

ANEXA 7. Comunicări științifice prezentate la conferințe internaționale

1. C. Vitelaru, D. Lundin, V. Tiron, N. Brenning, G. Popa, T. Minea, Laser Diagnostics of Particle Dynamics in HiPIMS Plasmas, prezentata la ICMCTF 2015, San Diego, SUA, aprilie, 2015
2. M. Balaceanu, C. Vitelaru, A.C. Parau, L. Constantin, A. Vladescu, M. Braic, Influence of carbon containing gas on the characteristics of TiSiC-Cr arc evaporated coatings, prezentata la E-MRS 2015 Spring Meeting, Lille, Franta, mai, 2015
3. M. Dinu, M. Braic, M. Badea, I. Pana, A. Kiss, M. Moga, V. Braic, E. Posna, A. Vladescu, Improvement of mechanical, anticorrosive and antibacterial properties of the hydroxyapatite coating, prezentata la E-MRS 2015 Spring Meeting, Lille, Franta, mai, 2015
4. C. Vitelaru, A. Vladescu, M. Dinu, I. Pana, V. Braic, I. Dan, A. Kiss, M. Braic, S. Ivanescu, Improvement of bioactivity of the TiZrNb alloy by deposition of CaP coatings, prezentata la E-MRS 2015 Spring Meeting, Lille, Franta, mai, 2015
5. M. Dinu, M. Balaceanu, C.M. Cotrut, M. Braic, F. Baci, A. Vladescu, C. Vitelaru, Cr based multilayered coatings for enhanced adhesion of dental ceramic on metallic substrates, prezentata la E-MRS 2015 Spring Meeting, Lille, Franta, mai, 2015
6. L. Constantin, C. Vitelaru, A.C. Parau, M. Braic, TiSiC, TiSiC-Zr and TiSiC-Cr coatings - corrosion resistance and tribological performance in saline solution, prezentata la E-MRS 2015 Spring Meeting, Lille, Franta, mai, 2015
7. I. Pana, C. Vitelaru, C.N. Zoita, M. Braic, Plasma emission spectroscopy of reactive RF magnetron plasma applied for tuning optical properties of SiNx thin films, prezentata la E-MRS 2015 Spring Meeting, Lille, Franta, mai, 2015
8. M. Braic, C.N. Zoita, M. Danila, C.E.A. Grigorescu, C. Logofatu, Hetero-epitaxial TiC films deposited on MgO(001) at 100 oC by DC reactive magnetron sputtering, prezentata la E-MRS 2015 Spring Meeting, Lille, Franta, mai, 2015
9. M. Dinu, A.C. Parau, L. Constantin, I. Pana, M. Braic, Comparative investigations of the surface morphology and tribological characteristics of multicomponent carbide coatings deposited by reactive magnetron sputtering, prezentata la E-MRS 2015 Spring Meeting, Lille, Franta, mai, 2015
10. C.M. Cotrut, M. Dinu, M.D. Vranceanu, M. Tarcolea, A.I. Gherghilescu, The combined effect of mechanical and chemical stimuli on the tribology of Cr-based multilayers obtained by cathodic arc technique, prezentata la International Conference on Nanosciences&Nanotechnologies-NN15, Thessaloniki, Grecia, iulie, 2015
11. M. Dinu, M. Tarcolea, M.G. Panaite, M.D. Vranceanu, Chromium oxynitride thin films as adhesion interlayers between metal and ceramic for dental restorations, prezentata la International Conference on Nanosciences&Nanotechnologies-NN15, Thessaloniki, Grecia, iulie, 2015
12. A. Vladescu, C.M. Cotrut, M. Braic, I. Dan, A. Kiss, V. Braic, S. Ivanescu, Biofunctionalization of Ti based alloy by deposition of bioactive ceramic coatings, prezentata la 12th International Conference on Nanosciences & Nanotechnologies – NN15, Thessaloniki, Grecia, iulie, 2015
13. A. Vladescu, V. Braic, M. Badea, M. Braic, M. Moga, A. Kiss, E. Pozna, Enhancement of the antibacterial properties of hydroxyapatite by Ag addition, prezentata la 12th International Conference on Nanosciences & Nanotechnologies – NN15, Thessaloniki, Grecia, iulie, 2015
14. M. Dinu, M. Balaceanu, M. Braic, A. Vladescu, C.M. Cotrut, V. Braic, Oxynitride biocompatible coatings used in dental applications, prezentata la 12th International Conference on Nanosciences & Nanotechnologies – NN15, Thessaloniki, Grecia, iulie, 2015
15. M. Braic, M. Balaceanu, A. Vladescu, M. Dinu, V. Braic, Functional multicomponent hard coatings for tribological applications, prezentata la 12th International Conference on Nanosciences & Nanotechnologies – NN15, Thessaloniki, Grecia, iulie, 2015
16. J. Bretagne, C. Vitelaru, P. Fromy, T. Minea, Collisional Radiative Model of a HIPIMS discharge and comparison with time dependent. Optical Emission Spectroscopic diagnostic, prezentata la The International Conference on Phenomena in Ionized Gases – ICPIG, Iasi, Romania, iulie, 2015

17. C. Vitelaru, A. Radulian, N. Mocioi, V. Braic, Evaluation of vacuum contactor testing facility by optical and spectroscopic investigations, prezentata la The International Conference on Phenomena in Ionized Gases – ICPIG, Iasi, Romania, iulie, 2015
18. I. Pana, C. Vitelaru, M. Braic, Optical emission spectroscopy study on He addition in an Ar/CH₄ reactive DC magnetron discharge aiming for ZrC films deposition, prezentata la The International Conference on Phenomena in Ionized Gases – ICPIG, Iasi, Romania, iunie, 2015
19. A. Vladescu, M. Braic, M. Badea, A. Kiss, V. Braic, Improvement of the Antibacterial Properties of Hydroxyapatite Coatings, prezentata la 27th European Conference on Biomaterials ESB2015, Cracovia, Polonia, august, 2015
20. A. Vladescu, M. Dinu, M. Braic, M. Balaceanu, V. Braic, Growth and Tribological Performance of Cr-based Nitrides and Oxynitrides Multilayers, prezentata la 27th European Conference on Biomaterials ESB2015, Cracovia, Polonia, august, 2015
21. C.M. Cotrut, M. Braic, I. Titorencu, V. Braic, A. Kiss, I. Pana, A. Vladescu, Enhancement of mechanical, anticorrosive and biological properties of hydroxyapatite by TiO₂ addition, prezentata la 12th International Conference on Nanosciences & Nanotechnologies – NN15, Thessaloniki, Grecia, iulie, 2015
22. A.I. Gherghilescu, C.M. Cotrut, I. Titorencu, I. Dan, I. Ivănescu, A. Vladescu, M. Braic, V. Pruna, V. Braic, Investigation of Ti₂₅Nb₁₀Zr alloy for orthopedic applications, prezentata la 12th International Conference on Nanosciences & Nanotechnologies – NN15, Thessaloniki, Grecia, iulie, 2015
23. A. Vladescu, M. Braic, M. Badea, A. Kiss, M. Dinu, M. Moga, V. Braic, E. Pozna, Improvement of the mechanical and antibacterial properties of hydroxyapatite, prezentata la The Eleventh Conference for Young Scientists in Ceramics -SM2015, Novi Sad, Serbia, octombrie, 2015
24. M. Tarcolea, M. Dinu, A.I. Gherghilescu, D.M. Vranceanu, R.M. Comaneanu, C.M. Cotrut, Electrochemical properties of CrSi-based oxynitrides deposited on NiCr and CoCr dental alloys, prezentata la European Conference on Biomaterials -ESB2015, Cracovia, Polonia, august, 2015
25. S. Sesnic, K. Vilumaa, D. V. Ene, Overview of Half--Day Training School for Early--Career Investigators (ECI), prezentata la COST (European Cooperation in Science and Technology)-TU 1208, Londra, martie, 2015
26. R. Radvan, Optoelectronic acts and delivers for cultural heritage, prezentata la The 3-rd IFA - CEA Joint Symposium , Bucuresti, Romania, aprilie, 2015
27. M. Simileanu, R. Radvan, LIBS stratigraphy investigations on thin multilayer CH objects, prezentata la GILT-En ART 2015, Evora, Portugalia, mai, 2015
28. R. Radvan, M. Simileanu, D. V. Ene, L.M. Angheluta, E-Infrastructure for Cultural Heritage Investigation, prezentata la GILT-En ART 2015, Evora, Portugalia, mai, 2015
29. R. Radvan, Optoelectronics in Cultural Heritage, prezentata la Door Open Days, Sofia, Bugaria, aprilie, 2015
30. D. V. Ene, Platform for Cultural Heritage Transdisciplinary Valorization, prezentata la Door Open Days, Sofia , Bulgaria, aprilie, 2015
31. V. Ljubic, I. M. Cortea, L.C. Ratoiu, R. Radvan, W. Kautek, Diagnostic investigations of original ultrathin preservation films on historical early electrotpe artefacts , prezentata la 114th General Assembly of the German Bunsen Society for Physical Chemistry, Ruhr-Universität Bochum, Germania, mai, 2015
32. M. Dinu, Laser ablation applications on metal artifacts, prezentata la The second On-Linecourse until: Optoelectronics in Cultural Heritage, Fayoun, Egypt, mai, 2015
33. D. V. Ene, Cultural Heritage Digitization methods, prezentata la The second On-Linecourse until: Optoelectronics in Cultural Heritage, Fayoun, Egypt, mai, 2015
34. R. Radvan, Cultural Heritage- how the best is done!, prezentata la The second On-Linecourse until: Optoelectronics in Cultural Heritage, Fayoun, Egypt, mai, 2015
35. D.V. Ene, Cultural Heritage representation in databases, prezentata la 7th Balkan Conference in Informatics, Craiova, Romania, septembrie, 2015

36. R. Radvan, 40 de ani de la înființarea Laboratoarelor Zonale de Restaurare și Conservare din România, prezentata la 40 de ani de la înființarea Laboratoarelor Zonale de Restaurare și Conservare din România, Iasi, Romania, iulie, 2015
37. A. Chelmuș, Ground penetrating radar survey inside a historical building, prezentata la International Conference on Systems, Signals and Image Processing IWSSIP 2015, Londra, Anglia, septembrie, 2015
38. C. Armeanu, X-ray image analysis for CH investigations, prezentata la International Conference on Systems, Signals and Image Processing., Londra, Anglia, septembrie, 2015
39. I. M. Cortea, L. Ghervase, Combined spectroscopic analysis for identification of mural paintings materials, prezentata la International Conference on Systems, Signals and Image Processing., Londra, Anglia, septembrie, 2015
40. D.V. Ene, R. Radvan, Fast documentation and accurate real-time investigation for historical Buddhist building, prezentata la International Conference on Systems, Signals and Image Processing., Londra, Anglia, septembrie, 2015
41. R. Radvan, Infrastructure for Research Capacity Increasing and Innovation in Optoelectronics and Analytical Instrumentation, prezentata la International Conference on Systems, Signals and Image Processing., Londra, Anglia, septembrie, 2015
42. S.R. Gradinaru, C.I. Iojă, G. Pavelescu, L. Niculita, C. Licaru, Explaining urban expansion in Romania: from county to local drivers, prezentata la International Conference – Environment at a Crossroads: SMART approaches for a sustainable future, Bucuresti, Romania, noiembrie, 2015
43. S. Dontu, G. Pavelescu, L. Ghervase, D. Savastru, Spectral fingerprints in environmental quality assessment, prezentata la 15th International Multidisciplinary Scientific GeoConference SGEM 2015, Albena, Bulgaria, iunie, 2015
44. L. Torok, G. Pavelescu, Z. Torok, E.M. Carstea, Optical characterization of aquatic ecosystems from the northern Dobrogean plateau, prezentata la 16th International Multidisciplinary Scientific GeoConference SGEM 2015, Albena, Bulgaria, iunie, 2015
45. R. Negreanu, C. Cringanu, R. Constantinescu, D. Mirea, S. Dontu, R. Negreanu, Developing Edges in Veterinary Oncology, prezentata la European Biotechnology Congress 2015, Bucuresti, Romania, mai, 2015
46. D. Savastru, S. Miclos, R. Savastru, I. Lancranjan, Numerical analysis of a smart composite material mechanical component using an embedded long period grating fiber sensor, prezentata la Conference on Smart Sensors, Actuators, and MEMS VII 1st SPIE Conference on Cyber-Physical Systems., Barcelona, Spania, mai, 2015
47. S. Miclos, D. Savastru, R. Savastru, I. Lancranjan, Design of a smart superstructure FBG torsion sensor, prezentata la Conference on Smart Sensors, Actuators, and MEMS VII 1st SPIE Conference on Cyber-Physical Systems., Barcelona, Spania, mai, 2015
48. A.A. Popescu, L. Baschir, M. Stafe, C. Negutu, D. Savastru, V. Savu, G. Vasile, M. Mihailescu, N.N. Puscas, Surface plasmon resonance and photoinduced dichroism in amorphous chalcogenide As₂S₃ films for 2D optical memory, prezentata la International Conference Romopto-2015, Section IV. Non-linear and Information Optics., Bucuresti, Romania, septembrie, 2015
49. S. Miclos, D. Savastru, R. Savastru, I. Lancranjan, Analysis of an Erbium fiber laser operated in passiv Q-switch modulated mode-locking regime by using an un-pumped optic fiber, prezentata la International Conference Romopto-2015, Section IV. Nonlinear and Information Optics., Bucuresti, Romania, septembrie, 2015
50. D. Savastru, S. Miclos, R. Savastru, I. Lancranjan, Analysis of optical microfiber thermal processes, prezentata la International Conference Romopto-2015, Section IV. Non-linear and Information Optics., Bucuresti, Romania, septembrie, 2015
51. D. Manea, M.A. Calin, S. Miclos, D. Savastru, R. Negreanu, method for assessing mammary tumours based on hyperspectral imaging, prezentata la International Conference Romopto-2015, Section IV. Non-linear and Information Optics., Bucuresti, Romania, septembrie, 2015

52. G. Pavelescu, E.M. Cartsea Fluorescence spectroscopy a tool for characterization the anthropic impact on natural aquatic systems, prezentata la Deltas and Wetlands - 24th Symposium, Tulcea, Romania, mai, 2015
53. B. A. Sava, L. Boroica, M. Elisa, G. Socol, A. Andrei, R. Monteiro, C. R. Iordanescu, I. D. Feraru, PLD Thin Films Obtained From Dy2O3 And Tb2O3 Co-doped Boro-Phosphate Glasses, prezentata la ICG, Annual Meeting, Bangkok, Thailanda, septembrie, 2015
54. B. A. Sava, L. Boroica, M. Elisa, R.C. Monteiro, O. Shikimaka, D. Grabco, C. R. Iordanescu, I. D. Feraru, Sol- gel powders and thin films from Dy and Tb doped boro-phosphate systems, prezentata la International Conference Sol-Gel, Kyoto, Japonia, septembrie, 2015
55. M. Elisa, I. D. Feraru, I. C. Vasiliu, C. R. Iordanescu, M. I. Rusu, R. Trusca, A. Moldovan, S. Peretz, Optical, structural and morphological characterization of CdS-doped sol-gel silico-phosphate films , prezentata la IEEE Nano , Roma, Italia, iulie, 2015
56. I. D. Feraru, M. Elisa, I. C. Vasiliu, C. R. Iordanescu, M. I. Rusu, R. Trusca, S. Peretz, CdS-doped silicophosphate films prepared by sol-gel synthesis, prezentata la EMRS, Lille, Franta, mai, 2015
57. I. C. Vasiliu, I. Ionita, A. Matei, M. Elisa, C. R. Iordanescu, I. D. Feraru, A. Emandi, Homogeneous smooth sol-gel films doped with organic compounds for nonlinear optics, prezentata la EMRS, Lille, Franta, mai, 2015
58. M. Sofronie, A. Galca, F. Tolea, V. Kuncser, M. Valeanu, M. Elisa, C. R. Iordanescu, I. D. Feraru, B. A. Sava, L. Boroica, Magneto-optical and magnetic properties of doped aluminophosphate glasses, prezentata la 20th International Conference on Magnetism, Barcelona, Spania, iulie, 2015
59. B. A. Sava, M. Elisa, L. Boroica, R. Medianu, R. C. Monteiro, V. Kuncser, M. Valeanu, C. R. Iordanescu, I. D. Feraru, Bismuth and lead oxide-codoped borophosphate thin films obtained by rf magnetron sputtering, for magneto-optical applications, prezentata la International Conference on Materials and Technology (23rd ICM&T), Portoroz, Slovenia, septembrie, 2015
60. D. Grabco, O. Shikimaka, M. Elisa, B. A. Sava, L. Boroica, E. Harea, C. Pyrtsac, A. Prisacaru, I. D. Feraru, Z. Barbos, I. Vreme, Effect of spin coating technique on mechanical properties of silicophosphate thin film doped by neodymium, prezentata la The 3rd International Conference on Nanotechnologies and Biomedical Engineering, Chisinau, Republica Moldova, septembrie, 2015
61. I. A. Birtoiu, M. I. Rusu, N. D. Becherescu-Barbu, A. Vitalaru, D. Togoe, M. Pascal, M. V. Udrea, B. Chiricuta, C. Rizea, A. Parau, C. E. Grigorescu, Ex vivo investigation of mammary tumours by micro-Raman spectroscopy in the visible range, prezentata la EMRS, Lille, Franta, mai, 2015
62. C. Rizea, C. Micsa, M. Pascal, M. I. Rusu, N. D. Becherescu-Barbu, I. A. Birtoiu, C. E. Grigorescu, Minimally invasive spectroscopic technique to diagnostic and monitor canine extra genital transmissible venereal tumour , prezentata la EMRS, Lille, Franta, mai, 2015
63. M. Ungureanu, G. Buica, I. Chilibon, M. Mihai, R. Isopescu, I. C. Vasiliu, I. D. Feraru, C. R. Iordanescu, Chemically modified electrodes based on polyazulene for metal ions detection, prezentata la 34th International Conference on Solution Chemistry, Praga, Cehia, septembrie, 2015
64. I. Chilibon, Piezoelectric materials for generating renewable electricity, prezentata la Congresul international World Renewable Energy Congress 14, WREC XIV, Bucuresti, Romania, iunie, 2015
65. M. Costa-Surós, I.S. Stachlewska, D. Nicolae, A. Nemuc, L. Janicka, K.M. Markowicz, L. Belegante, C. Talianu, B. Heese, R. Engelmann, Analysis of air-mass modification over Poland and Romania by means of multiwavelength lidars - a case study 19-21/07/2014, prezentata la EGU General Assembly 2015, Viena, Austria, aprilie, 2015
66. L. Marmureanu, J. Vasilescu, F. Canonaco, A.S.H. Prévôt, D. Nicolae, C. Talianu, Assessment of organic markers for source apportionment in a suburban area, prezentata la European Aerosol Conference, Milano, Italia, septembrie, 2015
67. J. Vasilescu, L. Marmureanu, L. Belegante, A. Nemuc, D. Nicolae, Biomass burning aerosols characterization using mass spectrometry and depolarization lidar, prezentata la European Aerosol Conference, Milano, Italia, septembrie, 2015

68. C. Talianu, L. Marmureanu, D. Nicolae, Estimation of black carbon content for biomass burning aerosols from multi-channel Raman lidar data, prezentata la EGU General Assembly 2015, Viena, Austria, aprilie, 2015
69. D. Nicolae, L. Belegante, C. Talianu, J. Vasilescu, Using artificial neural networks to retrieve the aerosol type from multi-spectral lidar data, prezentata la EGU General Assembly 2015, Viena, Austria, aprilie, 2015
70. F. Toanca, S. Stefan, I. Biniotoglou, L. Labzovskii, H. Stefanie, Detection of fog layers characteristics with ground-based remote sensing equipments, prezentata la EGU General Assembly 2015, Viena, Austria, aprilie, 2015
71. H. Stefanie, D. Nicolae, A. Nemuc, L. Belegante, F. Toanca, N. Ajtai, A. Ozunu, Application of the LIRIC algorithm for the characterization of aerosols during the Airborne Romanian Measurements of Aerosols and Trace gases (AROMAT) campaign, prezentata la EGU General Assembly 2015, Viena, Austria, aprilie, 2015
72. I. Biniotoglou, H. Baars, G. D'Amico, D. Nicolae, A cloud masking algorithm for EARLINET lidar systems, prezentata la EGU General Assembly 2015, Viena, Austria, aprilie, 2015
73. L. Labzovskii, I. Biniotoglou, A. Papayannis, R. Banks, J.M. Baldasano, Evaluation of model-simulated water vapor profiles as a tool for aerosol hygroscopicity studies: based upon lidar and microwave radiometer measurements from the HygrA-CD campaign, prezentata la EGU General Assembly 2015, Viena, Austria, aprilie, 2015
74. L. Mona, V. Amiridis, A. Amodeo, I. Biniotoglou, G. D'Amico, A. Schwarz, N. Papagiannopoulos, A. Papayannis, M. Sicard, A. Comeron, G. Pappalardo, Long-term EARLINET dust observations, prezentata la EGU General Assembly 2015, Viena, Austria, aprilie, 2015
75. S. Andrei, D.M. Micu, N. Barbu, C.S. Dragota, Heat Stress in South Romania in Connection to Large-scale Circulation Patterns,, prezentata la 15th European Meteorological Society Annual Meeting & 12th European Conference on Applications of Meteorology (ECAM), Sofia, Bulgaria, septembrie, 2015
76. S. Andrei, N. Barbu, A. Nemuc, I. Biniotoglou, A. Dandocsi, H. Stefanie, Aerosol Type Assessment at Magurele (Romania) Based on Remote Sensing Measurements and Large Scale Circulation Patterns, prezentata la 15th European Meteorological Society Annual Meeting & 12th European Conference on Applications of Meteorology (ECAM), Sofia, Bulgaria, septembrie, 2015
77. A. Nemuc, I. Biniotoglou, S. Andrei, A. Dandocsi, H. Stefanie, Multiyear Aerosol Study Based on Lidar & Sunphotometer Measurements in Romania, prezentata la 27th International Laser Radar Conference, New York, SUA, iulie, 2015
78. D. Nicolae, J. Vasilescu, C. Talianu, A. Dandocsi, Independent retrieval of aerosol type from lidar, prezentata la 27th International Laser Radar Conference, New York, SUA, iulie, 2015
79. G. Pappalardo, V. Freudenthaler, D. Nicolae, L. Mona, L. Belegante, G. D'Amico, Lidar Calibration Centre, prezentata la 27th International Laser Radar Conference, New York, SUA, iulie, 2015
80. L. Mona, L. Alados-Arboledas, V. Amiridis, A. Amodeo, A. Apituley, D. Balis, A. Comeron, H. Linné, D. Nicolae, A. Papayannis, M. Perrone, V. Rizi, N. Siomos, U. Wandinger, X. Wang, G. Pappalardo, EARLINET: 12-Year Of Aerosol Profiling Over Europe, prezentata la 27th International Laser Radar Conference, New York, SUA, iulie, 2015
81. S. Samaras, C. Böckmann, D. Nicolae, Combined sphere-spheroid particle model for the retrieval of the microphysical aerosol parameters via regularized inversion of lidar data, prezentata la 27th International Laser Radar Conference, New York, SUA, iulie, 2015
82. A. Papayannis, A. Argyrouli, P. Kokkalis, G. Tsaknakis, I. Biniotoglou, S. Solomos, S. Kazadzis, S. Samaras, C. Böckmann, P. Raptis, V. Amiridis, Vertical Profiles of Aerosol Optical and Microphysical Properties During A Rare Case Of Long-Range Transport Of Mixed Biomass Burning-Polluted Dust Aerosols From The Russian Federation-Kazakhstan To Athens, Greece, prezentata la 27th International Laser Radar Conference, New York, SUA, iulie, 2015
83. E. Marinou, V. Amiridis, A. Tsekeri, S. Solomos, P. Kokkalis, E. Proestakis, M.M. Kottas, I. Biniotoglou, P. Zanis, S. Kazadzis, U. Wandinger, A. Ansmann, 3D Structure of Saharan Dust

- Transport Towards Europe As Seen By CALIPSO, prezentata la 27th International Laser Radar Conference, New York, SUA, iulie, 2015
84. A. Papayannis, A. Argyrouli, D. Mueller, G. Tsaknakis, P. Kokkalis, I. Biniotoglou, S. Kazadzis, S. Solomos, V. Amiridis, Tropospheric Vertical Profiles of Aerosol Optical, Microphysical and Concentration Properties in the Frame of the Hygra-CD Campaign (Athens, Greece 2014): A Case Study of Long-Range Transport of Mixed Aerosols, prezentata la 27th International Laser Radar Conference, New York, SUA, iulie, 2015
 85. J. Vasilescu, L. Belegante, L. Marmureanu, F. Toanca, Variability of Biomass Burning Aerosols Layers and Near Ground, prezentata la 27th International Laser Radar Conference, New York, SUA, iulie, 2015
 86. M. Costa-Surós, L. Janicka, I. Stachlewska, A. Nemuc, C. Talianu, B. Heese, R. Engelmann, Study Case of Air-Mass Modification Over Poland and Romania Observed by the Means of Multiwavelength Raman Depolarization Lidars, prezentata la 27th International Laser Radar Conference, New York, SUA, iulie, 2015
 87. L. Belegante, V. Freudenthaler, A. Nemuc, J. Vasilescu, I. Biniotoglou, C. Radu, V.F. Benciu, D. Nicolae, Calibrated depolarization retrievals using lidar, prezentata la Conference on Lidar Technologies, Techniques, and Measurements for Atmospheric Remote Sensing XI, Toulouse, Franta, septembrie, 2015
 88. D. Nicolae, A. Nemuc, S. Andrei, A. Dandocsi, H. Stefanie, Aerosol variability in Romania from combined remote sensing data, prezentata la Conference on Lidar Technologies, Techniques, and Measurements for Atmospheric Remote Sensing XI, Toulouse, Franta, septembrie, 2015
 89. I. Serikov, D.N. Nicolae, V. Amiridis, H. Linné, B. Brüggemann, Design study for an airborne multi-wavelength, multi-depolarization high-spectral resolution lidar, prezentata la Conference on Lidar Technologies, Techniques, and Measurements for Atmospheric Remote Sensing XI, Toulouse, Franta, septembrie, 2015
 90. M. Zoran, R. Savastru, D. Savastru, Lithosphere-Surfacesphere-Atmosphere-Ionosphere Coupling Model for Vrancea Seismic Zone in Romania, prezentata la International Conference Balkan Physical Union 9, Istanbul, Turcia, august, 2015
 91. M. Zoran, R. Savastru, D. Savastru, A. Dida, Satellite Earth Observation Data to Identify Climate and Anthropogenic Pressures on Bucharest Periurban Forests, prezentata la International Conference Balkan Physical Union 9, Istanbul, Turcia, august, 2015
 92. M. Zoran, Anomalous Radon Emission as Precursor of Medium to Strong Earthquakes, prezentata la International Conference Balkan Physical Union 9, Istanbul, Turcia, august, 2015
 93. M. Zoran, R. Savastru, D. Savastru, Anomalous Land Surface Temperature Detected from Time-Series Satellite Data as Precursor of Strong Earthquake, prezentata la 35th EARSeL Symposium – European Remote Sensing: Progress, Challenges and Opportunities, Stockholm, Suedia, iunie, 2015
 94. M. Zoran, A. Dida, Use of time-series satellite remote sensing data for assessment of climate and anthropogenic impacts on forest land-cover, prezentata la 35th EARSeL Symposium – European Remote Sensing: Progress, Challenges and Opportunities, Stockholm, Suedia, iunie, 2015
 95. M. Zoran, R. Savastru, D. Savastru, M. Tautan, L. Baschir, A. Dida, Assessment of Bucharest Urban Green Land-Cover Changes through Time-Series Satellite Data, prezentata la 2nd EARSeL International Workshop on Temporal Analysis of Satellite Images, Stockholm, Suedia, iunie, 2015
 96. M. Zoran, R. Savastru, D. Savastru, Earthquake Precursors Assessment In Vrancea Region Through Optospectral Satellite And In-Situ Monitoring Data, prezentata la Book of Abstractsof 15th International Balkan Workshop on Applied Physics, Constanta, Romania, iulie, 2015
 97. M. Zoran, R. Savastru, D. Savastru, M. Tautan, S. Miclos, L. Baschir, Satellite Imagery For Assessment Of Bucharest Urban Green Changes, prezentata la Book of Abstractsof 15th International Balkan Workshop on Applied Physics, Constanta, Romania, iulie, 2015

98. M. Zoran, A. Dida, Impacts of climate and anthropogenic pressures on forest ecosystems in Romania from satellite data, prezentata la Book of Abstractsof 15th International Balkan Workshop on Applied Physics, Constanta, Romania, iulie, 2015
99. M. Zoran, R. Savastru, D. Savastru, A. Dida, Satellite Earth Observation Data to Identify Climate and Anthropogenic Pressures on Bucharest Periurban Forests, prezentata la 9th International Physics Conference of the Balkan Physical Union – BPU9, Istanbul, Turcia, august, 2015
100. M. Zoran, R. Savastru, D. Savastru, Lithosphere-Surfacesphere-Atmosphere-Ionosphere Coupling Model for Vrancea Seismic Zone in Romania, prezentata la 9th International Physics Conference of the Balkan Physical Union – BPU9, Istanbul, Turcia, august, 2015
101. M. Zoran, Anomalous Radon Emission as Precursor of Medium to Strong Earthquakes, prezentata la 9th International Physics Conference of the Balkan Physical Union – BPU9, Istanbul, Turcia, august, 2015
102. M. Zoran, A. Dida, L. Zoran, Impact of climate and anthropogenic changes on urban surface albedo assessed from time-series MODIS satellite data, prezentata la SPIE Remote Sensing Europe 2015, Earth Resources and Environmental Remote Sensing/GIS Applications VI, Toulouse, Franta, septembrie, 2015
103. M. Zoran, R. Savastru, D. Savastru, An Integrated Geospatial System for earthquake precursors assessment in Vrancea tectonic active zone in Romania, prezentata la SPIE Remote Sensing Europe 2015, Earth Resources and Environmental Remote Sensing/GIS Applications VI, Toulouse, Franta, septembrie, 2015
104. M. Zoran, A. Dida, An assessment of the impact of climate change effects on forest land cover based on satellite data, prezentata la SPIE Remote Sensing Europe 2015, Earth Resources and Environmental Remote Sensing/GIS Applications VI, Toulouse, Franta, septembrie, 2015
105. M. Zoran, R. Savastru, D. Savastru, M. Tautan, L. Baschir, Urban green spatio- temporal changes assessment through time-series satellite data, prezentata la SPIE Remote Sensing Europe 2015, Earth Resources and Environmental Remote Sensing/GIS Applications VI, Toulouse, Franta, septembrie, 2015
106. M. Zoran, D. Savastru, Time series geospatial data for earthquake precursors assessment in Vrancea tectonic active region in Romania, prezentata la A patra Conferință Copernicus pentru Europa de Est, Bucuresti, Romania, octombrie, 2015
107. M.L. Andrei, M. Șenilă, A. Hoaghia, G. Borodi, E. Levei, Study of Cu and Pb Partitioning in Mine Tailings Using the Tessier Sequential Extraction Scheme, prezentata la 10th International Conference PROCESSES IN ISOTOPES AND MOLECULES, Cluj-Napoca, Romania, septembrie, 2015
108. A. Hoaghia, E. Levei, O. Cadar, D. Ristoiu, Assessment of seasonal variations of water quality in Moșna river (Sibiu county) , prezentata la Air and Water Components of Environmental Conference, Cluj-Napoca, Romania, martie, 2015
109. M. Șenilă, M. Sima, E. Levei, M. Roman, L. Șenilă, A. Hoaghia, D. Micu, O. Cadar, D. Bălțeanu, Drinking water quality in wells from an area affected by flood events: case study of curvature Sub-Carpathians, Romania, prezentata la Air and Water Components of Environmental Conference, Cluj-Napoca, Romania, martie, 2015
110. C. Tănăsolia, E. Levei, M. Câmpăanu, C. Balica, REE investigation of Mocs chondrite using inductively coupled plasma mass spectrometry methods, prezentata la Goldschmidt Conference , Praga, Republica Cehă, august, 2015
111. M. Frențiu, E. Darvasi, S. Butaciu, G. Horvath, M. Ponta, T. Frențiu, Mercury determination in food and environmental samples using sono-induced cold vapor generation and detection by capacitively coupled plasma microtorch optical emission spectrometry , prezentata la XXI Conferinta Internationala de Chimie , Șumuleu-Ciuc, Romania, septembrie, 2015
112. E. Darvasi, T. Frențiu, S. Butaciu, G. Horvath, M. Ponta, S. Cadar, M. Frențiu, Cadmium and lead determination in environmental samples using electrothermal vaporization form a small-sized Rh coil and detection by capacitively coupled plasma microtorch optical emission spectrometry , prezentata la XXI Conferinta Internationala de Chimie , Șumuleu-Ciuc, Romania, septembrie, 2015

113. F. Millan, J. Prato, D. Zerpa, M. Șenilă, E. Levei, C. Tănăsela, S. Lomonaco, Caracterización química de tres fracciones granulométricas de materiales litológicos oxidicos, prezentata la XXI Congreso Venezolano de la ciencia del suelo, San Cristobal, Spania, noiembrie, 2015
114. M.L. Andrei, M. Senila, A. Hoaghia, G. Borodi, E. Levei, Study of Cu and Pb Partitioning in Mine Tailings Using the Tessier Sequential Extraction Scheme, prezentata la 10th International Conference PROCESSES IN ISOTOPES AND MOLECULES , Cluj-Napoca, Romania, septembrie, 2015
115. M. Blejan, I. Ilie, C. Cristescu, R.I. Radoi, Electronics for electro-hydraulic actuation system, prezentata la The 2015 IEEE 21st International Symposium for Design and Technology in Electronic Packaging (SIITME), Brasov, Romania, octombrie, 2015
116. E. Murad, E. Maican, G. Matache, Aplicarea conceptului CHAB la încălzirea cu biomasă a serelor, prezentata la Targul International de Energii Regenerabile si Eficienta Energetica in Constructii RoEnergy South-East Europe , Bucuresti, Romania, mai, 2015

ANEXA 7.a Comunicări științifice prezentate la conferințe naționale

1. Vladescu, M. Badea, M. Braic, A. Kiss, M. Moga, V. Braic, E. Posna, I. Pana, A. Parau, Ag AND SiC DOPED HYDROXYAPATITE COATINGS FOR BIOMATERIAL APPLICATIONS , prezentata la BRAMAT 2015, Brasov, Romania, martie, 2015
2. I. Pana, C Vitelaru, A. Kiss, M. Braic, G. Dinescu, Design and optical characterization of TiO₂-SiO₂ multilayers obtained by RF magnetron sputtering, prezentata la Sesiunea Stiintifica Anuala Facultatea de Fizica a Universitatii din Bucuresti, Magurele, Romania, iunie, 2015
3. M. Braic, A. Vladescu, M. Dinu, I. Pana, A. Parau, V. Braic, M. Balaceanu, Functional multicomponent hard coatings, prezentata la 15th International Balkan Workshop on Applied Physics and Materials Science - IBWAP, Constanta, Romania, iulie, 2015
4. V. Pruna, I. Titorencu, A. Vladescu, V. Jinga, Evaluation of the Ti-25Nb-10Zr alloy for possible application in the bone tissue engineering , prezentata la 7th National Congress With International Participation And 33rd Annual Scientific Session Of The Romanian Society For Cell Biology, Baia Mare, Romania, iunie, 2015
5. A.I. Chelmus, Long-term microclimate monitoring at the "Assumption of the Holy Virgin" Church of Tismana Monastery, prezentata la Restitutio-„PRIMUM NON NOCERE” - Restaurarea patrimoniului față în față cu „vârstele” acestuia , Bucuresti, Romania, noiembrie, 2015
6. L.M. Angheluta, CERES – Centru pentru valorizarea proiectelor cultural-s,tiint,ifice în arheologie, prezentata la Restitutio-„PRIMUM NON NOCERE” - Restaurarea patrimoniului față în față cu „vârstele” acestuia , Bucuresti, Romania, noiembrie, 2015
7. L.C. Ratoiu, D.V. Ene, R. Radvan, Metodă alternativă de refacere, completare s,i reintegrare a unor detalii decorative folosind tehnica printării 3D , prezentata la Restitutio-„PRIMUM NON NOCERE” - Restaurarea patrimoniului față în față cu „vârstele” acestuia , Bucuresti, Romania, noiembrie, 2015
8. A. Chelmus, Ground penetrating radar data interpretation using an electromagnetic wave propagation simulator, prezentata la Sesiunea Stiintifica Anuala a facultatii de Fizica la sectiunea Optica, Spectroscopie, Plasma, Laseri, Magurele, Romaniaia, mai, 2015
9. C. Armeanu, Image reconstruction with back filtered projection algorithms, used in cultural heritage investigations, prezentata la Sesiunea Stiintifica Anuala a facultatii de Fizica la sectiunea Optica, Spectroscopie, Plasma, Laseri, Magurele, Romaniaia, 2015
10. D. V. Ene, R. Radvan, L.M. Angheluta, Valorizarea patrimoniului cultural prin baze de date relateate, prezentata la Restitutio-„PRIMUM NON NOCERE” - Restaurarea patrimoniului față în față cu „vârstele” acestuia , Bucuresti, Romania, noiembrie, 2015

11. I. M. Cortea, Investigations on the physico-chemical stability of polymeric adhesives and consolidants used in conservation , prezentata la Restitutio-„PRIMUM NON NOCERE” - Restaurarea patrimoniului față în față cu „vârstele” acestuia, Bucuresti, Romania, noiembrie, 2015
12. L. Ghervase, R. Radvan, Differentiation between organic and inorganic-based pigments through XRF, prezentata la Restitutio-„PRIMUM NON NOCERE” - Restaurarea patrimoniului față în față cu „vârstele” acestuia , Bucuresti, Romania, noiembrie, 2015
13. M. Dinu, A new risk free concept implemented in archives, prezentata la Restitutio-„PRIMUM NON NOCERE” - Restaurarea patrimoniului față în față cu „vârstele” acestuia , Bucuresti, Romania, noiembrie, 2015
14. J. Vasilescu, D. Nicolae, A. Nemuc, L. Belegante, L. Marmureanu, Active and passive remote sensing techniques for atmospheric investigation, prezentata la Environment at Crossroads: SMART approaches for a sustainable future – ECOSMART conference, Bucuresti, Romania, noiembrie, 2015
15. A. Nemuc, D. Nicolae, J. Vasilescu, F. Toanca, Atmospheric observations in Romania, prezentata la Simpozionul National Environment & Progress, Cluj-Napoca, Romania, octombrie, 2015
16. V.F. Benciu, C. Radu, H. Stefanie, V. Palea, C. Marin, Industrialization effects based on air quality measurements in Romania, prezentata la Simpozionul National Environment & Progress, Cluj-Napoca, Romania, octombrie, 2015
17. L. Marmureanu, J. Vasilescu, D. Ene, A. Dandocsi, Assessment of chemical markers for biomass burning organic aerosols, prezentata la Simpozionul National Environment & Progress, Cluj-Napoca, Romania, octombrie, 2015
18. C. Talianu, H. Stefanie, L. Belegante, S. Andrei, A new scientific approach for small-size wildfires detection using satellite imagery and transport model FLEXPART, prezentata la Simpozionul National Environment & Progress, Cluj-Napoca, Romania, octombrie, 2015
19. A. Dandocsi, Aerosol properties study based on LIDAR and SunPhotometry measurements, prezentata la Sesiunea de Comunicari Stiintifice a Univ. Politehnica Bucuresti, Bucuresti, Romania, mai, 2015
20. H.I. Stefanie, M.M. Cazacu, A. Timofte, F. Benciu, A. Dandocsi, S. Solomos, A. Ozunu, Assessing the presence of biomass burning aerosols above Romania during the fires around Chernobyl – Ukraine in May 2015 using remote sensing techniques, prezentata la Bucharest University Faculty of Physics 2015 Meeting, Magurele, Romania, iunie, 2015
21. F. Toanca, S. Stefan, S. Andrei, D. Nicolae, N. Barbu, Fog study using laser remote sensing and air circulation over Măgurele, prezentata la Bucharest University Faculty of Physics 2015 Meeting, Magurele, Romania, iunie, 2015
22. M. Zoran, R. Savastu, D. Savastu, A. Dida, Time Series Satellite Remote Sensing Data For Assessment Of Climate And Anthropogenic Impacts On Forest Vegetation, prezentata la Symposium Applied Climatology, Constanta, Romania, august, 2015
23. M. Zoran, D. Savastu, D. Mateciuc, Earthquake precursors assessment in Vrancea region through satellite and in-situ monitoring data, prezentata la The National Symposium’75 Years from November 10th 1940 Vrancea Earthquake, Bucuresti, Romania, noiembrie, 2015
24. M. Zoran, Earthquake precursory signature of Radon (^{222}Rn), prezentata la The National Symposium’75 Years from November 10th 1940 Vrancea Earthquake, Bucuresti, Romania, noiembrie, 2015
25. I.D. Brăhăița, D. Malaschi, E. Levei, C. Tănăsolia, C. Nicoară, E. Rîmba, The use of aquatic plants for the treatment of acidic waters polluted with heavy metals, prezentata la Simpozion national cu

participare internationala, editia IX Environment and Progress, Cluj-Napoca, Romania, octombrie, 2015

26. M. Miclean, M.H. Kovacs, E.D. Kovacs, Polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs) in dairy food in Cluj-Napoca market, Romania, using GC-MS/MS technique, prezentata la Simpozion national cu participare internationala, editia IX Environment and Progress, Cluj-Napoca, Romania, octombrie, 2015
27. P. Drumea, Introducere in hidraulica digitala, prezentata la Workshop EUROHIDRAULICA, Cluj-Napoca, Romania, iunie, 2015
28. I.C. Dumitrescu, Tipuri de probe, mijloace de testare utilizate la probarea echipamentelor hidraulice, prezentata la Workshop EUROHIDRAULICA, Cluj-Napoca, Romania, iunie, 2015
29. R.I. Radoi, Aplicatii ale electrohidraulicii in sistemele de simulare si antrenament; studiu de caz – Simulator derapaje, prezentata la SIITme, Cluj-Napoca, Romania, iunie, 2015
30. P. Drumea, I.C. Dumitrescu, Hidraulica proporțională. Hidraulica digitală, prezentata la Workshop EUROHIDRAULICA, Com. Pojejena, Jud. Caraș-Severin, Romania, octombrie, 2015
31. I.C. Dumitrescu, Mentenanța în hidraulică, prezentata la Workshop EUROHIDRAULICA, Com. Pojejena, Jud. Caraș-Severin, Romania, octombrie, 2015
32. I.C. Dumitrescu, P. Drumea, I. Balan, L. Vaida, V. Balașoiu Probele și metodologia de probare a echipamentelor hidraulice de la concepte model experimental la întreținere, prezentata la Workshop EUROHIDRAULICA, Com. Pojejena, Jud. Caraș-Severin, Romania, octombrie, 2015
33. I. Balan, Prezentarea unui proiect de actualitate al INOE 2000-IHP – Instalatie pentru fertirigatie, prezentata la Workshop EUROHIDRAULICA, Com. Pojejena, Jud. Caraș-Severin, Romania, octombrie, 2015