sandu, G. Prodan, Z. Vuluga, D. Donescu, I. Voicu
19	Nanocarbon grown by laser-induced gas phase pyrolysis: from turbostratic structure to graphene ribbon assemblies, Conferinta Internationala Carbon 2009, Biarritz, Franta, <b>Lavinia Gavrilă-Florescu</b> , Ion Morjan, Dorin Rosu, Anghel Ioncea, Iuliana Pasuk, Raluca Ianchis, Iuliana Soare, Ion Sandu, Ernest Popovici, Ion Voicu
20	Preparation of Iron/Polymer-Based Nanocomposite Materials by the Laser Pyrolysis of Fe(CO) <sub>5</sub> / MMA Mixtures: Structural and Sensing Properties, 23rd Conference of the European Colloid and Interface Society, ECIS, 2009 Antalya, Turkey on September 6-11, 2009 R. Alexandrescu, I. Morjan, R. Birjega, C. Fleaca, <b>L.Gavrilă</b> , I. Soare, F. Dumitrache, G. Prodan, A. Tomescu
21	Developments in laser synthesis of nanoscale carbons for polymer-based composites, <b>Lavinia Gavrilă-Florescu</b> , Eugeniu Vasile, Liviu Dumitrache, Ana Stan, Raluca Ianchis, Ion Sandu, Ruxandra Birjega, Conferinta Carbon, Clemson, SUA, iulie 2010
22	About graphene ribbons development in laser synthesized nanocarbon Conferinta Internationala E-MRS, Strasbourg, Franta, 2010, <b>L. Gavrilă Florescu</b> , E. Vasile, I. Sandu, I. Soare, R. Ianchis, C. Luculescu, E. Dutu, R. Birjega, I. Morjan, I. Voicu,
23	Recent developments in the formation and structure of tin-iron oxides by laser pyrolysis, Conferinta Internationala E-MRS, Strasbourg, Franta, 2010, R. Alexandrescu, I. Morjan, F. Dumitrache, R. Birjega, C. Fleaca, I. Soare, <b>L. Gavrilă</b> , C. Luculescu, G. Proda, V. Kuncser, G. Filoti
24	Laser synthesized nanopowders for polymer-based composites, <b>Gavrilă-Florescu Lavinia</b> , Ion Sandu, Ana Stan, Elena Dutu, Ion Voicu, E-MRS 2011 Spring Meeting