

Curriculum Vitae

INFORMAȚII PERSONALE

Nume și prenume	Georgiana BULAI (Dascălu)		
Adresă	11 Carol I Blvd., 700506 Iasi, Romania		
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Naționalitatea	Romană		
Data nașterii	20.08.1985		

EXPERIENȚA PROFESIONALĂ

Perioada	01.03.2016 - prezent		
Ocupația sau poziția ocupată	Cercetător științific		
Numele si adresa angajatorului	Centru integrat de studii în știința mediului, pentru regiunea de dezvoltare Nord-Est (CERNESIM), Universitatea "Alexandru Ioan Cuza" din Iasi, Blvd. Carol I, nr. 11, RO-700506, Iasi, Romania		
Tipul sau sectorul de activitate	Activitate de cercetare în știința mediului, straturi subțiri		
Perioada	10.2016 – 02.2017, 10.2017 – 02.2018		
Ocupația sau poziția ocupată	Asistent universitar – cadru didactic asociat		
Numele si adresa angajatorului	Facultatea de Fizică, Universitatea "Alexandru Ioan Cuza" din Iasi, Blvd. Carol I, nr. 11, RO-700506, Iasi, Romania		
Tipul sau sectorul de activitate	Activitate de predare: laborator aferent cursului de <i>Fizica straturilor subțiri și Fizica mediului</i>		
Perioada	20.07.2017 – prezent		
Ocupația sau poziția ocupată	Cercetător științific (proiect STAR-ROSA 169/20.07.2017)		
Numele si adresa angajatorului	Universitatea "Alexandru Ioan Cuza" din Iasi, Blvd. Carol I, nr. 11, RO-700506, Iasi, Romania		
Tipul sau sectorul de activitate	Activitate de cercetare în domeniul micro-propuloarelor satelitare bazate pe ablație laser		
Perioada	23.11.2016 – 06.11.2017		
Ocupația sau poziția ocupată	Cercetător științific (proiect STAR-ROSA 114/7.11.2016)		
Numele si adresa angajatorului	Universitatea "Alexandru Ioan Cuza" din Iasi, Blvd. Carol I, nr. 11, RO-700506, Iasi, Romania		
Tipul sau sectorul de activitate	Activitate de cercetare în știința mediului		
Perioada	01.09.2014 – 31.06.2016		
Ocupația sau poziția ocupată	Cercetător științific (Proiect E03/30.06.2014, CAPACITATI / RO-CERN, ELI-NP)		
Numele si adresa angajatorului	Universitatea "Alexandru Ioan Cuza" din Iasi, Blvd. Carol I, nr. 11, RO-700506, Iasi, Romania		
Tipul sau sectorul de activitate	Activitate de cercetare în studiul ablației laser		

Perioada	01.01.2013 – 04.10.2016
Ocupația sau poziția ocupată	Asistent cercetare (proiect PN-II-ID-PCE-2011-3-0650)
Numele si adresa angajatorului	Universitatea "Alexandru Ioan Cuza" din Iasi, Blvd. Carol I, nr. 11, RO-700506, Iasi, Romania
Tipul sau sectorul de activitate	Activitate de cercetare în studiul straturilor subțiri depuse prin ablație laser și studiul plasmei induse laser
Perioada	01.02.2014 – 28.11.2016
Ocupația sau poziția ocupată	Asistent cercetare (Proiect STAR-ROSA 98/129.11.2013)
Numele si adresa angajatorului	Universitatea "Alexandru Ioan Cuza" din Iasi, Blvd. Carol I, nr. 11, RO-700506, Iasi, Romania
Tipul sau sectorul de activitate	Activitate de cercetare în Optica atmosferei și interacțiunea radiație laser-material
Perioada	01.06.2014 – 13.12.2015
Ocupația sau poziția ocupată	Postdoctorand (Grant POSDRU/159/1.5/S/137750)
Numele si adresa angajatorului	Universitatea "Alexandru Ioan Cuza" din Iasi, Blvd. Carol I, nr. 11, RO-700506, Iasi, Romania
Tipul sau sectorul de activitate	Activitate de cercetare în domeniul straturilor subțiri calcogenice și magnetice depuse prin ablație laser
Perioada	01.11.2014 – 30.11.2015
Ocupația sau poziția ocupată	Coordonator proiect grant intern (UAIC – cod proiect GI-2014-06)
Numele si adresa angajatorului	Universitatea "Alexandru Ioan Cuza" din Iasi, Blvd. Carol I, nr. 11, RO-700506, Iasi, Romania
Tipul de activitate	Activitate de cercetare în domeniul structurilor de polimer/nanoparticule magnetice
Stagii de cercetare	
Perioada	01.05.2014 – 31.05.2014
Numele si adresa instituției partenere	Lille 1 University – Science and Technology, Laboratoire de Physique des Lasers, Atomes et Molécules (UMR CNRS 8523), 59655 Villeneuve d'Ascq, France
Tipul de activitate	Depunerea de straturi subțiri prin ablație laser, diagnoza optica si spectrala a plasmei induse laser
Perioada	08.09.2014 - 13.09.2014
Numele si adresa instituției partenere	Institute for Ion Physics and Applied Physics, University of Innsbruck, Innrain 52 A-6020 Innsbruck, Austria
Tipul de activitate	Depunere de straturi subțiri și diagnoza plasmei
Perioada	01.07.2013 – 15.07.2013
Numele si adresa instituției partenere	Lille 1 University – Science and Technology, Laboratoire de Physique des Lasers, Atomes et Molécules (UMR CNRS 8523), 59655 Villeneuve d'Ascq, France
Tipul de activitate	Depunerea de straturi subțiri calcogenice prin ablatie laser

Perioada 01.03.2012 – 31.03.2012
 Numele si adresa institutiei partenere University of Geneva, Condensed Matter Physics Department, Ernest-Ansermet 24, CH-1211 Genève 4, Switzerland
 Tipul de activitate Caracterizarea straturilor subțiri feromagnetice folosind tehnicile AFM, PFM, MFM, XRD

Perioada 15.11.2010 – 15.07.2011
 Numele si adresa institutiei partenere Lille 1 University – Science and Technology, Laboratoire de Physique des Lasers, Atomes et Molécules (UMR CNRS 8523), 59655 Villeneuve d'Ascq, France
 Tipul de activitate Depunerea si caracterizarea straturilor subțiri. Metode de analiză: Profilometry, Raman spectroscopy, ToF-SIMS

EDUCAȚIE ȘI FORMARE

Perioada 01.10.2009 – 30.09.2012
 Calificarea obținută Doctor in Fizică
 Subiect principal Studiul straturilor subțiri de ferită de cobalt depuse prin ablație laser
 Numele și adresa organizației de educație Universitatea “Alexandru Ioan Cuza” din Iasi, Blvd. Carol I, nr. 11, RO-700506, Iasi, Romania

Perioada 01.10.2004 – 01.07.2009
 Calificarea obținută Inginer diplomat
 Subiect principal Metode experimentale de determinare a temperaturii Curie
 Numele și adresa organizației de educație Facultatea de Fizică, Universitatea “Alexandru Ioan Cuza” din Iasi, Blvd. Carol I, nr. 11, RO-700506, Iasi, Romania

Perioada 01.10.2015 – 16.10.2015
 Calificarea obținută Diplomă de absolvire a cursului de Manager de proiect
 Subiect principal Manager de proiect
 Numele și adresa organizației de formare S. C. TAAS Consultancy S. R. L.

COMPETENTE PERSONALE

Limba maternă **Română**
 Alte limbi străine cunoscute

Engleză

INTELEGERE		VORBIRE		SCRIERE
Ascultare	Citire	Participare la conversație	Discurs oral	
C1	C1	C1	C1	C1

Franceză

INTELEGERE		VORBIRE		SCRIERE
Ascultare	Citire	Participare la conversație	Ascultare	Citire
B1	B2	A2	A2	B1

COMPETENTE PROFESIONALE

Competențe de comunicare	Peste 60 de prezentări orale și tip poster la conferințe naționale și internaționale Participări la 5 stagii de cercetare Participări la activități de promovare a Facultății de Fizică: Zilele Porților Deschise, Noaptea cercetătorilor
Competențe organizaționale/manageriale	Membru în secretariatul conferinței “Fizica și Tehnologiile Educaționale Moderne”, Iasi, Romania, edițiile: Mai 2010, Mai 2016, Mai 2017 și Mai 2018; Membru în Comitetul Local de Organizare „International Conference on Physics of Advanced Materials”, 22 - 28 Septembrie 2014, Iasi, Romania Membru în 9 granturi de cercetare științifică
Activitatea de cercetare științifică	Autor și co-autor la 22 articole publicate în reviste cotate ISI, 2 capitole de carte, 2 articole în reviste cotate BDI, 1 articol în jurnal non-ISI, 2 lucrări invitat, 14 prezentări orale, 60 prezentări poster la conferințe naționale și internaționale Membru în 7 proiecte naționale , Coordonator pentru un proiect Postdoctoral și un proiect finanțat de Universitatea „Alexandru Ioan Cuza” din Iasi Referent la IEEE Transactions on Plasma Science, Optics and Laser Technology, Journal of Alloys and Compounds, Journal of Applied Physics, Transactions on Electrical and Electronic Materials Membru al IEEE Magnetics Society din 2010, Membru al Romanian Physical Society din 2009
Competențe digitale	MS Office, Corel Draw, Adobe Photoshop, Origin, WinSpec, Lightfield

Informații adiționale

Membru în proiecte de cercetare:

1. “The study of polymer-laser radiation interactions in controlled atmosphere. Laser ablation nanostructured thin films layers. Applications.”, PN-II-ID-PCE-2011-3-0650, 2011-2014 - **Membru**;
2. “Fast laser imaging, detection and ranging of aerosol emissions in aircraft plumes”, STAR-ROSA 98/129.11.2013, 2013-2016 - **Membru**;
3. “Dinamica plamei de ablatie laser: cercetari fundamentale si aplicatii ale depunerii de straturi subtiri prin tehnica PLD”, UEFISCDI, 712/2013, 2013-2014 - **Membru**;
4. “Extreme Light Induced Ablation Plasma Jet And Nanopatterning”, E03/30.06.2014, CAPACITATI / RO-CERN, ELI-NP, 2014-2016 - **Membru**.
5. “Synthesis and characterization of cobalt ferrite and polymers based on magnetic nanocomposites”, grant intern Universitatea “Alexandru Ioan Cuza” din Iasi project code GI-2014-06 – **Coordonator proiect**
6. Studiul influenței condițiilor de depunere asupra proprietăților structurale și funcționale ale unor straturi subțiri calcogenice și oxidice, **Postdoctorand** (Grant POSDRU/159/1.5/S/137750) Universitatea “Alexandru Ioan Cuza” din Iasi, 2014-2015
7. “LOASL’s Earth Observatory”, STAR-ROSA 114/7.11.2016, 2016-2017, **Membru**
8. “Satellite hybrid micro-thrusters”, STAR-ROSA 169/20.07.2017, 2017-2018, **Membru**
9. “Aerosol properties retrieval from remote sensing spectroscopic measurements”, STAR-ROSA 162/20.07.2017, 2017-2019, **Membru**

ResearcherID: F-2224-2014

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<http://orcid.org/0000-0001-6453-9644>

Lucrări publicate în reviste cotate ISI:

1. S. A. Irimiciuc, G. Bulai, S. Gurlui, M. Agop, M., On the separation of particle flow during pulse laser deposition of heterogeneous materials - A multi-fractal approach, (2018) Powder Technology, 339, pp. 273-280;
2. S. Irimiciuc, G. Bulai (autor corespondent), M. Agop, S. Gurlui, Influence of laser-produced plasma parameters on the deposition process: in situ space- and time-resolved optical emission spectroscopy and fractal modeling approach (2018) Applied Physics A: Materials Science and Processing, 124 (9), art. no. 615;
3. A. Cocean, I. Cocean, M. M. Cazacu, G. Bulai, F. Iacomi, S. Gurlui, Atmosphere self-cleaning under humidity conditions and influence of the snowflakes and artificial light interaction for water dissociation simulated by the means of COMSOL (2018) Applied Surface Science, 443, pp. 83-90;
4. G. Bulai, O. Rusu, M. M. Cazacu, F. Tudorache, B. Chazallon, C. Focsa, S. Gurlui, Structural, magnetic and humidity sensing properties of rare earth doped cobalt ferrite thin films synthesized by pulsed laser deposition (2018) Journal of Ovonic Research, 14 (2), pp. 119-128;
5. S. A. Irimiciuc, S. Gurlui, G. Bulai, P. Nica, M. Agop, C. Focsa, Langmuir probe investigation of transient plasmas generated by femtosecond laser ablation of several metals: Influence of the target physical properties on the plume dynamics, Applied Surface Science, 417 (2017), pp. 108-118;
6. S. Irimiciuc, R. Boidin, G. Bulai (autor corespondent), S. Gurlui, P. Nemec, V. Nazabal, C. Focsa, Laser ablation of $(\text{GeSe}_2)_{100-x}(\text{Sb}_2\text{Se}_3)_x$ chalcogenide glasses: Influence of the target composition on the plasma plume dynamics, Applied Surface Science, 418 (2017), pp. 594-600;
7. Doina Lutic, Diana Petrovski, Maria Ignat, Igor Cretescu, Georgiana Bulai, Mesoporous cerium-doped titania for the photocatalytic removal of persistent dyes, Catalysis Today, 306 (2018), pp. 300-309;
8. I. Caraman, L. Dmitroglu, I. Evtodiev, L. Leontie, D. Untila, S. Hamzaoui, M. Zerdali, O. Şuşu, G. Bulai, S. Gurlui, Optical properties of ZnO thin films obtained by heat treatment of Zn thin films on amorphous SiO_2 substrates and single crystalline GaSe lamellas, Thin Solid Films, 617 (2016), pp.: 103-107;
9. E. V. Gafton, G. Bulai, O. F. Caltun, S. Cervera, S. Macé, M. Trassinelli, S. Steydli, D. Vernhet, Structural and magnetic properties of zinc ferrite thin films irradiated by 90 keV neon ions, Applied Surface Science, 379 (2016), pp.: 171-178;
10. N. Cimpoeşu, L. C. Trincă, G. Dascălu, S. Stanciu, S. O. Gurlui, D. Mareci, Electrochemical characterization of a new biodegradable FeMnSi alloy coated with hydroxyapatite-zirconia by PLD technique, Journal of Chemistry (2016), art. no. 9520972;
11. G. Bulai, I. Dumitru, M. Pinteala, C. Focsa, S. Gurlui, Magnetic nanoparticles generated by laser ablation in liquid, Digest Journal of Nanomaterials and Biostructures, 11 (2016), pp. 283-291;
12. C. Virkan, G. Bulai, O. F. Caltun, R. Hempelmann, A. Pui, Rare earth metals' influence on the heat generating capability of cobalt ferrite nanoparticles, Ceramics International, Ceramics International, 42 (2016) pp. 11958-11965;
13. G. Bulai, L. Diamandescu, I. Dumitru, S. Gurlui, M. Feder, O.F. Caltun, Effect of rare earth substitution in cobalt ferrite bulk materials, Journal of Magnetism and Magnetic Materials, 390 (2015) pp. 123-131;
14. G. Bulai, S. Gurlui, O. F. Caltun, C. Focsa, Pure and rare earth doped cobalt ferrite laser ablation: Space and time resolved optical emission spectroscopy, Digest Journal of Nanomaterials and Biostructures, 10 (2015) pp.: 1043-1053;
15. I. Stirbu, P. Vitureanu, R. Cimpoeşu, G. Dascălu, S. O. Gurlui, M. Bernevig, M. Benchea, N. Cimpoeşu, P. Postolache. Advanced metallic materials response at laser excitation for medical applications, Journal of Optoelectronics and Advanced Materials, 17 (2015) pp.: 1179 - 1185;
16. M. Ratoi, G. Dascălu, T. Stanciu, S. O. Gurlui, S. Stanciu, B. Istrate, N. Cimpoeşu, R. Cimpoeşu, Preliminary results of FeMnSi+Si(PLD) alloy degradation, Key Engineering Materials, 638 (2014) pp.: 117-122;
17. O. G. Pompilian, G. Dascălu, I. Mihaila, S. Gurlui, M. Olivier, P. Nemec, V. Nazabal, N. Cimpoeşu, C. Focsa, Pulsed laser deposition of rare-earth-doped gallium lanthanum sulphide chalcogenide glass thin films, Applied Physics A, 117 (2014) pp.: 197-205;
18. G. Dascălu, G. Pompilian, B. Chazallon, O. F. Caltun, S. Gurlui, C. Focsa, Femtosecond pulsed laser deposition of cobalt ferrite thin films, Applied Surface Science, 278 (2013) pp. 38-42;
19. G. Dascălu, T. Popescu, M. Feder, O. F. Caltun, Structural, electric and magnetic properties of $\text{CoFe}_{1.8}\text{RE}_{0.2}\text{O}_4$ (RE=Dy, Gd, La) bulk materials, Journal of Magnetism and Magnetic Materials, 333 (2013) pp. 69-74;
20. G. Dascălu, G. Pompilian, B. Chazallon, V. Nica, O. F. Caltun, S. Gurlui, C. Focsa, Rare earth doped cobalt ferrite thin films deposited by PLD, Applied Physics A: Materials Science and Processing, 110 (2013) pp. 915-922;
21. G. Dascălu, D. Durneata, O. F. Caltun, Magnetic measurements of RE-doped cobalt ferrite thin films, IEEE Transactions on Magnetics, 49 (2013) pp. 46-49;
22. G. Dascălu, O. G. Caltun, CoFe_2O_4 thin films deposited by PLD with in situ heating and post annealing, Journal of Optoelectronics and Advanced Materials, 13 (2011) pp. 1145-1148.

Alte lucrări:

1. F. G. Huşanu, M. M. Cazacu, G. Bulai, S. Gurlui, E. Pettinelli, Laboratory measurements for the characterization of the physical parameters of geomaterials and planetary analogues, Buletinul Institutului Politehnic din Iaşi (indexat BDI), Vol. 64, Nr. 1, 2018;
2. E.-V. Gafton, F. Haque, F. Huşanu, M. M. Cazacu, G. Bulai, S. Gurlui, Hydrogen passivation effect On ZnO powder, Buletinul Institutului Politehnic din Iaşi (indexat BDI), Vol. 63, Nr. 2, 2017;
3. Advanced optical remote sensors for airborne and spaceborne platforms, M. M. Cazacu, A. Timofte, G. Bulai, S. Gurlui, D. Nicolae, A. Nemuc, L. Belegante, C. Radu, Capitol din cartea, "Romanian projects and initiatives in support of Earth Observation", Editor D. Nicolae, Editura Tehnopress, ISBN 978-606-687-281-2, 2016 (pp.: 37-40)
4. G. Dascalu, I. Mihaila, O. F. Caltun, G. Popa, „The influence of the thermal treatment on the microstructures of thin cobalt ferrite films”, Journal of Advanced Research in Physics 1(1) (2010) 011002;
5. Co-autor capitol de carte, Capitolul IV "Filme subţiri. Obţinerea filmelor subţiri de ferită de cobalt", B. Negulescu, G. Dascalu, O.F. Caltun din "Ferite de cobalt magnetostrictive", coordonator Ovidiu Florin Caltun, Ed. Alexandru Ioan Cuza Iasi, 2009. (pp.: 131-173)

Participări la conferinţe:

Lucrări invitat

1. G. Dascalu, L. Diamandescu, M. Feder, A. Pui, I. Dumitru, S. Gurlui, O.F. Caltun, Study of cobalt ferrite bulk materials doped with rare earth ions, IEEE ROMSC 2014, Iaşi, România;
2. O. G. Pompilian, G. Dascalu, S. Gurlui, C. Focsa, Processing and characterization of advanced materials by laser ablation techniques, 9th International Conference on Physics of Advanced Materials, ICPAM 2012, Iaşi, Romania;

Prezentări orale:

1. Florin ENESCU, Stefan-Andrei IRIMICIUC, Nicanor CIMPOIESU, Horea BEDELEAN, Bianca HODOROABA, Georgiana BULAI, Silviu GURLUI, Spatial and temporal analysis on plasma plumes generated by laser ablation on geo-materials, EMRS Spring meeting, 2018, Strasbourg, Franţa;
2. Stefan Andrei Irimiciuc, Georgiana Bulai, Maricel Agop, Silviu Gurlui, Laser ablation plasma diagnosis for PLD thin layer quality control, EMRS Spring meeting, 2018, Strasbourg, Franţa;
3. G. Bulai, S. Irimiciuc, V. Gafton, N. Cimpoiesu, C. Focsa, S. Gurlui, Influence of rare earth addition on cobalt ferrite thin films deposited by pulsed laser deposition, 2018, Viena, Austria;
4. G. Bulai, A. Timofte, M. Cazacu, S. Gurlui, Laser induced RAMAN & breakdown spectroscopy techniques. Fundamentals and applications, 11th International Conference Elsedima "Environmental Legislation, Safety Engineering and Disaster Management" Building Disaster Resilience In A Changing World, Babeş-Bolyai University, 2016, Cluj-Napoca, Romania;
5. G. Bulai, V. Nica, B. Chazallon, S. Gurlui, C. Focsa, Influence of rare earth addition on structural and magnetic properties of cobalt ferrite thin films, EMRS Spring Meeting, 2015, Lille, Franţa;
6. G. Dascalu, S. Gurlui, P. Nemec, O. Pompilian, C. Focsa, Nano-, Pico- and Femto-second Laser Ablation of Pure and Rare-earth-doped Gallium Lanthanum Sulphide: A Comparative Study by Space- and Time-resolved Optical Emission Spectroscopy, International Conference on Laser Induced Breakdown Spectroscopy (LIBS 2014), 2014, Beijing, China;
7. G. Dascalu, O. G. Pompilian, I. Mihaila, S. Gurlui, P. Hawłova, P. Nemec, V. Nazabal, C. Focsa, Pure and Rare-Earth Doped Gallium Lanthanum Sulphide Amorphous Thin Films Grown by Pulsed Laser Deposition in Various Temporal Regimes, European Materials Research Society (E-MRS) Spring Meeting, E-MRS 2014, Lille, France;
8. R. Boidin, S. Gurlui, G. Dascalu, P. Nemec, V. Nazabal, C. Focsa, Pulsed Laser Deposition of Ge-Sb-Se glasses: A plasma plume dynamics study, European Materials Research Society Spring Meeting, E-MRS 2014, Lille, France;
9. G. Dascalu, G. Pompilian, B. Chazallon, O. F. Caltun, S. Gurlui, C. Focsa, Influence of rare earth substitution on structural and magnetic properties of CoFe₂O₄ thin films deposited by PLD, European Materials Research Society Spring Meeting, E-MRS, 2012, Strasbourg, Franţa;
10. G. Dascalu, N. Pop, L. Hrib, O. F. Caltun, Magnetostrictive and magnetoelectric materials for sensors, Physics Conference TIM-11, 2011, Timişoara, Romania;
11. L. M. Hrib, O. Pompilian, G. Dascalu, O. Caltun, S. Gurlui, C. Focsa, Pulsed Laser Deposition of [CoFe₂O₄]_x-[BaTiO₃]_{1-x} Thin Films: Structural and Plasma Plume Investigations, Joint MME- IEEE ROMSC 2010, Iasi, Romania;
12. L. M. Hrib, G. Dascalu, I. Dumitru, M. Feder, L. Diamandescu, O. Caltun, Cobalt ferrite and barium titanate composites, IEEE ROMSC 2009, Iasi, Romania;
13. G. Dascalu, S. Belosetchi, L. M. Boutiuc Hrib, I. Dumitru, O.F. Caltun, Magnetic and electric properties of composites based on

Mn doped cobalt ferrites and barium titanate, Physics and Modern Education Technologies, FTEM 2009, Iasi, Romania.

14. G. Dascalu, G. Rusu, I. Mihaila, O. F. Caltun, G. Popa, The influence of the thermal treatment on the microstructure of thin cobalt ferrite films, International Conference on Physics of Advanced Materials, ICPAM 2008, Iasi, Romania;

Prezentări poster:

1. Stefan Andrei Irimiciuc, Georgiana Bulai, Silviu Gurlui, Dan Gheorghe Dimitriu, Role of molecule formation and multiple - structure scenarios in dynamics of laser produced plasmas, 24th Europhysics Conference on Atomic and Molecular Physics of Ionized Gases (ESCAPIG), 2018, Glasgow, Scotland, Anglia;
2. Francisca Husanu, Georgiana Bulai, Stefan Irimiciuc, Vasilica Trandafir, Nicanor Cimpoesu, Silviu Gurlui, Investigation of rare earth doped cobalt ferrite thin films deposited by PLD, International Balkan Workshop on Applied Physics and Materials Science, 2018, Constanta, Romania;
3. G. Bulai, S. Irimiciuc, A. Cocean, V. Trandafir, F. Husanu, S. Gurlui, Optical emission spectroscopy analysis of laser induced plasmas on magnetic materials, International Conference on Physics of Advanced Materials, 2018, Heraklion, Grecia;
4. M.M. Cazacu, G. Bulai, A. Timofte, A. Rosu, O. Rusu, F. Husanu, L. Leontie, S. Gurlui, „Space- and time-resolved aerosols emission spectroscopy: advanced LIDAR techniques for environmental approach”, Advances On Photocatalysis, AdvPhotoCat-E 2017, The 2nd International Workshop, Technological Educational Institute (TEI) of Crete, 2017, Heraklion, Grecia;
5. S. Gurlui, M. M. Cazacu, A. Timofte, O. Rusu, G. Bulai, D. Dan, Space- and time-resolved Raman and breakdown spectroscopy: Advanced lidar techniques, Accepted to: 28th International Laser Radar Conference, 2017, Bucuresti, Romania;
6. G. Bulai, S. Irimiciuc, F. Husanu, O. Rusu, M. Cazacu, S. Gurlui, Characterization of cobalt ferrite laser induced plasma by optical emission spectroscopy, Accepted to: International Conference on Laser Spectroscopy, Palais des Congres, 2017, Arcachon, Franța;
7. G. Bulai, M. Cazacu, S. Gurlui, Spectrally resolved LIDAR detection of atmospheric and pollutant compounds, Accepted to: International Conference on Laser Spectroscopy, Palais des Congres, 2017, Arcachon, Franța;
8. G. Bulai, O. Pompilian, S. Gurlui, P. Nemec, V. Nazabal, B. Chazallon, C. Focsa, Ge-Sb-Te based thin films obtained by pulsed laser deposition in different temporal regimes, The 9th International Conference on Advanced Materials, ROCAM, 2017, București, Romania;
9. G. Bulai, S. Irimiciuc, F. Husanu, O. Rusu, M. M. Cazacu, S. Gurlui, Optical Emission Spectroscopy Analysis of Fe, Co and CoFe₂O₄ laser induced plasmas, The 9th International Conference on Advanced Materials, ROCAM, 2017, București, Romania;
10. S. Gurlui, M.M. Cazacu, G. Bulai, A. Timofte, A. Rosu, E.R. Rotaru, B. Albina, O. Rusu, O.G. Tudose, F. Fusanu, L. Leontie, Map of the pollutants in Iasi City: atmospheric and terrestrial measurements, International Symposium "Present Environment and Sustainable Development", 12th edition, 2017, Iasi, Romania;
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