

## International Conferences, Congresses, Seminars and Schools

125. *“Influence of the pulsed laser deposition conditions on the microstructure and mechanical properties of thin AlN films”*, A. Szekeres, A. Cziraki, Zs. Fogarassy, L. Kolaklieva, V. Chitanov, P. Terziyska, G.E. Stan, I.N. Mihailescu, **L. Duta**, poster presentation (PB-4) at Twenty-First International Summer School On Vacuum, Electron And Ion Technologies (VEIT 2019), Sozopol, Bulgaria, 23-rd – 27-th September 2019;
124. *“Study of different metal oxides films for integration in piezoelectric microsystems”*, H. Stroescu, M. Anastasescu, M. Chelu, E. Tenea, D. Mitrea, P. Terziyska, A. Szekeres, C. Moldovan, **L. Duta**, I.N. Mihailescu, R. Birjega, I. Boierasu, M. Dinescu, G.E. Stan, M. Zaharescu, M. Gartner, oral presentation (PR-13) at Twenty-First International Summer School On Vacuum, Electron And Ion Technologies (VEIT 2019), Sozopol, Bulgaria, 23-rd – 27-th September 2019;
123. *“Biological-derived hydroxyapatite coatings synthesized by PLD from renewable resources”*, **L. Duta**, M.C. Chifiriuc, G.E. Stan, F.N. Oktar, V. Craciun, poster presentation (V.P1.29 – invited for Young Scientists Forum, V.YSF.23) at E-MRS Fall Meeting, Warsaw University of Technology - Plac Politechniki 1, Warsaw, Poland, 16<sup>th</sup> – 19<sup>th</sup> September, 2019;
122. *“AlN thin films for piezoelectric devices”*, H. Stroescu, M. Anastasescu, **L. Duta**, I.N. Mihailescu, G.E. Stan, A. Szekeres, C. Moldovan, M. Zaharescu, M. Gartner, oral presentation (F 1.6) at E-MRS Spring Meeting, Nice, France (Congress & Exhibition Centre Acropolis), May 27<sup>th</sup> to 31<sup>st</sup>, 2019;
121. *“Biocompatible biological-derived hydroxyapatite coatings with antimicrobial activity”*, **L. Duta**, M.C. Chifiriuc, G.E. Stan, F.N. Oktar, V. Craciun, oral presentation (V 5.2) at E-MRS Spring Meeting, Nice, France (Congress & Exhibition Centre Acropolis), May 27<sup>th</sup> to 31<sup>st</sup>, 2019;
120. *“Implant-type bioceramic coatings synthesized from various low-cost sustainable biological-derived resources: physical-chemical properties and in vitro biofunctional performance”*, **L. Duta**, oral presentation at Workshop CETAL, National Institute for Lasers, Plasma and Radiation Physics, Magurele, Romania, July 17<sup>th</sup> - 18<sup>th</sup>, 2018;
119. *“Lithium-doped biological hydroxyapatite coatings for biomedical applications”*, **L. Duta**, A.C Popescu, G.E. Stan, G. Popescu-Pelin, P.E. Florian, A. Roseanu, I. Zgura, F.N. Oktar, poster presentation (F.P1.27) at EMRS Spring Meeting Symposium F – Biomaterials and nanomedicine - Advanced biomaterials: elaboration, nanostructure, interfaces with tissues, Convention Center of Strasbourg, France, June 18<sup>th</sup> – 22<sup>nd</sup>, 2018;
118. *“Physico-chemical and biological evaluation of synthetic and lithium-doped biological hydroxyapatite coatings obtained by PLD”*, G. Popescu-Pelin, G. Stan, S. Ciuca, F.N. Oktar, A. Achim, A. Berbecaru, **L. Duta**, poster presentation (F.P2.27) at EMRS Spring Meeting Symposium F – Biomaterials and nanomedicine - Advanced

biomaterials: elaboration, nanostructure, interfaces with tissues, Convention Center of Strasbourg, France, June 18<sup>th</sup> – 22<sup>nd</sup>, 2018;

117. “*Mechanical, optical and structural properties of aluminum nitride synthesized by Pulsed Laser Deposition*”, L. Kolaklieva, V. Chitanov, K. Antonova, P. Terziyska, A. Szekeres, P. Petrik, Zs. Fogarassy, A. Romanenko, **L. Duta**, I. N. Mihailescu, poster presentation (X.PI.16) at EMRS Spring Meeting Symposium X – Material processing and characterization - Photon-assisted synthesis and processing of materials in nano-microscale, Convention Center of Strasbourg, France, June 18<sup>th</sup> – 22<sup>nd</sup>, 2018;
116. “*Lithium-doped biological-derived hydroxyapatite coatings synthesized by pulsed laser deposition for biomedical applications*”, Paula E. Florian, A.C. Popescu, G.E. Stan, G. Popescu-Pelin, I. Zgura, F.N. Oktar, Livia Elena Sima, Anca Roseanu, **Liviu Duta**, poster presentation (P 22) – selected for oral presentation – at "The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology", Romanian Academy Library, Heliade Radulescu Amphitheatre, Bucharest, September 5<sup>th</sup> – 7<sup>th</sup>, 2018;
115. “*Novel biocompatible lithium-doped hydroxyapatite coatings with antimicrobial activity synthesized by Pulsed Laser Deposition*”, **L. Duta**, M.C. Chifiriuc, G. Popescu-Pelin, C. Bleotu, G.P. Gradisteanu, A.C. Popescu, V. Craciun, poster presentation (D.P.18) at EMRS Fall Meeting Symposium D – Layered, hybrid and biomaterials - Multifunctional advanced composite materials: from idea to market, Warsaw University of Technology, Poland, September 17<sup>th</sup> – 20<sup>th</sup>, 2018;
114. “*Pulsed laser deposition of biocompatible lithium-doped biological-derived hydroxyapatite coatings with antimicrobial properties*”, **L. Duta**, M.C. Chifiriuc, G. Popescu-Pelin, C. Bleotu, G.P. Gradisteanu, A.C. Popescu, V. Craciun, poster presentation (T9-P2) at "12<sup>th</sup> International Conference on Physics of Advanced Materials (ICPAM-12)", Heraklion, Greece, September 22<sup>nd</sup> – 28<sup>th</sup>, 2018;
113. “*Optical and mechanical properties of aluminum nitride nanostructured thin films synthesized by pulsed laser deposition at different temperatures*”, K. Antonova, A. Szekeres, L. Kolaklieva, V. Chitanov, H. Stroescu, M. Gartner, **L. Duta**, I.N. Mihailescu, poster presentation at „Twentieth International Summer School on Vacuum, Electron and Ion Technologies (VEIT)”, Sozopol, Bulgaria, 25<sup>th</sup>–29<sup>th</sup> September, 2017;
112. “*Simple and reinforced biological-derived hydroxyapatite coatings for metallic implants*”, **L. Duta**, G.E. Stan, A.C. Popescu, P.E. Florian, G. Popescu-Pelin, V. Grumezescu, A. Achim, M. Enculescu, I. Zgura, F.N. Oktar, A. Roseanu, poster presentation at „15th Conference & Exhibition of the European Ceramic Society (ECerS2017)”, Budapest, Hungary, 9<sup>th</sup>–13<sup>th</sup> July, 2017;
111. “*Physical-chemical characterization and biological assessment of bovine derived hydroxyapatite thin films synthesized by pulsed laser deposition for a new generation of metallic implants*”, Paula E. Florian, Andrei C. Popescu, George E. Stan, Gianina Popescu-Pelin, M. Enculescu, Irina Zgura, Faik N. Oktar, Livia E. Sima, Anca Roseanu, **Liviu M. Duta**, poster presentation at Annual International Conference of Romanian

Society of Biochemistry and Molecular Biology (RSBMB), Timisoara, Romania, 8<sup>th</sup>–9<sup>th</sup> June, 2017;

110. “*Physical, chemical and in vitro assessment of biological-derived HA thin films for a new generation of metallic implants*”, **L. Duta**, G.E. Stan, A.C. Popescu, G. Popescu-Pelin, A. Achim, M. Enculescu, I. Zgura, P.E. Florian, A. Roseanu, F.N. Oktar, poster presentation (X P\_1.27) at EMRS Spring Meeting, Symposium X „New frontiers in laser interaction: from hard coatings to smart materials”, Strasbourg Convention Center, France, 22<sup>nd</sup>–26<sup>th</sup> May, 2017;
109. “*TEM and AFM Studies of AlN films synthesized by Pulsed Laser Deposition*”, Zs. Fogarassy, P. Petrik, **L. Duta**, G. Stan, I.N. Mihailescu, M. Anastasescu, M. Gartner, K. Antonova, A. Szekeres, poster presentation (X P\_1.20) at EMRS Spring Meeting, Symposium X „New frontiers in laser interaction: from hard coatings to smart materials”, Strasbourg Convention Center, France, 22<sup>nd</sup>–26<sup>th</sup> May, 2017;
108. “*Structure and biocompatibility properties of hydroxyapatite coatings deposited by pulsed laser technique*”, Sorin Ciuca, **Liviu Duta**, Andrei Berbecaru, Mihai Branzei, Ruxandra Paunescu-Dumitrescu, Olivia Dobrica, Ioana Gherghescu, oral presentation at „6<sup>th</sup> International Conference on Materials Science and Technology (ROMAT2016)”, Bucharest, Romania, 9<sup>th</sup> – 12<sup>th</sup> November, 2016;
107. “*In vitro investigations of highly adherent biological hydroxyapatite thin films for a new generation of implants*”, G. Popescu-Pelin, G.E. Stan, A.C. Popescu, V. Grumezescu, M. Enculescu, C. Besleaga, I. Zgura, P.E. Florian, L.E. Sima, A. Roseanu, F.N. Oktar, I.N. Mihailescu, **L. Duta**, poster presentation (P–22) at International symposium „Priorities of Chemistry for a Sustainable Development” (PRIOCHEM, 12<sup>th</sup> edition), Bucharest, Romania, October 27<sup>th</sup> – 28<sup>th</sup>, 2016;
106. “*The effect of a “seed” layer upon multi-stage Pulsed Laser Deposition of Aluminum Nitride structures at different substrate temperatures*”, **Liviu-Marian Duta**, Hermine Maria Stroescu, George Stan, Mihai Anastasescu, Măriuca Gartner, Zsolt Fogarassy, Anna Szekeres and Ion Mihăilescu, poster presentation (S05-P10) at International Conference of Physical Chemistry (ROMPHYSICHEM 16), „Dunarea de Jos” University of Galati, Romania, September 21<sup>st</sup> – 23<sup>rd</sup>, 2016;
105. “*In vitro assessment of reinforced biological hydroxyapatite thin films for implantology applications*”, **L. Duta**, A.C. Popescu, G.E. Stan, G. Popescu-Pelin, I.N. Mihailescu, P.E. Florian, L.E. Sima, A. Roseanu, F.N. Oktar, poster presentation (P84) at 10<sup>th</sup> International Conference on Photoexcited Processes and Applications (ICPEPA-10), Brasov, Romania, August 29<sup>th</sup> – September 2<sup>nd</sup>, 2016;
104. “*Pulsed laser deposition of simple and reinforced biological hydroxyapatites for medical applications*”, **Liviu Duta**, Jeanina Lungu, George Stan, Andrei Popescu, Gianina Popescu-Pelin, Carmen Ristoscu, Faik Oktar, Ion Mihailescu, poster presentation (S2 P20) at 16<sup>th</sup> International Balkan Workshop on Applied Physics, Constanta, Romania, July 7<sup>th</sup> – 9<sup>th</sup>, 2016;
103. “*Mechanical testing of diamond-like carbon double-layered films synthesized by pulsed laser deposition*”, A.C. Popescu, **L. Duta**, C. Popescu, D. Cristea, V. Craciun,

poster presentation (C.PII.29) at EMRS Spring Meeting Symposium C – Laser-material interactions for tailoring future applications, Lille, France, May 2<sup>nd</sup>–6<sup>th</sup>, 2016;

102. “*Effect of deposition temperature upon multi-stage Pulsed Laser Deposition of Aluminum Nitride structures*”, **L. Duta**, G.E. Stan, M. Anastasescu, H. Stroescu, M. Gartner, Zs. Fogarassy, S. Bakalova, N. Mihailescu, A. Szekeres, I.N. Mihailescu, A.C. Popescu, poster presentation (C.PI.35) at EMRS Spring Meeting Symposium C – Laser-material interactions for tailoring future applications, Lille, France, May 2<sup>nd</sup>–6<sup>th</sup>, 2016;
101. “*Comparative study between biological and synthetic hydroxyapatite thin films obtained by PLD for a new generation of implants*”, **L. Duta**, G.E. Stan, V. Grumezescu, C. Popescu, poster presentation (C.PII.39) at EMRS Spring Meeting Symposium C – Laser-material interactions for tailoring future applications, Lille, France, May 2<sup>nd</sup>–6<sup>th</sup>, 2016;
100. “*Functionalization of ultra-high molecular weight polyethylene acetabular cups with bioactive glass coatings synthesized by PLD*”, **L. Duta**, G. E. Stan, A. C. Popa, A. C. Popescu, poster presentation (C.PII.40) at EMRS Spring Meeting Symposium C – Laser-material interactions for tailoring future applications, Lille, France, May 2<sup>nd</sup>–6<sup>th</sup>, 2016;
99. “*The influence of thickness upon the biocompatibility of Titanium Nitride thin films synthesized by Pulsed Laser Deposition*”, **L. Duta**, G.E. Stan, A.C. Popa, A.C. Popescu, poster presentation (C.PI.34) at EMRS Spring Meeting Symposium C – Laser-material interactions for tailoring future applications, Lille, France, May 2<sup>nd</sup>–6<sup>th</sup>, 2016;
98. “*Highly adherent biological hydroxyapatite thin films reinforced with various oxides and metals for implantology applications*”, **L. Duta**, G.E. Stan, G. Popescu-Pelin, F.N. Oktar, N. Mihailescu, I.N. Mihailescu, A.C. Popescu, poster presentation (C.PII.39) at EMRS Spring Meeting Symposium C – Laser-material interactions for tailoring future applications, Lille, France, May 2<sup>nd</sup>–6<sup>th</sup>, 2016;
97. “*Orientation of the nanocrystallites in AlN thin film determined by FTIR spectroscopy*”, K. Antonova, Anna Szekeres, **L. Duta**, G.E. Stan, N. Mihailescu, I.N. Mihailescu, poster presentation (P3-1) at “Light in Nanoscience and Nanotechnology (LNN 2015)”, Hissar, Bulgaria, October 20<sup>th</sup>-22<sup>th</sup>, 2015;
96. “*Structural, optical and vibrational properties of nanostructured aluminum nitride films synthesized by multi-stage pulsed laser deposition*”, **L. Duta**, G.E. Stan, M. Anastasescu, H. Stroescu, M. Gartner, Zs. Fogarassy, N. Mihailescu, C. Luculescu, S. Bakalova, A. Szekeres, I.N. Mihailescu, poster presentation (PC-16) at “Nineteenth International Summer School on Vacuum, Electron and Ion Technologies (VEIT)”, Sozopol, Bulgaria, September 21<sup>st</sup>-25<sup>th</sup>, 2015;
95. “*SE method applied on thin films analysed with two different computer softwares – challenges and difficulties*”, H. Stoescu, M. Anastasescu, P. Terzyska, **L. Duta**, N. Mihailescu, A. Szekeres, M. Gartner, oral presentation at “7<sup>th</sup> International Workshop Advanced optical and X-ray characterization techniques of multifunctional materials for information and communication technologies, sensing and renewable energy

applications", Institute of Physical Chemistry "Ilie Murgulescu", Bucharest, Romania, September 16<sup>th</sup>-18<sup>th</sup>, 2015;

94. "Multi-stage pulsed laser deposition of Aluminium Nitride films: Effect of deposition temperature", **L. Duta**, G.E. Stan, M. Anastasescu, H. Stroescu, M. Gartner, Zs. Fogarassy, N. Mihailescu, A. Szekeres, S. Bakalova, I.N. Mihailescu, oral presentation at "7<sup>th</sup> International Workshop Advanced optical and X-ray characterization techniques of multifunctional materials for information and communication technologies, sensing and renewable energy applications", Institute of Physical Chemistry "Ilie Murgulescu", Bucharest, Romania, September 16<sup>th</sup>-18<sup>th</sup>, 2015;
93. "Structural and mechanical properties of DLC coatings synthesized by pulsed laser deposition", **Liviu Duta**, A.C. Popescu, C. Popescu, B. Bitu, A. Husanu, C. Himcinschi, G.E. Stan, V. Craciun, Penka Terziyska, A.Szekeres, poster presentation (F.31) at Symposium F, EMRS Fall Meeting, Warsaw University of Technology, Poland, September 15<sup>th</sup>-18<sup>th</sup>, 2015;
92. "Titanium surfaces coated with carbon and silver nanoparticles inhibit colonization and biofilm formation of Gram positive bacteria", M. Hussien, A.M. Holban, G. Socol, M. Popa, C. Bleotu, N. Mihailescu, **L. Duta**, G. Stan, V. Lazar, C. Hapenciuc, I. Negut, C. Ristoscu, I. Mihailescu, M.C. Chifiriuc, poster presentation at "The 6<sup>th</sup> EMBO meeting advancing the life sciences", Birmingham, United Kingdom, September 5<sup>th</sup>-8<sup>th</sup>, 2015;
91. "Matrix-Assisted Pulsed Laser Evaporation of lignin addition to simple and silver-doped hydroxyapatite thin films: structural and biological evaluation", N. Mihailescu, C. Ristoscu, A. Janković, S. Eraković, I.N. Mihailescu, G. E. Stan, **L. Duta**, A. Visan, A. C. Popa, M. A. Husanu, C. Bleotu, M. C. Chifiriuc, C. R. Luculescu, V. V. Srdić, Dj. Janačković, V. Mišković-Stanković, poster presentation (P.4.11) at International Conference "New Trends in Sensing- Monitoring- Telediagnosis for Life Sciences (NT SMT-LS)", Brasov, Romania, 3-5 September, 2015;
90. "Morphological and structural characterisation of Carbon thin films synthesized by Matrix Assisted Pulsed Laser Evaporation for medical applications", **L. Duta**, C. Ristoscu, E. Axente, A. Visan, I. N. Mihailescu, poster presentation (II.P.8.) at "11<sup>th</sup> International Conference on Optics "Micro- to Nano-Photonics IV" (ROMOPTO), Bucharest, Romania, September 1<sup>st</sup>-4<sup>th</sup>, 2015;
89. "Nanostructured thin films of reinforced hydroxyapatite with MgF<sub>2</sub> and MgO transferred by pulsed laser deposition", N. Mihailescu, G. E. Stan, M. C. Chifiriuc, C. Bleotu, **L. Duta**, I. Urzica, C. Luculescu, F. N. Oktar, I. N. Mihailescu, poster presentation (II.P.2.) at "11<sup>th</sup> International Conference on Optics "Micro- to Nano-Photonics IV" (ROMOPTO), Bucharest, Romania, September 1<sup>st</sup>-4<sup>th</sup>, 2015;
88. "Laser processing and immobilisation of TiO<sub>2</sub>/graphene oxide (GO)/noble metal nanocomposite materials", A. Datcu, **L. Duta**, A. Perez del Pino, C. Logofatu, A. Duta, E. Gyorgy, oral presentation (O1) at "11<sup>th</sup> International Conference on Optics "Micro- to Nano-Photonics IV" (ROMOPTO), Bucharest, Romania, September 1<sup>st</sup>-4<sup>th</sup>, 2015;

87. “*Smart technology for soft pulsed laser transfer of organic and biological compound*”, I.N. Mihailescu, C. Ristoscu, G. Socol, G.E. Stan, **L. Duta**, I. Negut, A. Visan, invited lecture at „Smart Engineering of New Materials (SENM)” Conference, Lodz, Poland, June 23<sup>rd</sup>-25<sup>th</sup>, 2015;
86. “*Morphological and structural characterization of Carbon thin films synthesized by Matrix Assisted Pulsed Laser Evaporation for medical applications*”, **Duta L.**, Ristoscu C., Axente E., Visan A., Mihailescu I.N., oral presentation at „Smart Engineering of New Materials (SENM)” Conference, Lodz, Poland, June 23<sup>rd</sup>-25<sup>th</sup>, 2015;
85. “*Hard protective Co-doped DLC films synthesized by PLD for cutting and drilling tools*”, C. Popescu, **L. Duta**, G. Socol, G.E. Stan, M. Husanu, S. Iordache, I. Stamatina, C. Himcinschi, V. Craciun, A.C. Popescu, poster presentation (EE-PI 32) at Symposium EE, EMRS Spring Meeting, Lille, France, May 11<sup>th</sup> -15<sup>th</sup>, 2015;
84. “*Highly adherent biological hydroxyapatite thin films grown by Pulsed Laser Deposition for a new generation of implants*”, **L. Duta**, G.E. Stan, N. Serban, F.N. Oktar, I. N. Mihailescu, poster presentation (CC.PI 54) at Symposium CC, EMRS Spring Meeting, Lille, France, May 11<sup>th</sup> -15<sup>th</sup>, 2015;
83. “*In-vitro biological assessment of ultra-high molecular weight polyethylene acetabular cups functionalized with bioactive glass coatings by pulsed laser deposition*”, **L. Duta**, G.E. Stan, A.C Popescu, A.C. Popa, F. Miculescu, I.N. Mihailescu, poster presentation (CC.PI 51) at Symposium CC, EMRS Spring Meeting, Lille, France, May 11<sup>th</sup> -15<sup>th</sup>, 2015;
82. “*Ag:hydroxyapatite coatings with antifungal activity synthesized by pulsed laser deposition on Ti and Ti modified by TiO<sub>2</sub> nanotubes substrates*”, A. Visan, S. Erakovic, A. Jankovic, C. Ristoscu, **L. Duta**, N. Mihailescu (Serban), G.E. Stan, M. Socol, O. Iordache, I. Dumitrescu, C.R. Luculescu, I.N. Mihailescu, Dj. Janackovic, V. Miskovic-Stankovic, poster presentation (CC.PI 35) at Symposium CC, EMRS Spring Meeting, Lille, France, May 11<sup>th</sup> -15<sup>th</sup>, 2015;
81. “*Structural and biological characterization of lignin incorporation to simple and silver-doped hydroxyapatite coatings synthesized by matrix-assisted pulsed laser evaporation*”, A. Visan, A. Janković, S. Eraković, C. Ristoscu, N. Mihailescu (Serban), **L. Duta**, G.E. Stan, A.C. Popa, M.A. Husanu, C.R. Luculescu, V.V. Srdić, Dj. Janačković, V. Mišković-Stanković, C. Bleotu, M.C. Chifiriuc, I.N. Mihailescu, poster presentation (CC.PI 33) at Symposium CC, EMRS Spring Meeting, Lille, France, May 11<sup>th</sup> -15<sup>th</sup>, 2015;
80. “*Photocatalytic nanocomposite materials grown by matrix assisted pulsed laser evaporation*”, A. Datcu, **L. Duta**, A. Perez del Pino, C. Luculescu, C. Logofatu, A. Enesca, A. Duta, E. Gyorgy, oral presentation (CC.32) at Symposium CC, EMRS Spring Meeting, Lille, France, May 11<sup>th</sup> -15<sup>th</sup>, 2015;
79. “*Multi-stage pulsed laser deposition of Aluminum Nitride at different temperatures*”, **L. Duta**, G.E. Stan, M. Anastasescu, H. Stroescu, M. Gartner, N. Mihailescu, C. Luculescu, S. Bakalova, A. Szekeres, I.N. Mihailescu, poster presentation (CC.PI 46) at Symposium CC, EMRS Spring Meeting, Lille, France, May 11<sup>th</sup> -15<sup>th</sup>, 2015;

78. “*Fabrication and characterizations of pure and doped hydroxyapatite coatings for medical applications*”, A. Visan, S. Erakovic, A. Jankovic, C. Ristoscu, **L. Duta**, N. Mihailescu (Serban), G.E. Stan, M. Socol, O. Iordache, I. Dumitrescu, C.R. Luculescu, I.N. Mihailescu, Dj. Janackovic, V. Miskovic-Stankovic, poster presentation at 4<sup>th</sup> International Colloquium “Physics of Materials” (PM-4), University „Polytechnica” of Bucharest, Bucharest, Romania, November, 13<sup>th</sup>-14<sup>th</sup>, 2014;
77. “*Pure and doped hydroxyapatite thin films synthesized by pulsed laser deposition for metal implant coatings*”, A. Visan, S. Erakovic, A. Jankovic, C. Ristoscu, **L. Duta**, N. Mihailescu (Serban), G.E. Stan, M. Socol, O. Iordache, I. Dumitrescu, C.R. Luculescu, I.N. Mihailescu, Dj. Janackovic, V. Miskovic-Stankovic, oral presentation (O.10) at 5<sup>th</sup> International Student Conference on Photonics (ISCP), Orastie, Romania, September 23<sup>rd</sup>-26<sup>th</sup>, 2014;
76. “*Transparent conductive oxides grown by combinatorial PLD technique*”, G. Popescu-Pelin, D. Craciun, V. Craciun, G. Socol, A. C. Galca, A. Visan, C.R. Luculescu, A. Stanculescu, M. Socol, N. Stefan, E. Axente, **L. Duta**, C.N. Mihailescu, V. Sava, Ion N. Mihailescu, poster presentation (P.23) at 5<sup>th</sup> International Student Conference on Photonics (ISCP), Orăștie, Romania, September 23<sup>rd</sup>-26<sup>th</sup>, 2014;
75. “*Hard DLC protective coatings synthesized by Pulsed Laser Deposition*”, A.C. Popescu, **L. Duta**, C. Nita, G.E. Stan, C Popescu, M. Husanu, B. Bitu, R. Ghisleni, C. Himcinschi, A. Surdu, oral presentation (6 20) at Symposion G, EMRS Fall Meeting, Warsaw University of Technology, Poland, September 15<sup>th</sup>-19<sup>th</sup>, 2014;
74. “*Nanostructured glass coatings synthesized by pulsed laser deposition*”, **L. Duta**, A.C. Popescu, A.C. Popa, I.N. Mihailescu, invited oral presentation at 6<sup>th</sup> International Workshop "Advanced optical and X-ray characterization techniques of multifunctional materials for information and communication technologies, health and renewable energy applications", “Ilie Murgulescu” Institute of Physical Chemistry, Romanian Academy, Bucharest, Romania, September 10<sup>th</sup>-14<sup>th</sup>, 2014;
73. “*ZnO and hydrophobin thin coatings on textiles substrates for biomedical applications*”, Anita Ioana Visan, A.C. Popescu, G. E. Stan, **L. Duta**, G. Dorcioman, O. Iordache, I. Dumitrescu, I. Pasuk, I. N. Mihailescu, poster presentation (C.2) at „Transition Metal Oxide Thin Films-functional Layers in “Smart windows” and Water Splitting devices: Technology and Optoelectronic properties” Workshop (INERA), Varna, Bulgaria, September 4<sup>th</sup>-6<sup>th</sup>, 2014;
72. “*Multilayered AlN thin films synthesized on silicon substrates by pulsed laser deposition at different temperatures*”, **L. Duta**, S. Bakalova, G.E. Stan, N. Mihailescu, A. Szekeres, I. N. Mihailescu, poster presentation (2.13) at 18<sup>th</sup> International School on Condensed Matter Physics, St. Constantine & Helena, Varna, Bulgaria, September 1<sup>st</sup>-6<sup>st</sup>, 2014;
71. “*DLC hard protective coatings synthesized by Pulsed Laser Deposition*”, C. Nita, **L. Duta**, G.E. Stan, C. Popescu, V. Craciun, M. Husanu, B. Bitu, R. Ghisleni, C. Himcinschi, A. C. Popescu, oral presentation (G.I 2) at Symposium G, EMRS Spring Meeting, Lille, France, May 26-30<sup>th</sup>, 2014;

70. “*Er and Eu doped TiO<sub>2</sub> thin films grown by matrix assisted pulsed laser evaporation from colloidal solutions: structure and optical properties*”, **L. Duta**, C. Nita, I. Camps, R. Serna, M. Borlaf, M. T. Colomer, R. Moreno, A. Pérez del Pino, C. Logofatu, E. György, poster presentation (JP.XI 26) at Symposium J, EMRS Spring Meeting, Lille, France, May 26-30<sup>th</sup>, 2014;
69. “*Light emitting TiO<sub>2</sub>: Eu thin films produced by matrix assisted pulsed laser evaporation from colloidal sols*”, I. Camps, **L. Duta**, C. Nita, E. György, M. Borlaf, R. Serna, C. Logofatu, M. T. Colomer, R. Moreno, poster presentation (I.P3. 10) at Symposium I, EMRS Spring Meeting, Lille, France, May 26-30<sup>th</sup>, 2014;
68. “*Transfer by pulsed laser deposition of biological hydroxyapatite thin films doped with MgF<sub>2</sub>, MgO and Ti*”, N. Mihailescu, G. E. Stan, **L. Duta**, F. N. Oktar, M. Sopronyi, C. Luculescu, M. C. Chifiriuc, C. Ristoscu, I. N. Mihailescu, poster presentation (JP.VIII 50) at Symposium J, EMRS Spring Meeting, Lille, France, May 26-30<sup>th</sup>, 2014;
67. “*Synthesis of biological hydroxyapatite thin films by pulsed laser deposition*”, **L. Duta**, G.E. Stan, N. Serban, F.N. Oktar, I.N. Mihailescu, poster presentation (JP.VIII 21) at Symposium J, EMRS Spring Meeting, Lille, France, May 26-30<sup>th</sup>, 2014;
66. “*Morphological, structural and biological characteristics of ultra-high molecular weight polyethylene acetabular cups functionalized with bioactive glass coatings by pulsed laser deposition*”, **L. Duta**, G.E. Stan, A.C Popescu, A.C. Popa, F. Miculescu, I.N. Mihailescu, poster presentation (JP.VIII 20) at Symposium J, EMRS Spring Meeting, Lille, France, May 26-30<sup>th</sup>, 2014;
65. “*Matrix Assisted Pulsed Laser Evaporation synthesis of biomimetic nanocrystalline apatite coatings for biomedical applications*”, A. Visan, D. Grossin, N. Stefan, **L. Duta**, F.M. Miroiu, G.E. Stan, M. Sopronyi, C. Luculescu, M. Freche, O. Marsan, C. Charvilat, S. Ciuca, I.N. Mihailescu, poster presentation (JP.VIII 5) at Symposium J, EMRS Spring Meeting, Lille, France, May 26-30<sup>th</sup>, 2014;
64. “*Matrix Assisted Pulsed Laser Evaporation synthesis of biomimetic nanocrystalline apatite coatings with applications in medicine*”, A. Visan, D. Grossin, N. Stefan, **L. Duta**, F.M. Miroiu, G.E. Stan, M. Sopronyi, C. Luculescu, M. Freche, O. Marsan, C. Charvilat, S. Ciuca, I.N. Mihailescu, oral presentation (O5) at International Conference "Modern laser applications" Fourth Edition, Bran, Romania, 19-23<sup>rd</sup> May, 2014;
63. “*Laser assembling of thin bioceramic and biocomposite films on titanium utilizing Pulsed laser deposition (PLC) and Matrix-assisted pulsed laser evaporation (MAPLE) techniques*”, Sanja Eraković, Ana Janković, Carmen Ristoscu, **Liviu Duta**, Natalia Serban, Anita Visan, George E. Stan, Catalin Luculescu, Djordje Janacković, Ion N. Mihailescu, Vesna Mišković-Stanković, oral presentation at „12<sup>th</sup> Young Researchers’ Conference – Materials Science and Engineering (12YRC)”, SASA Institutes, Belgrade, Serbia, December 11-13<sup>th</sup>, 2013;
62. “*Pure and doped hydroxyapatite thin films synthesized by advanced laser techniques for metal implant coatings*”, A. Jankovic, N. Serban, **L. Duta**, S. Erakovic, C. Ristoscu, G.E. Stan, A. Visan, C. Luculescu, M.C. Chifiriuc, V. Miskovic-Stankovic, I.N. Mihailescu, oral presentation (O.4.7) at the „25<sup>th</sup> Symposium and Annual Meeting of



the International Society for Ceramics in Medicine (Bioceramics 25)", Bucharest, Romania, November 07-10<sup>th</sup>, 2013;

61. "*Titanium mesh implants biofunctionalized with hydroxyapatite thin films by pulsed laser deposition*", **L. Duta**, G.E. Stan, A.C. Popescu, I.N. Mihailescu, I. Poata, A. Chiriac, poster presentation (P21) at the „25<sup>th</sup> Symposium and Annual Meeting of the International Society for Ceramics in Medicine (Bioceramics 25)", Bucharest, Romania, November 07-10<sup>th</sup>, 2013;
60. "*Biomimetic nanocrystalline apatite coatings synthesized by Matrix Assisted Pulsed Laser Evaporation for medical applications*", A. Visan, D. Grossin, N. Stefan, **L. Duta**, F. M. Miroiu, M. Sopronyi, F. Miculescu, M. Freche, C. Charvilat, O. Marsan, S. Ciuca, I.N. Mihailescu, oral presentation (O.4.6) at the „25<sup>th</sup> Symposium and Annual Meeting of the International Society for Ceramics in Medicine (Bioceramics 25)", Bucharest, Romania, November 07-10<sup>th</sup>, 2013;
59. "*VIS/IR spectroscopy of AlN/Si thin films grown by pulsed laser deposition at 400°C and 800°C and various N<sub>2</sub> pressure*", S. Bakalova, A. Szekeres, M. Anastasescu, M. Gartner, **L. Duta**, G. Socol, C. Ristoscu, I. N. Mihailescu, oral presentation (OP-6) at „18<sup>th</sup> International Summer School on Vacuum, Electron and Ion Technologies (VEIT)", Sozopol, Bulgaria, October 7-11<sup>th</sup>, 2013;
58. "*Synthesis and characterization of anion doped and noble metal loaded TiO<sub>2</sub> photocatalysts*", **L. Duta**, C. Popescu, A. Popescu, C. Logofatu, A. Duta, E. György poster presentation (P2-80) at the „12<sup>th</sup> International Conference on laser Ablation (COLA)", Ischia, Italy, October 6-11<sup>th</sup>, 2013;
57. "*Influence of a hydrophobin buffer layer on the structuring and antimicrobial properties of ZnO thin films synthesized by PLD on textile materials*", **L. Duta**, A.C. Popescu, G.E. Stan, G. Dorcioman, I. Pasuk, I. Dumitrescu, I.N. Mihailescu, oral presentation (W09-K7) at „International Conference of Physical Chemistry (ROMPHYSICHEM)", 15<sup>th</sup> Edition, Bucharest, Romania, September 11-13<sup>th</sup>, 2013;
56. "*Biomimetic nanocrystalline apatite coatings synthesized by matrix assisted pulsed laser evaporation for medical applications*", A. Visan, D. Grossin, N. Stefan, **L. Duta**, F. M. Miroiu, M. Sopronyi, F. Miculescu, M. Freche, C. Charvilat, O. Marsan, S. Ciuca, I. N. Mihailescu, oral presentation at „10<sup>th</sup> International Student Conference of the Balkan Physical Union (ISCBPU)", Istanbul University, Faculty of Science, Istanbul, Turkey, September 3-5<sup>th</sup>, 2013;
55. "*Optimization of deposition conditions for synthesis of hard carbon thin films with high adherence and low surface energy*", C. Nita, A.C. Popescu, G.E. Stan, C. Popescu, **L. Duta**, V. Craciun, M. Husanu, B. Bitu, poster presentation (PP-27-SON) at „10<sup>th</sup> International Student Conference of the Balkan Physical Union (ISCBPU)", Istanbul University, Faculty of Science, Istanbul, Turkey, September 3-5<sup>th</sup>, 2013;
54. "*Silver/hydroxyapatite coating on pure and anodized titanium obtained by pulsed laser deposition*", S. Eraković, A. Janković, C. Ristoscu, **L. Duta**, N. Serban, A. Visan, I.N. Mihailescu, G.E. Stan, M. Socol, O. Iordache, I. Dumitrescu, C.R. Luculescu, Dj.

Janačković, V. Mišković-Stanković, poster presentation (P.S.E.12) at „15<sup>th</sup> Annual Conference (YUCOMAT)”, Herceg Novi, Montenegro, September 2-6<sup>th</sup>, 2013;

53. “*Biomimetic nanocrystalline apatite coatings synthesized by Matrix Assisted Pulsed Laser Evaporation for medical applications*“, A. Visan, D. Grossin, N. Stefan, **L. Duta**, F. M. Miroiu, M. Sopronyi, F. Miculescu, M. Freche, C. Charvilat, O. Marsan, S. Ciuca, I.N. Mihailescu, poster presentation (S4 P13) at the „13<sup>th</sup> International Balkan Workshop on Applied Physics and Materials Science (IBWAP)”, Constanta, Romania, July 4-6<sup>th</sup>, 2013;
52. “*Finishing treatment of textile materials with ZnO thin films or particles. Boost of antimicrobial efficiency in presence of hydrophobins*”, **L. Duta**, A.C. Popescu, G.E. Stan, I.N. Mihailescu, poster presentation (P.III-30) at “E-MRS Spring Meeting”, Symposium O, Strasbourg, France, May 27-31<sup>st</sup>, 2013;
51. “*Biofunctional, adherent hydroxyapatite thin films applied by Pulsed Laser Deposition onto titanium mesh implants for cranioplasty applications*”, **L. Duta**, G.E. Stan, A.C. Popescu, I.N. Mihailescu, I. Poata, A. Chiriac, poster presentation (V.PI 38) at “E-MRS Spring Meeting”, Symposium V, Strasbourg, France, May 27-31<sup>st</sup>, 2013;
50. “*Doped biological hydroxyapatite thin films synthesized by Pulsed Laser Deposition for a new generation of implants*”, **L. Duta**, G.E. Stan, F.N. Oktar, N. Serban, I.N. Mihailescu, poster presentation (V.PI 37) at “E-MRS Spring Meeting”, Symposium V, Strasbourg, France, May 27-31<sup>st</sup>, 2013;
49. “*Pure and doped hydroxyapatite thin films synthesized by advanced laser techniques for metal implant coatings*”, A. Jankovic, N. Serban, **L. Duta**, S. Erakovic, C. Ristoscu, G.E. Stan, A. Visan, C. Luculescu, M.C. Chifiriuc, V. Miskovic-Stankovic, I.N. Mihailescu, poster presentation (V.PI 35) at “E-MRS Spring Meeting”, Symposium V, Strasbourg, France, May 27-31<sup>st</sup>, 2013;
48. “*CdS/CdTe/ZnTe thin-film solar cells fabricated by Pulsed Laser Deposition*”, G. Socol, M. Socol, N. Stefan, E. Axente, G. Popescu-Pelin, D. Craciun, **L. Duta**, I. N. Mihailescu, A. Stanculescu, D. Visan, A. C. Galca, M. Jelinek, V. Craciun, poster presentation (V.PI 16) at “E-MRS Spring Meeting”, Symposium V, Strasbourg, France, May 27-31<sup>st</sup>, 2013;
47. “*Nanostructured thin films of doped hydroxyapatite with MgF<sub>2</sub>, MgO or Ti transferred by pulsed laser deposition*”, N. Serban, **L. Duta**, F.N. Oktar, G.E. Stan, C. Luculescu, G. Popescu-Pelin, I.N. Mihailescu, poster presentation (V.PI 36) at “E-MRS Spring Meeting”, Symposium V, Strasbourg, France, May 27-31<sup>st</sup>, 2013;
46. “*PLD deposited thin films on titanium modified by TiO<sub>2</sub> nanotubes*“, S. Erakovic, A. Jankovic, C. Ristoscu, **L. Duta**, N. Serban, A. Visan, G. Stan, M. Socol, C.R. Luculescu, I.N. Mihailescu, V. Miskovic-Stankovic, poster presentation (SS-O-18) at “4<sup>th</sup> Regional Symposium on Electrochemistry South East Europe (RSE-SEE)”, Ljubljana, Slovenia, May 26-30<sup>th</sup>, 2013;
45. “*Finishing treatment of textile materials with ZnO thin films or nanoparticles. Influence of a hydrophobin buffer layer*”, **L. Duta**, A.C. Popescu, G.E. Stan, G. Dorcioman, I.

Dumitrescu, I.N. Mihailescu, poster presentation (P28) at International Conference "Modern Laser Applications (INDLAS)", 3<sup>rd</sup> Edition, Bran, Romania, May 20-24<sup>th</sup>, 2013;

44. "*Biomimetic nanocrystalline apatite coatings synthesized by Matrix Assisted Pulsed Laser Evaporation for medical applications*", A. Visan, D. Grossin, N. Stefan, **L. Duta**, F. M. Miroiu, M. Sopronyi, F. Miculescu, M. Freche, C. Charvilat, O. Marsan, S. Ciuca, I.N. Mihailescu, poster presentation (P29) at International Conference "Modern Laser Applications (INDLAS)", 3<sup>rd</sup> Edition, Bran, Romania, May 20-24<sup>th</sup>, 2013;
43. "*Doped biological hydroxyapatite thin films synthesized by Pulsed Laser Deposition*", **L. Duta**, G.E. Stan, F.N. Oktar, N. Serban, I. N. Mihailescu, poster presentation (P27) at International Conference "Modern Laser Applications (INDLAS)", 3<sup>rd</sup> Edition, Bran, Romania, May 20-24<sup>th</sup>, 2013;
42. "*ZnO nanopowders evaluation by an Evanescent Light Method*", N. Mirchin, I. Lapsker, A. Peled, **L. Duta**, G. Dorcioman, A.C. Popescu, I.N. Mihailescu, poster presentation at "Nanocomposites of inorganic fullerenes/nanotubes, their characterization, properties & testing (COINAPO 2012)" International Conference, The David Lopatie Conference Center, Weizmann Institute of Science, Israel, November 19-21<sup>st</sup>, 2012;
41. "*A possible new thin coating solution for scratch resistance improvement of femoral head of total hip prosthesis*", Capitanu L., Mirescu R., Badita L., Florescu V., **Duta L.**, Mihailescu I.N., oral presentation at "International Scientific Conference of the Society of Bulgarian Tribologist (BULTRIB)", devoted to the 80<sup>th</sup> anniversary of Prof. DSc Nyagol Manolov, Sofia, Bulgaria, October 19-20<sup>th</sup>, 2012;
40. "*The failure uncemented hip replacements from fracture stem prosthesis*", Capitanu L., Mirescu R., Florescu V., Badita L., **Duta L.**, Mihailescu I.N., Bursuc D.C., oral presentation at "International Scientific Conference of the Society of Bulgarian Tribologist (BULTRIB)", devoted to the 80<sup>th</sup> anniversary of Prof. DSc Nyagol Manolov, Sofia, Bulgaria, October 19-20<sup>th</sup>, 2012;
39. "*Hydrophobic, antibacterial and antifungal textile materials finished with ZnO nanostructures*", A. Popescu, G. Dorcioman, **L. Duta**, C. Popescu, O. Iordache, I. Dumitrescu, G. Stan, I. Pasuk, I.N. Mihailescu, poster presentation at "Nanobelgrade Conference", Belgrade, Serbia, September 26-28<sup>th</sup>, 2012;
38. "*ZnO nanostructures obtained by pulsed laser technologies: hydrophobic and antibacterial properties*", Ion N. Mihailescu, Carmen Ristoscu, Andrei Popescu, **Liviu Duta**, oral presentation at "7<sup>th</sup> International Conference on Surfaces, Coatings and Nano-Structured Materials (NANOSMAT)", Prague, Czech Republic, September 18-21, 2012;
37. "*Bioactive glass coatings synthesized by pulsed laser deposition*", A.C. Popescu, C. Popescu, **L. Duta**, R. Mustata, D. Janackovic, V. Craciun, I.N. Mihailescu, oral presentation at "E-MRS Fall Meeting", Symposium D, Warsaw University of Technology, Poland, September 17-21<sup>st</sup>, 2012;
36. "*Adherent hydroxyapatite thin films synthesized by Pulsed Laser Deposition onto titanium implants*", **L. Duta**, F.N. Oktar, G.E. Stan, D. Craciun, G. Popescu-Pelin, N. Serban, A.C. Popescu, I.N. Mihailescu, poster presentation at "E-MRS Fall Meeting", Symposium D, Warsaw University of Technology, Poland, September 17-21<sup>st</sup>, 2012;

35. “*Novel doped hydroxyapatite thin films obtained by Pulsed Laser Deposition*”, **L. Duta**, F.N. Oktar, G.E. Stan, I.N. Mihailescu, invited oral presentation at “4<sup>th</sup> International Workshop on Current trends and advanced ellipsometry and all X-ray techniques for the characterization of TCO, BIO and other nanostructured materials”, “Ilie Murgulescu” Institute of Physical Chemistry, Romanian Academy, Bucharest, Romania, September 12-14<sup>th</sup>, 2012.
34. „*Hydroxyapatite thin films synthesized by Pulsed Laser Deposition and radio Frequency-Magnetron Sputtering onto titanium mesh implants*”, **L. Duta**, G.E. Stan, G. Socol, A.C. Popescu, F.M. Miroiu, I.N. Mihailescu, A. Ianculescu, A. Chiriac, I. Poeata, poster presentation at International Conference „Micro- to Nano-Photonics III (ROMOPTO)”, Bucharest, Romania, September 3-6<sup>th</sup>, 2012;
33. „*Compositional assay of steels by laser induced breakdown spectroscopy and spark optical emission spectroscopy*”, A. C. Popescu, E. Mothe, C. Popescu, **L. Duta**, D. Craciun, V. Craciun, I. N. Mihailescu, J. Hermann, I. Pencea, E. C. Sfat, A. Bodea, poster presentation at “E-MRS Spring Meeting”, Symposium V, Strasbourg, France, May 19-23<sup>rd</sup>, 2012;
32. „*Morpho-structural and tribological characterization of TiN films synthesized by PLD*”, **L. Duta**, L. L. Badita, L. Capitanu, G. Popescu-Pelin, C.R. Luculescu, N. Serban, S. Moga, D. Negrea, I. N. Mihailescu, poster presentation at “E-MRS Spring Meeting”, Symposium U, Strasbourg, France, May 19-23<sup>rd</sup>, 2012;
31. „*Characterization of novel doped hydroxyapatite thin films obtain by Pulsed Laser Deposition*”, **L. Duta**, F.N. Oktar, G.E. Stan, G. Popescu-Pelin, N. Serban, C. Luculescu, I. N. Mihailescu, poster presentation at “E-MRS Spring Meeting”, Symposium V, Strasbourg, France, May 19-23<sup>rd</sup>, 2012;
30. “*Hydroxyapatite thin films synthesized by pulsed laser techniques for biomedical applications*”, **L. Duta**, seminary at “Nanotechnology and Biomaterials Application and Research Center”, Marmara University, Istanbul, Turkey, September 21<sup>st</sup>, 2011;
29. “*Pulsed Laser Deposition of Transparent Conductive Oxide thin films on flexible substrates*”, G. Socol, M. Socol, N. Stefan, E. Axente, G. Pelin, D. Craciun, **L. Duta**, C.N. Mihailescu, I. N. Mihailescu, A. Stanculescu, D. Visan, A. C. Galca, V. Craciun, poster presentation at “E-MRS Fall Meeting”, Symposium A, Warsaw University of Technology, Poland, September 19-23<sup>rd</sup>, 2011;
28. “*In vivo osseointegration of highly adherent hydroxyapatite thin films synthesized by PLD onto cranioplasty titanium mesh implants*”, **L. Duta**, A.C. Popescu, G. Socol, I.N. Mihailescu, A. Ianculescu, A. Chiriac, I. Poeata, oral presentation at “3<sup>rd</sup> International Workshop on Current trends and advanced ellipsometric and XRD techniques for the characterization of nanostructured materials“, “Ilie Murgulescu” Institute of Physical Chemistry, Romanian Academy, Bucharest, Romania, September 15-16<sup>th</sup>, 2011;
27. „*IT-SOFC electrolyte behavior subjected to the laser beam irradiation*”, A.M. Ionascu, I. Mercioniu, **L. Duta**, I. Mihailescu, P.V. Notingher, N. Popescu – Pogriion, poster presentation at “European Congress and Exhibition on Advanced Materials and Processes”, Montpellier, France, September 12-15<sup>th</sup>, 2011;

26. *“The morphology of thin layers of biomaterials on dental implants obtained with the help of Pulsed Laser Deposition (PLD) method”*, D.A. Maris, Maria Maris, C. Amariei, R. Sarbu, T. Negreanu, Marius Maris, **L. Duta**, G. Dorcioman, I.N. Mihailescu, E. Vasile, poster presentation at “XII<sup>th</sup> International Balcanic Workshop for Applied Physics”, Aula Magna, “Ovidius” University, Constanta, Romania, July 6-8<sup>th</sup>, 2011;
25. *“Optical, structural and electrical properties of transparent conductive Nd:TiO<sub>2</sub> thin films obtained by Pulsed Laser Deposition”*, G. Socol, **L. Duta**, N. Stefan, E. Axente, C.N. Mihailescu, G. Popescu, C. Galca, C. Luculescu, M. Socol, A. Stanculescu, D. Craciun, I. N. Mihailescu, V. Craciun, poster presentation at “E-MRS Spring Meeting”, Symposium D, Nice, France, May 09-13<sup>th</sup>, 2011;
24. *“Study of electrodes - electrolytes systems for IT-SOFC applications”*, **L. Duta**, G. Dorcioman, A. Popescu, I. N. Mihailescu, P.Nita, I. Mercioniu, I. Bibicu, S. Constantinescu, N. Popescu-Pogriion, poster presentation at “E-MRS Spring Meeting”, Symposium X, Nice, France, May 09-13<sup>th</sup>, 2011;
23. *“Morpho-structural and biological investigations of ZnO – hydrophobins nanostructured thin films obtained by PLD and impregnation on 56% cotton/44% polyester fabrics”*, **L. Duta**, G. Dorcioman, A. Popescu, I. N. Mihailescu, A.M. Mocioiu, I. Dumitrescu, C. Panzaru, M. Danciu, poster presentation at “E-MRS Spring Meeting”, Symposium K, Nice, France, May 09-13<sup>th</sup>, 2011;
22. *“Nanostructured adherent hydroxyapatite thin films synthesized by PLD and RF-MS onto cranioplasty titanium mesh implants”*, **L. Duta**, G.E. Stan, G. Socol, F. Sima, I.N. Mihailescu, L.E. Sima, S.M. Petrescu, A. Ianculescu, A. Chiriac, I. Poata, poster presentation at “E-MRS Spring Meeting”, Symposium P, Nice, France, May 09-13<sup>th</sup>, 2011;
21. *„The influence of the angular two-photon absorption coefficient anisotropy in thermal fields for laser-solid interaction”*, Ion N. Mihailescu, Camelia Avadanei, **Liviu Duta**, Mihai Oane, Gabriela Florescu, Constantin Oproiu, poster presentation at “International Congress Laser Bucharest”, National Military Palace, Bucharest, Romania, November 11-13<sup>th</sup>, 2010;
20. *„Pulsed Laser Deposition of Transparent Conductive Oxide thin films on flexible substrates”*, G. Socol, F. Stanculescu, M. Socol, N. Stefan, E. Axente, C.N. Mihailescu, I. N. Mihailescu, D. Craciun, G. Pelin, **L. Duta**, C.R. Luculescu, C. Galca, A. Stanculescu, V. Craciun, poster presentation at “3<sup>rd</sup> International Symposium on Transparent Conductive Materials (TCM 2010)”, Analipsi/Hersonissos, Crete, Greece, October 17-21<sup>th</sup>, 2010;
19. *“Functional ZnO - hydrophobins hybrid thin films applied by PLD and impregnation on cotton/polyester fibers”*, I. Dumitrescu, A.M. Mocioiu, C. Radulescu, A. C. Popescu, G. Dorcioman, **L. Duta**, I. N. Mihailescu, M. Danciu, C. Panzaru, L. Surdu, oral presentation at International Conference “Application of Nanotechnologies for Textiles (TEX TEH III)”, Bucharest, Romania, October 7-8<sup>th</sup>, 2010;

18. „*Study of polyethylene nanolayers by evanescent light microscopy*”, S.A Popescu, B. Apter, N. Mirchin, U. Gorodetsky, I. Lapsker, A. Peled, **L. Duta**, G. Dorcioman, A. Popescu, C. Ristoscu, I. N. Mihailescu, poster presentation at “7th International Conference on Photo-Excited Processes and Applications (ICPEPA-7)”, Danmark, August 15-20<sup>th</sup>, 2010;
17. “*Increased bioactivity of cranio-spinal implants functionalized with hydroxyapatite nanostructured coatings: morpho-structural characterization and in-vitro evaluation*”, **L. Duta**, F. Sima, I.N. Mihailescu, G.E. Stan, D.A. Marcov, L.E. Sima, S.M. Petrescu, A. Ianculescu, A. Chiriac, I. Poata, invited lecture in plenary session of „Advanced Technologies for Enhanced Quality of Life (AT-EQUAL)” International Conference, Iasi, Romania, July 15-18<sup>th</sup>, 2010;
16. „*ZnO nanoparticles and thin films deposited on hydrophobic textile material substrates for biomedical applications*”, **L. Duta**, A.C. Popescu, G. Dorcioman, I. N. Mihailescu, G.E. Stan, I. Zgura, I. Enculescu, I. Dumitrescu, poster presentation at „Technological Innovations in Detection and Sensing of Chem.-Bio-Radiological-Nuclear and Ecological Terrorism”, NATO-ASI School, Chisinau, Moldova, June 07-17<sup>th</sup>, 2010;
15. “*In vivo histointegration study of surface-coated titanium implants*”, D.A. Maris, Maria Maris, M. Maris, **L. Duta**, A. C. Popescu, Gabriela Dorcioman, Natalia Serban, I. N. Mihailescu, S. Croitoru, I. Popovici, poster presentation at “E-MRS Spring Meeting”, Symposium B, Strasbourg, June 07-11<sup>th</sup>, 2010;
14. „*Growth of IZO films by the Combinatorial Pulsed Laser Deposition Technique*”, G. Socol, **L. Duta**, C. Mihailescu, F. Sima, D. Craciun, V. Craciun, poster presentation at “E-MRS Spring Meeting”, Symposium R, Strasbourg, June 07-11<sup>th</sup>, 2010;
13. “*Functional hydrophobic and antibacterial textile materials covered with ZnO nanoparticles*”, A.C. Popescu, G. Dorcioman, **L. Duta**, I. N. Mihailescu, G.E. Stan, I. Zgura, I. Enculescu, I. Dumitrescu, oral presentation at “E-MRS Spring Meeting”, Symposium B, Strasbourg, June 07-11<sup>th</sup>, 2010;
12. „*Morphology of polyethylene nanolayers: a study by Evanescent Light Microscopy*”, Igor Lapsker, Nina Mirchin, Uri Gorodetsky, Simona Popescu, Aaron Peled, **Liviu Duta**, Gabriela Dorcioman, Andrei Popescu, Ion N. Mihailescu, poster presentation at the “14<sup>th</sup> Israel Materials Engineering Conference (IMEC-14)”, Tel-Aviv, Israel, December 13-14<sup>th</sup>, 2009;
11. „*Morphology of polyethylene nanolayers: a study by Evanescent Light Microscopy*”, Lapsker I., Mirchin N., Gorodetsky U., Popescu S. A., Peled A., **Duta L.**, Dorcioman G., Popescu A., Mihailescu I. N., poster presentation at the “Second Mediterranean conference on nano photonics (MediNano-2)”, Athens, Greece, October 26-27<sup>th</sup>, 2009;
10. „*Hydroxyapatite thin films synthesized by pulsed laser deposition and magnetron sputtering on PMMA substrates for medical applications*”, G. Socol, A. M. Macovei, F. Miroiu, N. Stefan, **L. Duta**, G. Dorcioman, I. N. Mihailescu, S. M. Petrescu, G. E.

- Stan, D. A. Marcov, A. Chiriac, I. Poeata, poster presentation at “E-MRS Spring Meeting”, Symposium M, Strasbourg, June 08-12<sup>th</sup>, 2009;
9. “*Bioglass nanostructures used as coatings for biomimetic metallic implants*”, **L. Duta**, A. Popescu, C. Popescu, F. Sima, C. Ristoscu, I. N. Mihailescu, L. Sima, S. Petrescu, D. Tanaskovic, D. Janakovic, poster presentation at “3<sup>rd</sup> International Conference on Biomaterials and Medical Devices (BiomMedD)”, Bucharest, Romania, November 13-16<sup>th</sup>, 2008;
  8. “*Implant-like structures metallic substrate/biofunctional glasses films synthesized by pulsed laser deposition*”, A. Popescu, C. Ristoscu, F. Sima, G. Dorcioman, C. Popescu, **L. Duta**, I. N. Mihailescu, R. Mustata, S. Petrescu, D. Tanaskovic, Dj. Janackovic, poster presentation at “Advanced Laser Technologies (ALT)” International Conference, Hungary, October 13-16<sup>th</sup>, 2008;
  7. “*Synthesis of functionalized polyethyleneglycol thin structures by Matrix Assisted Pulsed Laser Evaporation usable as carrying agent in Drug Delivery Systems*”, C. Popescu, R. Cristescu, A. Popescu, S. Grigorescu, **L. Duta**, D. Mihaiescu, T. Buruiana, A. Andronie, I. Stamatina, G. Caraene, R. Albuiescu, Ion N. Mihailescu, poster presentation at “1<sup>st</sup> International School on Laser-surface interactions for new materials production: tailoring structure and properties”, San Servolo Island - Venice, Italy, July 13-20<sup>th</sup>, 2008;
  6. “*Porous biopolymer synthesis by matrix assisted pulsed laser evaporation for controlled drug delivery applications*”, A. Popescu, R. Cristescu, **L. Duta**, C. Cojanu, D. Mihaiescu, T. Buruiana, I. Stamatina, I. Mihailescu, poster presentation at “Nanostructured Materials for Advanced Technological Applications” International School, Sozopol, Bulgaria, June 1-13<sup>th</sup>, 2008;
  5. “*Bioactive and biocompatible nanostructured glass coatings synthesized by pulsed laser deposition*”, **L. Duta**, A. Popescu, F. Sima, C. Ristoscu, C. Cojanu, I. Mihailescu, R. Mustata, L. Sima, S. Petrescu, D. Tanaskovic, Dj. Janakovic, poster presentation at “Nanostructured Materials for Advanced Technological Applications” International School, Sozopol, Bulgaria, June 1-13<sup>th</sup>, 2008;
  4. “*Functionalized Polyvinyl Alcohol Derivatives Thin Films for Controlled Drug Release and Targeting Systems: Laser Deposition and Morphological, Chemical and In Vitro Characterization*”, R. Cristescu, C. Popescu, A. Popescu, S. Grigorescu, **L. Duta**, I.N. Mihailescu, G. Caraene, R. Albuiescu, L. Albuiescu, A. Andronie, I. Stamatina, A. Ionescu, D. Mihaiescu, T. Buruiana, D.B. Chrisey, poster presentation at “E-MRS Spring Meeting”, Symposium B, Strasbourg, May 26-30<sup>th</sup>, 2008;
  3. “*Laser Processing of Polyethylene Glycol Derivative and Block Copolymer Thin Films*”, R. Cristescu, C. Popescu, A. Popescu, S. Grigorescu, **L. Duta**, A. Andronie, O.S. Ionescu, D. Mihaiescu, T. Buruiana, I. Stamatina, I.N. Mihailescu, D.B. Chrisey, poster presentation at “E-MRS Spring Meeting”, Symposium B, Strasbourg, May 26-30<sup>th</sup>, 2008;
  2. “*Biocompatible and bioactive nanostructured glass coatings synthesized by pulsed laser deposition*”, A. Popescu, F. Sima, **L. Duta**, C. Cojanu, R. Mustata, S. Petrescu, D. Tanaskovic, D. Janackovic, I. N. Mihailescu, oral presentation at “E-MRS Spring Meeting”, Symposium B, Strasbourg, May 26-30<sup>th</sup>, 2008;

1. “*Bioglass coatings synthesized by pulsed laser deposition*”, **L. Duta**, oral presentation at International Conference “Modern Laser Applications (INDLAS)”, 2<sup>nd</sup> Edition, Bran, Romania, May 20-23<sup>th</sup>, 2008;

### **National Conferences, Congresses and Schools**

2. “*Matrix assisted pulsed laser evaporation technique for deposition of hidrosoluble thin film polimers for advanced applications*”, R. Cristescu, G. Socol, T. Buruiana, G. C. Chitanu, R. Piticescu, F. Miroiu, C. Popescu, A. Ghita, **L. Duta**, Ion N. Mihailescu, poster presentation at “Hidrosoluble polimers for advanced applications”, Iasi, Romania, April 14–17<sup>th</sup>, 2008.
1. “*Nanostructure biopolimer thin films obtained by MAPLE tehinique for applications in farmaceutical industry*”, C. Cojanu, R. Cristescu, A. Popescu, **L. Duta**, I.N. Mihailescu, G. Caraene, R. Albulescu, T. Buruiana, I. Stamatina, poster presentation at “Micro/nano – interactions and natural and synthetic based polimer systems Symposium”, VI<sup>th</sup> Edition, Iasi, Romania, September 28<sup>th</sup>, 2007;