



PERSONAL INFORMATION



Gianina – Florentina POPESCU-PELIN

 Berbecului Street, No. 5, 077125 Magurele (Romania)

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 gianina.popescu@inflpr.ro

Sex Female | Date of birth 29 Oct 1986 | Nationality Romanian

WORK EXPERIENCE

Jul 2018–Present

Scientific Researcher III degree

National Institute for Laser, Plasma and Radiation Physics

409 Atomistilor Street, 077125 Magurele (Romania)

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- specific protocols/procedures elaboration for measuring and analyzing data in the field of excimer lasers;
- experimental design and thin film synthesis by laser techniques;
- characterization of the obtained structures by UV - VIS spectrophotometry, nanoweighing, biodegradation;
- samples preparation and advanced characterization by X-Ray Diffraction (XRD), Fourier Transform Infrared Spectroscopy (FTIR) and Scanning Electron Microscopy (SEM);
- correlation of physico-chemical and biological results;
- dissemination of results through scientific papers;
- participation to National and International scientific events;
- project proposals for International Programs of the European Community and for those organized within the National R & D Plan.

Business or sector Research

Jun 2013–Jul 2018

Scientific researcher

National Institute for Laser, Plasma and Radiation Physics

409 Atomistilor Street, 077125 Magurele (Romania)

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- preparation (laser alignment) and achievement of laser deposition experiments by pulsed laser deposition (PLD), combinatorial PLD (C-PLD), matrix assisted pulsed laser evaporation (MAPLE) and combinatorial MAPLE (C-MAPLE) techniques;
- deposition (by other techniques) of thin films and nanoparticles from simple or doped compounds;
- laser irradiation in solutions;
- spectrophotometric measurements (UV-VIS and FTIR) on thin films, solutions and powders;
- electrical characterization on thin films;
- thermal and plasma treatments;
- SEM measurements;
- dissemination of results through scientific papers;

Business or sector Research

Oct 2010–Jun 2013

Scientific research assistant

National Institute for Laser, Plasma and Radiation Physics

409 Atomistilor Street, 077125 Magurele (Romania)

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- thin films deposition by pulsed laser techniques;
- laser irradiation's;
- preparation of targets for PLD and MAPLE experiments;

Business or sector Research

Mar 2009–Oct 2010

Medical physicist

Fundeni Clinical Institute
258 Fundeni Street, 022328 Bucharest (Romania)
<https://icfundeni.ro/>

- scintigraphic evaluations: bone, myocardial, renal, cerebral, pulmonary and thyroid scintigraphy

Business or sector Health

EDUCATION AND TRAINING

Oct 2010–Oct 2016

PhD in Physics (Summa cum laude)

University of Bucharest, Faculty of Physics
36-46 Mihail Kogălniceanu Bd., 050107 Bucharest (Romania)
<https://en.unibuc.ro>

Condensed matter physics

Oct 2008–Jun 2010

MSc in Medical Physics

University of Bucharest, Faculty of Physics
36-46 Mihail Kogălniceanu Bd., 050107 Bucharest (Romania)
<https://en.unibuc.ro>

Biophysics, biochemistry, medical equipment

Oct 2005–Jun 2008

BSc in Physics

University of Bucharest, Faculty of Physics
36-46 Mihail Kogălniceanu Bd., 050107 Bucharest (Romania)
<https://en.unibuc.ro>

General knowledge in physics; microdestructive analysis of materials by laser techniques

PERSONAL SKILLS

Mother tongue(s) Romanian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	C1
French	B1	B1	A2	A2	A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving

Independent user	Independent user	Independent user	Independent user	Independent user
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Digital skills - Self-assessment grid

Microsoft Office™, Origin, Image J, Canvas

Driving licence B

ADDITIONAL INFORMATION

Courses

- trained in scanning electron microscopy (SEM independent user);
- XRD independent user;
- Graduate of "Writing Masterclass - Learn how to communicate fluently and correctly, in writing"

Internships and working stages

- Institute of Physics of the Czech Academy of Sciences, Prague, Czech Republic;
- Israel Institute of Technology, Haifa, Israel; Tel Aviv University, Tel Aviv, Israel;
- Institute of Materials Science of Mulhouse, Mulhouse, France;
- Institute of Electrochemistry and Energy Systems and Institute of Solid State Physics, Sofia, Bulgaria;
- UMONS – University of Mons, Belgium;
- Chuiko Institute of Surface Chemistry, National Academy of Science of Ukraine, Kiev, Ukraine.

Projects **Accumulated experience in National/International programs:**

- "Nanostructures processed by laser techniques for photovoltaic applications" – PN-II-RU-TE-2009-1-98;
- "Pulsed laser nanostructuring, assembling and immobilization of biomaterials" – PN-II-TE-2011-3-0083;
- "Fabrication of osteoinductive orthopedic implants with gradual 3D hierarchical structure" – PN-II-PT-PCCA-2011-3.2-0898;
- "Investigations of ZrC thin films properties for triso nuclear fuel applications" – PN-II-ID-PCE-2011-3-0407;
- „All-amorphous-oxide transparent and mechanically flexible thin film transistor grown by pulsed laser deposition" – PN-II-ID-PCE-2012-4-0467;
- „Controlled external activation of drug release from smart polymeric systems" – PN-II-RU-TE-2014-4-1590;
- „Laser assembling of miniaturized lab-on-a-chip devices for single cell guiding, trapping and analysis" – PN-II-RU-TE-2014-4-1273;
- „Highly adherent biological Hydroxyapatite thin films synthesized by pulsed laser deposition techniques for medical applications" – PN-II-RU-TE-2014-4-1570;
- „Ag/Si doped carbon layers for medical applications" – 7-083/2014;
- „Surface acoustic wave sensor for H₂S detection based on sensitive layers with gradual porosity" – PN-II-RU-TE-2014-4-0342;
- „Biosensors functionalized by irradiation and transfer with laser pulses" – PN-III-P3-3.1-PM-RO-BE-2016-0003;
- „Smart surface functionalization of titanium and stainless steel implants" – 146 PED/2017;
- „Energy - efficient decontamination by uv & cold plasma using metamaterials" – 43 NATO;
- „Integrated project for the development of some technologies dedicated to advanced medical treatments" – 63PCCDI (PN-III-P1-1.2-PCCDI2017-0728);
- „Fabrication, calibration, and testing of advanced integrated sensor systems aiming at applications in societal security" – PN-III-P1-1.2-PCCDI-2017-0172.

Member of the Local Organizing Committee 10th International Conference on Photoexcited Processes and Applications (ICPEPA-10) - 29 august – 2 septembrie 2016 <http://icpepa10.com/committees/>

Honours and awards - Awarded scholarship: POSDRU/107/1.5/S/82514 project
- Diploma of excellence and a gold medal for the study „*Hibrid instalation of recovery and/or creation of components by laser cladding allied with nanoparticles*” (E. Popovici, I. N. Mihailescu, C. N. Mihailescu, G. Popescu-Pelin, M. Badiceanu, A. Ionita, T. Necsoiu, I. R. Popovici, M. Iliescu, L. Vladareanu, E. M. Stanciu) prezentată la Salonul Internațional al Cercetării, Inovării și Inventicii (PRO-INVENT), ediția XVII, Sala Polivalentă, Cluj-Napoca, 20-22 martie 2019.

Publications - **28** article papers (**4** as main-author and **24** as co-author) in International Journals and **3** book chapter (**2** as main-author and **1** as co-author).

Citations - Independent citations in International Journals: **189**; average citations per item **6.52**

Patents **4** patent applications

h-index **7**

Annexes Annex 1 – List of publications
Annex 2 – Scientific papers presented at International Conferences
Annex 3 – Patent applications

[Related document\(s\)](#): Annex 1.pdf, Annex 2.pdf, Annex 3.pdf

ATTACHMENTS

- Annex 1.pdf
- Annex 2.pdf
- Annex 3.pdf

Annex 1.pdf

Lucrări științifice publicate în reviste cotate ISI:

1. Socol G., Socol M., Stefan N., Axente E., **Popescu-Pelin G.**, Craciun D., Duta L., Mihailescu C.N., Mihailescu I.N., Stanculescu A., Visan D., Sava V., Galca A.C., Luculescu C.R., Craciun V. (2012) Pulsed laser deposition of transparent conductive oxide thin films on flexible substrates, Applied Surface Science 260: 42-46. **IF (2012) = 2.112; AIS= 0.539**
2. Mirchin N., Apter B., Lapsker I., Fogel V., Gorodetsky U., Popescu S.A., Peled A., **Popescu-Pelin G.**, Dorcioman G., Duta L., Popescu A., Mihailescu I.N. (2012) Measuring Nanolayer Profiles of Various Materials by Evanescent Light Technique, Journal of Nanoscience and Nanotechnology 12(3): 2668-71. **IF (2012) = 1.149; AIS= 0.238**
3. Socol G., Socol M., Sima L., Petrescu S., Enculescu M., Sima F., Miroiu M., **Popescu-Pelin G.**, Stefan N., Cristescu R., Mihailescu C.N., Stanculescu A., Sutan C., Mihailescu I.N. (2012) Combinatorial Pulsed Laser Deposition of Ag-Containing Calcium Phosphate Coatings, Digest Journal of Nanomaterials and Biostructures 7(2): 563-576. **IF (2012) = 1.092; AIS= 0.230**
4. Floroian L., Florescu M., Sima F., **Popescu-Pelin G.**, Ristoscu C., Mihailescu I.N. (2012) Synthesis of biomaterial thin films by pulsed laser technologies: Electrochemical evaluation of bioactive glass-based nanocomposite coatings for biomedical applications, Materials Science and Engineering C 32(5):1152-1157. **IF (2012) = 2.404; AIS= 0.612**
5. Duta L., Oktar F.N., Stan G.E., **Popescu-Pelin G.**, Serban N., Luculescu C., Mihailescu I.N. (2013) Novel doped hydroxyapatite thin films obtained by pulsed laser deposition, Applied Surface Science 265:41–49. **IF (2013) = 2.538; AIS= 0.550**
6. Linnik O., Shestopal N., Smirnova N., Eremenko A., Korduban O., Kandyba V., Kryshchuk T., Socol G., Stefan N., **Popescu-Pelin G.**, Ristoscu C., Mihailescu I.N. (2015) Correlation between electronic structure and photocatalytic properties of non-metal doped TiO₂/ZrO₂ thin films obtained by pulsed laser deposition method, Vacuum 114: 166-171. **IF (2015) = 1.558; AIS= 0.371**
7. Floroian L., Florescu M., Munteanu D., Badea M., **Popescu-Pelin G.**, Ristoscu C., Sima F., Chifiriuc M.C., Mihailescu I.N. (2014) A new concept of stainless steel medical implant based upon composite nanostructures coating, Digest Journal of Nanomaterials and Biostructures 9(4): 1555-1568. **IF (2014) = 0.945; AIS= 0.202**
8. **Popescu-Pelin G.**, Bucă A., Oane M., Șufaru L., Mihailescu I.N. (2015) The applicability of the Fourier heat equation for study of nano particles clusters, Optoelectronics and Advanced Materials-Rapid Communications 9 (11-12): 1572-1574. **IF (2015) = 0.412; AIS= 0.062**

9. Socol M., Preda N., Rasoga O., Breazu C., Stavarache I., Stanculescu F., Socol G., Gherendi F., Grumezescu V., **Popescu-Pelin G.**, Girtan M., Stefan N. (2016) Flexible heterostructures based on metal phthalocyanines thin films obtained by MAPLE, Applied Surface Science 374: 403–410. **IF (2016) = 3.387; AIS= 0.589**
10. Bjelajac A., Djokic V., Petrovic R., Stan G.E., Socol G., **Popescu-Pelin G.**, Mihailescu I.N., Janackovic D. (2015) Pulsed laser deposition method for fabrication of CdS/TiO₂ and pbs photoelectrodes for solar energy application, Digest Journal of Nanomaterials and Biostructures 10(4): 1411-1418. **IF (2015) = 0.756; AIS= 0.139**
11. **Popescu-Pelin G.**, Craciun D., Socol G., Cristea D., Floroian L., Badea M., Socol M., Craciun V. (2015) Investigations of pulsed laser deposited TiN thin films for titanium implants, Romanian Reports in Physics 67(4): 1491–1502. **IF (2015) = 1.367; AIS= 0.184**
12. Rosca T., Bazgan S., Dorcioman G., Ristoscu C., **Popescu-Pelin G.**, Enaki N., Mihailescu I.N. (2016) Temperature control of crystalline status and phenomenological modes, Romanian Reports in Physics 68(1): 241–248. **IF (2016) = 1.467; AIS= 0.242**
13. Bucă A., Damian V., Oane M., Medianu R.V., Mihăilescu I.N., **Popescu-Pelin G.** (2016) The temperature field distributions in a Fe target under low power laser irradiation and low heat transfer coefficient conditions: experiments versus simulations, Optoelectronics and Advanced Materials-Rapid Communications 10 (1-2): 29 - 31. **IF (2016) = 0.470; AIS= 0.074**
14. Visan A., Stan G.E., Ristoscu C., **Popescu-Pelin G.**, Sopronyi M., Besleaga C., Luculescu C., Chifiriuc M.C., Hussien M.D., Marsan O., Kergourlay E., Grossin D., Brouillet F., Mihailescu I.N. (2016) Combinatorial MAPLE deposition of antimicrobial orthopedic maps fabricated from chitosan and biomimetic apatite powders, International Journal of Pharmaceutics 511(1):505-15. **IF (2016) = 3,649; AIS= 0.766**
15. Mihailescu I.N., Bociaga D., Socol G., Stan G.E., Chifiriuc M.-C., Bleotu C., Husanu M.A., Luculescu C.R., **Popescu-Pelin G.**, Duta L., Negut I., Hapenciu C., Besleaga C., Zgura I., Miculescu F. (2016) Fabrication of antimicrobial Silver-doped Carbon structures by combinatorial pulsed laser deposition, International Journal of Pharmaceutics 515(1-2): 592-606. **IF (2016) = 3,649; AIS= 0.766**
16. **Popescu-Pelin G.**, Sima F., Sima L.E., Socol G., Mihailescu C.N., Luculescu C., Iordache I., Socol M., Mihailescu I. N. (2017) Hydroxyapatite thin films grown by pulsed laser deposition and matrix assisted pulsed laser evaporation: comparative study, Applied Surface Science 418(Part B): 580-588. **IF (2017) = 4.439; AIS= 0.627**
17. Gakovic B., Petrovic S., Albu C., Zamfirescu M., Panjan P., Milovanovic D., **Popescu-Pelin G.**, Mihailescu I.N. (2017) Precise femtosecond laser crater fabrication in hard nanolayered AlTiN/TiN coating on steel substrate, Optics and Laser Technology 89: 200-207. **IF (2017) = 2.503; AIS= 0.414**

18. Sufaru L., Oane M., **Popescu-Pelin G.**, Mihailescu N., Buca A., Mihailescu I.N. (2017) Medium power laser versus electron beam interaction in graphite bulk target processing: A theoretical analysis, *Optoelectronics and Advanced Materials-Rapid Communications* 11(3-4): 161-163. **IF (2017) = 0.386; AIS= 0.059**
19. Mihailescu I.N., Bociaga D., **Popescu-Pelin G.**, Stan G.E., Duta L., Socol G., Chifiriuc M.C., Bleotu C., Lazar V., Husanu M.A., Zgura I., Miculescu F., Negut I., Hapenciuc C. (2017) Optimized silicon reinforcement of carbon coatings by pulsed laser technique for superior functional biomedical surfaces fabrication, *Biofabrication* 9(2), article number: 025029. **IF (2017) = 6.838; AIS= 1.399**
20. Rasoga O., Sima L., Chiritoiu M., **Popescu-Pelin G.**, Fufa O., Grumezescu V., Socol M., Stanculescu A., Zgura I., Socol G. (2017) Biocomposite coatings based on Poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/calcium phosphates obtained by MAPLE for bone tissue engineering, *Applied Surface Science* 417: 204-212. **IF (2017) = 4.439; AIS= 0.627**
21. Socol M., Preda N., Stanculescu A., Breazu C., Florica C. Stanculescu F., Iftimie S., Girtan M., **Popescu-Pelin G.**, Socol G. (2017) Organic heterostructures deposited by MAPLE on AZO substrate, *Applied Surface Science* 417: 196-203. **IF (2017) = 4.439; AIS= 0.627**
22. Oane M., Mihăilescu I.N., Bucă A., Ristoscu C., **Popescu-Pelin G.**, Ticoș C.M. (2017) Two-temperature model using the Cattaneo-Vernotte equation in the Anisimov-Nolte model for application in laser additive manufacturing, *Digest Journal of Nanomaterials and biostructures* 12(4): 1247-1257. **IF (2017) = 0.673; AIS= 0.143**
23. Oane M., **Popescu-Pelin G.**, Ticos D, Șufaru L, Iacob N, Buca A, Pacala O., Mihailescu N., Mihăilescu I.N. (2018) Thermal phenomena by interaction between 6 MeV electron beams with double samples of C and W, *Optoelectronics and Advanced Materials-Rapid Communications* 12(1-2): 63-67. **IF (2018) = 0.452; AIS= 0.072**
24. Popescu A.C., Florian P.E., Stan G.E., **Popescu-Pelin G.**, Zgura I., Enculescu M., Oktar F.N., Trusca R., Sima L.E., Roseanu A., Duta L. (2018) Physical-chemical characterization and biological assessment of simple and lithium-doped biological-derived hydroxyapatite thin films for a new generation of metallic implants, *Applied Surface Science* 439: 724-735. **IF (2018) = 5.155; AIS= 0.671**
25. **Popescu-Pelin G.**, Fufă O., Popescu, R.C., Savu D., Socol M., Zgură I., Holban A.M., Vasile B.Ș., Grumezescu V., Socol G. (2018) Lincomycin–embedded PANI–based coatings for biomedical applications, *Applied Surface Science* 455: 653-666. **IF (2018) = 5.155; AIS= 0.671**
26. Duta L., Chifiriuc M.C., **Popescu-Pelin G.**, Bleotu C., Gradisteanu G, Anastasescu M, AchimA, Popescu, A. (2019) Pulsed Laser Deposited Biocompatible Lithium-Doped Hydroxyapatite Coatings with Antimicrobial Activity, *Coatings* 9(1) Article Number: 54. **IF (2018) = 2.330; AIS= 0.369**
27. Visan A.I., **Popescu-Pelin G.**, Gherasim O, Grumezescu V, Socol M, Zgura I, FloricaC, Popescu R.C., Savu D., Holban A.M., Cristescu R., Matei C.E., Socol G. (2019) Laser Processed Antimicrobial Nanocomposite

Based on Polyaniline Grafted Lignin Loaded with Gentamicin-Functionalized Magnetite, *Polymers* 11(2) Article Number: 283. **IF (2018) = 3.164; AIS= 0.592**

28. Lungu J., Socol G., Stan G.E., Ștefan N., Luculescu C., Georgescu A., **Popescu-Pelin G.**, Prodan G., Gîrțu M.A., Mihăilescu I.N. (2019) Pulsed Laser Fabrication of TiO₂ Buffer Layers for Dye Sensitized Solar Cells, *Nanomaterials (Basel)* 9(5): 746. **IF (2018) = 4.034; AIS= 0.704**

Capitole de carte:

1. **Popescu-Pelin G.**, Ristoscu C., Mihailescu I.N. *Laser ablation of biomaterials*, capitolul 5 în *Applications of Laser Ablation - Thin Film Deposition, Nanomaterial Synthesis and Surface Modification*, ed. Dongfang Yang, InTech, pp. 103-127 ISBN 978-953-51-4892-0, DOI: 10.5772/65197 (2016).
2. **Popescu-Pelin G.**, Ristoscu C.G., Badiceanu M. and Mihailescu I.N. *Protected Laser Evaporation/Ablation and Deposition of Organic/Biological Materials: Thin Films Deposition for Nanobiomedical Applications*, capitol 3 în *Laser Ablation - From Mechanisms to Applications*, ed. Tatiana E. Itina, InTech, pp. 57-79, ISBN 978-953-51-3700-9 (2017).
3. Enaki N., Bizgan S., Nistoreanu A., Tonu V., Turcan M., Pislari T., Starodub E., Profir A., **Popescu-Pelin G.-F.**, Badiceanu M., Ristoscu C.- G. and Mihailescu I.N. *Efficient Microbial Decontamination of Translucent Liquids and Gases Using Optical Metamaterials*, capitol 9 în *Advanced Surface Engineering Research*, ed. Chowdhury M. A., InTech, pp. 169-198 (2018).

Annex 2.pdf

Scientific papers presented on International Conferences:

1. Grigorescu S., Cristescu R., Axente E., **Popescu-Pelin G.**, Mihailescu I.N., Forsea A.M., Stamatina I., Hindie M., Galle O., Chrisey D.B. (2011) *Laser direct writing of fibronectin for idealized skin scaffold constructs*, E-MRS Conference, May 9-13, Nice, France.
2. Socol G., Duta L., Stefan N., Axente E., Mihailescu C.N., **Popescu-Pelin G.**, Galca C., Luculescu C., Socol M., Stanculescu A., Craciun D., Mihailescu I.N., Craciun V. (2011) *Optical, structural and electrical properties of transparent conductive Nd:TiO thin films obtained by Pulsed Laser Deposition*, E-MRS Conference, May 9-13, Nisa, France.
3. Socol G., Socol M., Stefan N., Axente E., **Pelin G.**, Craciun D., Duta L., Mihailescu C.N., Mihailescu I.N., Stanculescu A., Visan D., Galca A.C., Craciun V. (2011) *Pulsed Laser Deposition of Transparent Conductive Oxide thin films on flexible substrates*, E-MRS Conference, September 19-23, Warsaw, Poland.
4. Duta L., Badita L.L., Capitanu L., **Popescu-Pelin G.**, Luculescu C.R., Serban N., Moga S., Negrea D., Mihailescu I.N. (2012) *Morpho-structural and tribological characterization of TiN films synthesized by PLD*, E-MRS Conference, May 17, Strasbourg, France.
5. Cristescu R., Axente E., Grigorescu S., Dorcioman G., **Popescu-Pelin G.**, Mihailescu I.N., Forsea A.M., Lupu M., Stamatina I., Chrisey D.B. (2012) *Engineering the cellular niche using laser direct writing*, E-MRS Conference, May 18, Strasbourg, France.
6. Duta L., Oktar F.N., Stan G.E., **Popescu-Pelin G.**, Serban N., Luculescu C., Mihailescu I.N. (2012) *Characterization of novel doped hydroxyapatite thin films obtained by Pulsed Laser Deposition*, E-MRS Conference, May 15, Strasbourg, France.
7. Socol G., Socol M., Galca A.C., Luculescu C.R., Stefan N., Axente E., **Pelin G.**, Craciun D., Duta L., Mihailescu C.N., Mihailescu I.N., Stanculescu A., Visan D., Craciun V. (2012) *Optical and electrical properties of SixGe1-x (0*, E-MRS Conference, May 14 mai, Strasbourg, France.
8. Socol G., Socol M., Stefan N., Axente E., **Pelin G.**, Craciun D., Duta L., Mihailescu C.N., Mihailescu I.N., Stanculescu A., Visan D., Galca A. C., Craciun V. (2012) *CdTe/CdS thin-film solar cells fabricated by Pulsed Laser Deposition Pulsed Laser Deposition of CdTe/CdS thin-film solar cells*, E-MRS Conference, May 14 mai, Strasbourg, France.
9. Craciun V., Socol G., Luculescu C., **Popescu-Pelin G.**, Galca A.C., Stoflea E.L., Lungu G.A., Teodorescu C.M. (2012) *Measurements of Band Offsets in HfO2 / IZO Heterojunctions by XPS*, E-MRS Conference, May 16, Strasbourg, France.

10. Serban N., Duta L., Oktar F.N., Stan G.E., Luculescu C., **Popescu-Pelin G.**, Mihailescu I.N. (2013) *Nanostructured thin films of doped hydroxyapatite with MgF₂, MgO or Ti transferred by pulsed laser deposition*, E-MRS Spring Meeting, May 27-31, Strasbourg, France.
11. Socol G., Socol M., Stefan N., Axente E., **Popescu-Pelin G.**, Craciun D., Duta L., Mihailescu I.N., Stanculescu A., Visan D., Galca A.C., Jelinek M., Craciun V. (2013) *CdS/CdTe/ZnTe thin-film solar cells fabricated by Pulsed Laser Deposition*, E-MRS Spring Meeting, May 27-31, Strasbourg, France.
12. **Popescu-Pelin G.**, Axente E., Sima F., Iordache I., Nita C., Visan A., Dorcioman G., Zgura I., Rasoaga O.L., Breazu CS, Stanculescu A., Socol G., Mihailescu I.N. (2014) *Comparative study on the deposition of polymeric coatings based on PCL/PLGA blends*, E-MRS, May 27-29, Lille, France.
13. **Popescu-Pelin G.**, Sima F., Socol G., Socol M., Mihailescu C.N., Visan A., Ristoscu C., Gallet O., Anselme K., Mihailescu I.N. (2014) *Hydroxyapatite thin films obtained by PLD and MAPLE: comparative study of physical, chemical and biological properties*, E-MRS, May 27-29, Lille, France.
14. Socol G., Grumezescu V., Nita C., Dorcioman D., Stefan N., Miroiu M., Zgura I., Socol M., Visan A., **Popescu-Pelin G.**, Cristescu R., Rasoga O., Breazu C.S., Stanculescu A. (2014) *Deposition and characterization of calcium phosphates/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) biocomposite coatings*, E-MRS, May 27-29, Lille, France.
15. Sopronyi M., Nita C., Grumezescu V., Rasoga O.L., Stefan N. Brezu C.S., Socol M., Zgura I., Visan A., **Popescu-Pelin G.**, Stanculescu A., Mihailescu I.N., Socol G. (2014) *Deposition and characterization of polyethylene glycol/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) blends*, E-MRS, May 27-29, Lille, France.
16. **Popescu-Pelin G.**, Axente E., Sima F., Iordache I., Nita C., Visan A., Zgura I., Rasoaga O.L., Breazu C.S., Stanculescu A., Socol G., Mihailescu I.N. (2014) *Deposition of polymeric coatings based on PCL/PLGA blends: a comparative study*, IBWAP, July 2-4, Constanta, Romania.
17. Negut I., **Popescu-Pelin G.**, Ristoscu R., Floroian L., Mihailescu I.N. (2014) *Progress in low price stainless steel implants coated with bioglasses and poly (methyl-methacrylate) by advanced pulsed technologies*, NATO ASI, May 22 – June 6, Sozopol, Bulgaria.
18. **Popescu-Pelin G.**, Craciun D., Craciun V., Socol G., Stefan N., Galca A.C., Becherescu N., Mihailescu I.N. (2014) *Optical and electrical properties of complex transition metal oxides grown by combinatorial PLD technique*, INERA Workshop, September 4-6, Varna, Bulgaria.
19. **Popescu-Pelin G.**, Axente E., Sima F., Iordache I., Nita C., Visan A., Zgura I., Rasoaga O.L., Breazu C.S., Stanculescu A., Mihailescu I.N., Socol G. (2014) *Deposition of degradable polymeric coatings based on lysozyme embedded into poly(ε-caprolactone)/poly(lactic acid-co-glycolic acid) blends: a comparative study*, E-MRS, September 15-18, Warsaw, Poland.
20. **Popescu-Pelin G.**, Axente E., Sima F., Iordache I., Nita C., Visan A., Zgura I., Rasoaga O.L., Breazu C.S., Stanculescu A., Socol G. Mihailescu I.N. (2014) *Polymeric coatings based on poly(ε-*

caprolactone)/poly(lactic acid-co-glycolic acid) deposited by MAPLE and dip-coating techniques: a comparative study, ISCP, September 23-26, Oraştie, Romania.

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Annex 3.pdf

Patent applications:

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