

Comunicari stiintifice INOE 2019

Nr.	Titlu	Autori	Eveniment
1.	Evaluation of ACSM response to different mixtures of organic and inorganic solutions, and assessing the impact on organic source apportionment results	E. Freney, O. Favez, J.E. Petit, F. Truong, M.C. Minguillon, D. Green, L. Marmureanu, C. Marin, Z. Bibi, J. Ovadnevite, T. Elste, E. Coz, J. Allan, M. Canagaratna, J. Jayne, P. Croteau, L. Williams and V. Gro,	European Aerosol Conference, Gotenburg, Suedia, 2019-08-27
2.	What can we learn about biomass burning aerosol in Europe from a decade of EARLINET-ACTRIS observations?	Mariana Adam, I. S. Stachlewska, D. Szczepanik, L. Belegante, D.Nicolae	ACTRIS-2 Final General Meeting, Darmstadt, Germania, 2019-04-01
3.	Explosive Mediterranean Cyclones over Southeastern Europe	M. Brancus, B. Antonescu, S. Stefan	International Conference Environment at a Crossroads: SMART approaches for a sustainable future (ECOSMART), Bucuresti, Romania, 2019-09-15
4.	Energy consumption optimization and environmental protection by using solar energy on security pontoons on the Danube	C. Cristescu, R.I. Rădoi, I.C. Dumitrescu, L. Dumitrescu	International Conference on Geo Sciences GEOLINKS, Atena, Grecia, 2019-03-27
5.	Analiza cinematică a unui braț robotic cu cinci grade de libertate prin intermediul instrumentului Tracker	E.Al. Bodîlcă, C. Vatamanu, A. Enişor, R. Panaitescu-Liess, Al.P. Chiriță	Al XXV-lea Simpozion National de Utilaje pentru Constructii SINUC 2019, Bucureşti, Romania, 2019-12-13
6.	Utilizarea tehnologiei FDM pentru fabricarea rapidă a prototipurilor	Al.P. Chiriță, L. Dumitrescu, Șt.M. Șefu, I.M. Baci	Al XXV-lea Simpozion National de Utilaje pentru Constructii SINUC 2019, Bucureşti, Romania, 2019-12-13
7.	Performances of proportional and servo hydraulic valves used in mechatronic systems of industrial machinery	Radu Rădoi, Bogdan Tudor, Alexandru Hristea, Mihai Alexe	International Conference on Applied Sciences ICAS2019, Hunedoara, Romania, 2019-05-09
8.	Modele funcționale din hidraulica digitala	Petrin Drumea, Cătălin Dumitrescu, Ioan Pavel, Bogdan Tudor, Alexandru Hristea	Zilele Academice ale ASTR, Ediția a XIV-a, Chişinău, Moldova, 2019-10-17
9.	Seasonal chemical composition of submicron aerosols near Bucharest	Jeni Vasilescu	Colossal Scientific Workshop/ King's College London, London, Regatul Unit al Marii Britanii, 2019-03-07

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10.	Assessment of black carbon influences on air quality in suburban area in Romania	Luminita Marmureanu, Alexandru Dandocsi, Cristina Marin, Konstantina Oikonomou, Jean Sciare	Cost Action (Scientific Meeting), Leipzig, Germania, 2019-01-16
11.	Winter Intensive Measurement Campaign at Magurele, Romania	Cristina Antonia Marin, Luminita Marmureanu, Alexandru Dandocsi, Bogdan Antonescu, Simona Andrei, Cristian Radu and Cristina Stan	European Aerosol conference 2019, Goteborg, Suedia, 2019-08-29
12.	Assessment of black carbon influences on air quality in a suburban area from eastern Europe during winter season	Luminita Marmureanu, Alexandru Dandocsi, Cristina Marin, Konstantina Oikonomou, Jean Sciare	European Aerosol conference 2019, Goteborg, Suedia, 2019-08-29
13.	Biomass burning emissions multiannual statistics in Romania	Cristina Marin , Luminita Marmureanu, Simona Andrei, Bogdan Antonescu , Mihai Boldeanu , Jeni Vasilescu , Alexandru Dandocsi	International Conference Environment at a Crossroads: SMART approaches for a sustainable future (EcoSmart), Bucuresti, Romania, 2019-09-06
14.	Influence of the temperature profiles in the retrieval of greenhouse gases column density from a low resolution FTIR system	A. Dandocsi, L. Marmureanu, C. Marin, F. Toanca	International Symposium on Tropospheric Profiling, Toulouse, Franta, 2019-05-01
15.	Hyperspectral imaging combined with machine learning classifiers for diabetic leg ulcer assessment – A case study	Calin MA, Parasca SV, Manea D, Savastru R.	23rd Conference on Medical Image Understanding and Analysis, Liverpool, Regatul Unit al Marii Britanii, 2019-07-24
16.	Organ segmentation and classification using hyperspectral imaging for surgery applications	Dragos Manea, Mihaela Antonina Calin, Sorin Viorel Parasca, Doina Nicoleta Nicolae	The Fourth International Workshop on Image Processing Techniques and Applications, Liverpool, Regatul Unit al Marii Britanii, 2019-07-22
17.	Hyperspectral imaging for real-time detection and visualization of lip cancer: a pilot study	Calin MA, Parasca SV, Boiangiu IC, Manea D, Savastru R	Seventh International Conference on Radiation in Various Fields of Research, Harceg-Novi, Global, 2019-06-10
18.	Classification of the hyperspectral image of a basal cell carcinoma using artificial intelligence	Manea D, Calin MA, Parasca SV, Museteanu A	Seventh International Conference on Radiation in Various Fields of Research, Harceg-Novi, Global, 2019-06-10
19.	New evidence on the effects of pelotherapy on local microcirculation.	Calin MA, Calin MR, Munteanu C	Romanian Congress of Physical and Rehabilitation Medicine and Balneology, Galati, Romania,

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	Romanian Congress of Physical and Rehabilitation Medicine and Balneology		2019-09-04
20.	Radiometric assessment of peloid and salt water used for therapy and balneary tratament from Techirghiol Lake, Romania	Calin MR, Radulescu I, Calin MA, Almasan ER	Romanian Congress of Physical and Rehabilitation Medicine and Balneology, Galati, Romania, 2019-09-04
21.	Hyperspectral imaging solution for mud therapy monitoring	Calin MA, Parasca SV, Calin MR, Munteanu C, Almsan ER	Conferinta Aniversara "Techirghiol -120 de ani de balneologie românească. Tradiție și modernism", Techirghiol, Romania, 2019-09-27
22.	Schimbari climatice, mediul urban	S. Cheval	Scoala de Vara de Stiinta si Tehnologie de la Magurele, Magurele, Romania, 2019-08-26
23.	Vremea intre normal si extrem. Cum raportam normalul astazi si cum definim extremele?	S. Andrei	Scoala de Vara de Stiinta si Tehnologie de la Magurele, Magurele, Romania, 2019-08-30
24.	MARS, a new state-of-the-art facility for atmospheric and environmental researches	S. Andrei,	Scientific Research and Education in the Air Force, Brasov, Romania, 2019-05-31
25.	Care dintre scenariile Representative Concentration Pathways - RCP8.5 - high GHG emissions (pesimist) și - RCP2.6 - stringent mitigation scenario (optimist) privind schimbarile climatice considerati ca este cel mai probabil sa se produca, în ce ipoteze și cu ce consecinte?	D. Nicolae,	Scoala Altfel, Magurele, Romania, 2019-11-01
26.	DIVA: Demonstration of an Integrated approach for the Validation and exploitation of Atmospheric missions	Fuertes, D., Nicolae, D., Dubovik, O., Torres, B., Goloub, P., Lopatin, A., Binietoglou, I., Belegante, L., Ene, D., Cede, A. and Kreuter, A.	AGU Fall Meeting 2019, San Francisco, Statele Unite ale Americii, 2019-12-09
27.	Detecting dust particle orientation with a novel polarization lidar	Tsekeri, A., Freudenthaler, V., Gasteiger, J., Doxastakis, G., Binietoglou, I., Georgoussis, G.,	EGU General Assembly 2019, Viena, Austria, 2019-04-08

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		Louridas, A., Ulanowski, J. and Amiridis, V.	
28.	Dust remote sensing advances in the framework of ACTRIS	Amiridis, V., Tsekeri, A., Biniotoglou, I., Marinou, E., Benedetti, A., Goloub, P., Apituley, A., Arboledas, L.A., Jaarvi, L., Myrhe, C.L. and Nicolae, D.	EGU General Assembly 2019, Viena, Austria, 2019-04-08
29.	Optical resonance in As ₂ Se ₃ -Au plasmonic planar waveguides for chemical sensors applications	A.Popescu, D. Savastru, S. Miclos, L. Baschir, M. Stafe, N. Puscas	2nd International Conference on Photonics Research (Interphotonics 2019), Antalya, Turcia, 2019-11-04
30.	Non-conventional contact-less method for measurement of materials thermal diffusivity coefficient	A.Popescu, D. Savastru, S. Miclos, L. Baschir, M. Tautan	20th International Conference of Nonconventional Technologies, ICNcT 2019, Bucuresti, Romania, 2019-10-10
31.	InDust: International network to encourage the use of monitoring and forecasting Dust products	Anca Nemuc	Academia Europaea 31st Annual Conference 'Building Bridges', Barcelona, Spania, 2019-10-10
32.	Intercomparison of aerosol absorption photometers in one intercomparison workshop	A. Cuesta, G. Mocnik, L. Drinovec, S. Pfeifer, T. Müller, B. Briel, P. Buckley, V. Dudoitis, J. Fernández, M. Fernández-Amado, J.F. De Brito, H. Flentje, E. Heffernan, L. Marmureanu, N. Kalivitis, A.C. Kalogridis, H. Keernik, K. Luoma, A. Marinoni, M. Pikridas, G. Schauer, N. Serfozo, H. Servomaa, G. Titos, J. Yus, N. Ziola, A. Wiedensohler,	12th International Conference on Carbonaceous Particles in the Atmosphere, Viena, Austria, 2019-04-08
33.	Multiannual seasonal analysis of submicron aerosol variability and organic fraction sources at Magurele site	J. Vasilescu, L. Marmureanu, C. Marin, A. Dandocsi,	European Aerosol Conference 2019, Goteborg, Suedia, 2019-08-29
34.	Overview of the ACMCC particulate organonitrates (pON) intercomparison	A. Albinet, J.E. Petit, A. Lambe, A. Kalogridis, L. Heikkinen, F. Graeffe, M. Cirtog, A. Féron, J. Allan, Z. Bibi, T. Amodeo, N. Karoski, C. Marin, L. Marmureanu, R. Aujay-Plouzeau, L. Meunier, C. Noblet, F. Lestremau, J.L. Besombes, V. Gros, N. Bonnaire,	European Aerosol Conference 2019, Goteborg, Suedia, 2019-08-29

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		R. Sarda-Estève, F. Truong, M. Ehn, T. Jokinen, M. Aurela, M. Maasikmets, A. Eriksson, E. Ahlberg, E. Freney, M.C. Minguillon, P. Croteau, J. Jayne, L. Williams, O. Favez,	
35.	Source Apportionment of Carbonaceous Aerosols based on High-Time Resolution Instrumentation	M.C. Minguillon, A.S.H. Prevot, V. Riffault, O. Favez, S. Gilardoni, G. Mocnik, S. Platt, D. Green, J. Ovadnevaite, A. Kasper-Giebl, A. Alastuey, L. Marmureanu, A. Eriksson, D. Sokolovic	European Aerosol Conference 2019, Goteborg, Suedia, 2019-08-29
36.	Development of aerosol lidar calibration capabilities in ACTRIS	D. Nicolae, L. Belegante, V. Nicolae, V. Freudenthaler, L. Mona, A. Amodeo,	EGU General Assembly 2019, Viena, Austria, 2019-04-08
37.	High-Speed Photon Counting System for Airborne HSRL Applications	V. Nicolae, B. Brüggmann, M. Boldeanu, H. Linne, I. Serikov, S Stefan,	EGU General Assembly 2019, Viena, Austria, 2019-04-08
38.	Estimation of particulate matter concentration using SEVIRI and model data	M. Boldeanu, A. Nemuc, D. Nicolae, V. Nicolae, N. Ajtai, H. Stefanie, A. Diamandi, R. Dumitrache, I. Stachlewska, O. Zawadzka, K. Stebel, C. Zehner,	EGU General Assembly 2019, Viena, Austria, 2019-04-09
39.	Improvement of antifungal and antibacterial properties of hydroxyapatite coatings by the Ag addition	A.Vladescu, L.R.Constantin, C.M.Cotrut, M.Dinu	TERMIS EU, Rhodes, Grecia, 2019-05-27
40.	Usage of polarization lidar systems in the study of aerosol–cloud interactions	C. Talianu, S. Andrei,	EGU General Assembly 2019, Viena, Austria, 2019-04-08
41.	SAMIRA - Satellite based Monitoring Initiative for Regional Air quality	K. Stebel, P. Schneider, N. Ajtai, H. Stefanie, C. Botezan, A. Diamandi, R. Dumitrache, J. Horalek, J. Doubalova, R. Juras, A. Nemuc, D. Nicolae, V. Nicolae, M. Boldeanu, N. Benesova, O. Vlcek, I. Stachlewska, O. Zawadzka, P. Novotny, L. Vanek, C. Zehner,	ESA Living Planet, Milano, Italia, 2019-05-15
42.	Can We Use Two Lidar Instruments to Improve the Accuracy of the Depolarization Products	R. Pirloaga, V. Nicolae, L. Belegante, D. Ene, A. Nemuc, D. Nicolae,	29th International Laser Radar Conference (ILRC29), Hefei, China, 2019-06-20
43.	Aerosol Field Influence on the Retrieval of the Ozone	A. Dandocsi, A. Nemuc, D. Nicolae, L. Belegante, A. Cede, M.	29th International Laser Radar Conference (ILRC29), Hefei,

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	Vertical Column Densities from Pandora 2S Measurements	Tiefengraber,	China, 2019-06-20
44.	Biomass Burning Measurements in EARLINET	M. Adam, D. Nicolae, L. Belegante, I.S. Stachlewska, D. Szczepanik, M. Mylonaki, C.A. Papanikolaou, N. Siomos, K.A. Voudouri, A. Apituley, L. Alados-Arboledas, J.A. Bravo-Aranda, A. Pietruczuk, B. Antonescu, A. Chaikovski, M. Sicard, C. Muñoz-Porcar, I. Mattis, N. Papagiannopoulos, L. Mona, H. Baars, U. Wandinger, D. Bortoli, I. Grigorov, Z. Peshev,	29th International Laser Radar Conference (ILRC29), Hefei, China, 2019-06-20
45.	Automatic Alert System for Tropospheric Particulate Pollution Monitoring	M. Adam, K. Fragkos, I. Biniotoglou,	29th International Laser Radar Conference (ILRC29), Hefei, China, 2019-06-20
46.	ACTRIS and its Aerosol Remote Sensing Component	U. Wandinger, D. Nicolae, G. Pappalardo, L. Mona, A. Comerón,	29th International Laser Radar Conference (ILRC29), Hefei, China, 2019-06-20
47.	Polarization Lidar for Detecting Dust Orientation	A. Tsekeri, V. Freudenthaler, G. Doxastakis, J. Gasteiger, A. Louridas, G. Georgoussis, I. Biniotoglou, T. Georgiou, J. Ullanowski, V. Amiridis,	29th International Laser Radar Conference (ILRC29), Hefei, China, 2019-06-20
48.	Detection of water molecules infiltration in composite materials polymer matrix using a self-interference long period fiber sensor	S. Miclos, L. Baschir, D. Savastru, R. Savastru, I. Lancranjan	International Conference on Design and Technologies for Polymeric and Composites Products, POLCOM 2019, Bucuresti, Romania, 2019-10-10
49.	Composite material cracks detection using a self-interference long period grating fiber sensor	D. Savastru, L. Baschir, S. Miclos, R. Savastru, I. Lancranjan,	International Conference on Design and Technologies for Polymeric and Composites Products, POLCOM 2019, Bucuresti, Romania, 2019-10-10
50.	Synergetic Observations by Terrestrial and Space Lidar Systems and Aeronet Sun-Radiometers: A Step to Advanced Regional Monitoring of Large Scale Aerosol Changes	A. Chaikovsky, A. Bril, O. Dubovik, A. Fedarenka, P. Goloub, Q. Hu, A. Lopatin, T. Lapyonok, N. Miatselskaya, B. Torres, D. Fuertes, L. Belegante, D. Nicolae, D. Ene, V. Peshcharankou, T. Podvin, I. Popovici, D. Liu, Z. Li, O. Soupiona, M. Mylonaki, L. Mona, A. Giunta, N. Papagiannopoulos,	29th International Laser Radar Conference (ILRC29), hefei, China, 2019-06-20

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		M.R. Perrone, S. Romano, D. Balis, N. Siomos, K.A. Voudouri, N. Ajtai, H. Stefanie, V. Amiridis, A. Tsekeri, D. Bortoli, M.J. Costa, I. Mattis, F. Rocadenbosch, A. Rodríguez-Gomez, M. Sicard, A.J. Fernandez, F. Molero, D. Althausen, H. Baars, J.L. Guerrero Rascado, P. Ortiz-Amezcu, J.A. Benavent Oltra, A.E. Bedoya-Velásquez, R. Román, L. Alados-Arboledas, Y. Balin, G. Kokhanenko, I. Penner, B. Chen, L. Sverdlik, G. Milinevsky, N. Sugimoto, A. Shimizu, T. Nishizawa, R. Kudo, I. Sano, T.J. Yasunari, H. Irie, T. Takemura, S.W. Kim, N.X. Anh, P.X. Thanh, A. Pietruczuk, I.S. Stachlewska, A. Sannino, X. Wang, A. Boselli,	
51.	The ESA-EVE Polarization Lidar for Assessing the Aeolus Aerosol Product Perfomance	P. Paschou, E. Proestakis, A. Tsekeri, N. Siomos, A. Gkikas, A. Gialitaki, E. Marinou, I. Binietoglou, C. Meleti, V. Freudenthaler, G. Georgoussis, G. Doxastakis, A. Louridas, J. Von Bismarck, V. Amiridis,	29th International Laser Radar Conference (ILRC29), Hefei, China, 2019-06-20
52.	Assessing the Long Term Stability of the Depolarization Constant for the Cluj Station	H. Stefanie, N. Ajtai, A. Radovici, D. Ene, L. Belegante,	29th International Laser Radar Conference (ILRC29), Hefei, China, 2019-06-20
53.	An Evaluation of Atmospheric Stability Indices from Microwave Radiometer	F. Toanca, B. Antonescu, S. Andrei, D. Ene, L. Belegante, M. Boldeanu, A. Dandocsi,	11th International Symposium on Tropospheric Profiling (ISTP), Toulouse, Franta, 2019-05-22
54.	Nonlinear optical surface plasmon resonance in amorphous arsenic sulfide films	A. Popescu , M. Stafe , D. Savastru, L. Baschir, N. Puscas	International Conference on Design and Technologies for Polymeric and Composites Products, POLCOM 2019, Bucuresti, Romania, 2019-10-10
55.	Surface plasmon resonance chemical sensors based on amorphous chalcodenide waveguides	L. Baschir , A. Popescu ,D. Savastru , S. Miclos	International Conference on Design and Technologies for Polymeric and Composites Products, POLCOM 2019, Bucuresti, Romania, 2019-10-10
56.	Spectroscopic ellipsometry studies of	L. Baschir, A.M.Iordache, D. Savastru, A. A. Popescu, I. C.	8th International Conference on Spectroscopic Ellipsometry,

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	graphene doped binary TiO ₂ -P ₂ O ₅ nanocomposite for photocatalytic appl7. Spectroscopic ellipsometry studies of graphene doped binary TiO ₂ -P ₂ O ₅ nanocomposite for photocatalytic application	Vasiliu, M. Elisa, C. Obreja, M. Filipescu, R. Trusca, M. Stchakovsky	Barcelona, Spania, 2019-05-26
57.	Surface plasmon resonance using As ₂ S ₃ film for water salinity	L. Baschir, S. Miclos, D. Savastru, A. Popescu	9th International Conference on Amorphous and Nanostructured Chalcogenides, Chisinau, Moldova, 2019-06-30
58.	Preliminary study of temporal evolution of micro- and nano-plastics in urban lake waters	C.L. Popa, E.M. Carstea, I.S. Dontu	Environment at Crossroads: SMART approaches for a sustainable future – ECOSMART, Bucuresti, Romania, 2019-09-05
59.	Preliminary study on monitoring micro- and nano-plastics in urban rivers using fluorescence monitoring	I.S. Dontu, E.M. Carstea, C.L. Popa, D. Savastru	Environment at Crossroads: SMART approaches for a sustainable future – ECOSMART, Bucuresti, Romania, 2019-09-05
60.	Self-purification process in urban lakes	C.L. Popa, I.S. Dontu, E.M. Carstea, D. Savastru, D. Tenciu, E. Levei, C. Ioja, A.M. Popa, M. Miclean, O. Cadar, A. Hoaghia	10th International Conference on Environmental Engineering and Management (ICEEM), Iasi, Romania, 2019-09-18
61.	Preliminary study of micro- and nano-plastics behavior in drinking and waste water	I.S. Dontu, C.L. Popa, E.M. Carstea, D. Savastru, D. Tenciu	10th International Conference on Environmental Engineering and Management (ICEEM), Iasi, Romania, 2019-09-18
62.	Evaluation of micro- and nano-plastics from tap water	C.L. Popa, S.I. Dontu, E.M. Carstea, D. Tenciu	International Workshop on Sustainable Water Ecosystems Management SWEM, Bucuresti, Romania, 2019-04-05
63.	Fluorescence and microscopy measurements of micro- and nano-particles in drinking water	S.I. Dontu, C.L. Popa, E.M. Carstea, D. Savastru	International Workshop on Sustainable Water Ecosystems Management SWEM, Bucuresti, Romania, 2019-04-05
64.	Simulation/design and development of a long period grating fiber sensor device for pathogen bacteria detection	D. Savastru, S. Miclos, R. Savastru, C. Popa, I. Lancranjan	2nd International Conference on Photonics Research (Interphotonics 2019), Antalya, Turcia, 2019-11-04

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65.	Simulation of ps laser pulses induced absorption phenomena in materials	D. Savastru, S. Miclos, R. Savastru, I. Lancranjan	The 20th International Conference of Nonconventional Technologies, ICNcT 2019, Bucuresti, Romania, 2019-10-10
66.	Detection of impurities using a SILPG embedded into graphene reinforced composites	S. Miclos, D. Savastru, R. Savastru, I. Lancranjan	5th International Conference on Mechanics of Composites, Lisabona, Portugalia, 2019-07-20
67.	Simulation and design of a temperature detector based on a SILPG structure embedded into polymer matrix of a smart composite polymer material	D. Savastru, S. Miclos, R. Savastru, I. Lancranjan	5th International Conference on Mechanics of Composites, Lisabona, Portugalia, 2019-07-20
68.	Geospatial information for assessment of climate change impact on forest phenology	Dan M. Savastru; Maria A. Zoran; Roxana S. Savastru	Seventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2019), Paphos, Cipru, 2019-03-18
69.	EMEP/ACTRIS/COLOSSAL campaign preliminary results in Romania	C. Marin, L. Marmureanu, B. Antonescu, A. Dandocsi, C. Radu, S. Andrei, C. Stan,	COLOSSAL WG1, WG2, WG3 and MC meetings, Riga, Letonia, 2019-10-10
70.	GeSnSiO ₂ layers with embedded GeSn nanocrystals for sensing in SWIR	A Slav,C Palade,C.Logofatu,IDAScalescu,A. M. Lepadatu I. Stavarache S. Iftimie V. Braic S. Antohe S. Lazanu v.S. Teodorescu D. Buca M.L. Ciurea T. Stoica M. Braic	E-MRS Spring Meeting, Nice, Franta, 2019-05-26
71.	Cr–N and Cr(N,O) Coatings for Enhancement of the Corrosion Resistance of 304 Stainless Steel	M Dinu E.S. Massima Mouele A.C. Parau A. Vladescu L.F. Petrik M. Braic	E-MRS Spring Meeting, Nice, Franta, 2019-05-27
72.	Preliminary results of ground - based column greenhouse gases retrieval using FTIR spectroscopy, influence of the temperature profiles	A. Dandocsi	Topical Workshop on „Coal Mine Methane” (CMM) measurements during CoMet, Zakopane, Polonia, 2019-01-15
73.	Investigation of satellite thermal IR and atmospheric radon anomalies recorded for some moderate earthquakes in Vrancea geotectonic active area	Maria A. Zoran; Roxana S. Savastru; Dan M. Savastru	Seventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2019), Paphos, Cipru, 2019-03-18

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74.	Functionally graded multilayers for enhanced adhesion of dental ceramic on metallic substrates	M. Dinu A. Vladescu V. Braic I Pana L. Constantin C.M. Cotrut	E-MRS Spring Meeting, Nice, Franta, 2019-05-28
75.	HiPIMS deposition of YAIN thin films	N.C Zoita C Vitelaru A. Kiss M. Dinu A Parau I Pana M. Braic	E-MRS Spring Meeting, Nice, Franta, 2019-05-27
76.	Copper-Carbon coatings deposited by HiPIMS as electrical conductive coatings for satellite antenna application	V Braic I. Pana C. Vitelaru D Mihai CN Zoita R Mihalache O Muresan H.A. Schubert M. Braic A.E. Kiss	E-MRS Spring Meeting, Nice, Franta, 2019-05-27
77.	Theories on tornado and waterspout formation in ancient Greece and Rome	B. Antonescu, D.M. Schultz, H.M. Ricketts, D. Ene,	European Conference on Severe Storms, Cracovia, Polonia, 2019-11-07
78.	Biomass burning emissions-multiannual statistics in Romania	C. Marin, L. Marmureanu, S. Andrei, B. Antonescu, M. Boldeanu, J. Vasilescu, A. Dandocsi,	COLOSSAL WG1, WG2, WG3 and MC meetings, Riga, Letonia, 2019-10-15
79.	A Major Saharan Dust Intrusion Over Romania	C. Marin, L. Marmureanu, S. Andrei, B. Antonescu, D. Ene, M. Boldeanu, J. Vasilescu, C. Vitelaru, O.I. Cadar, E. Levei,	Webiopatr Workshop & Conference, Belgrad, Serbia, 2019-10-02
80.	Simultaneous removal of iron and manganese onto an activated natural zeolite	A. I. Torok, E. Neag, C. Tanaselia, M. Senila, D. Bolos, I. Aschilean	10th International Conference on Environmental Engineering and Management (ICEEM) , Iasi, Romania, 2019-09-19
81.	Recovery of gold and silver from mining tails by ammonium thiosulphate leaching	E.A. Levei, C.Varaticeanu, E. Neag, M. Bizo, M. Ghita, F. Bodenan	2nd International Conference on Emerging Technologies in Materials Engineering EmergeMAT, Bucuresti, Romania, 2019-11-06
82.	The bioenergy sector efficiency in the global demand context	E. Kovacs, L. Senila, D. A. Scurtu, C. Roman, D. E Dumitras	12th International Conference on Processes in Isotopes and Molecules (PIM) , Cluj-Napoca, Romania, 2019-09-26
83.	Green methods for the extraction of carbohydrates compounds from vine shoot waste	E. Kovacs, D. A. Scurtu, L. Senila, O. Cadar, D. E. Dumitras, C. Roman	12th International Conference on Processes in Isotopes and Molecules (PIM) , Cluj-Napoca, Romania, 2019-09-26
84.	Sustainable circular economy processes in bioenergy ecosystems: A conceptual framework	E. Kovacs, C. Roman, D. E. Dumitras	18th International Conference Life Sciences for Sustainable Development, Cluj-Napoca, Romania, 2019-09-26
85.	Water quality assessment of Aries River catchment	A. Moldovan, O. Cadar, M.A. Hoaghia, I. Torok, M. Roman, V.	10th International Conference on Environmental Engineering and

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		Babalau-Fuss, G. Hognogi, V. Micle	Management (ICEEM), Iasi, Romania, 2019-09-19
86.	Biomonitoring air quality in urban agglomerations using poplar leaves	L. Levei, V. Babalau-Fuss, O. Cadar, A. Ozunu	10th International Conference on Environmental Engineering and Management (ICEEM), Iasi, Romania, 2019-09-19
87.	Antioxidant capacity of fresh Prunus Spinosa and Rosa Canina fruits and leaves	V. Babalau Fuss, A. Becze, A. Moldovan, Z. Dincă, O. B. Grebla, D. Scurtu, M. Roman, M. Tofana	10th International Conference on Environmental Engineering and Management (ICEEM), Iasi, Romania, 2019-09-19
88.	Study on the correlation of pah's content in soil and air with the concentration of pah's in leaves and flowers	V. Babalau Fuss, M. Roman, A. Moldovan, A. Becze, M. Tofana	12th International Conference on Processes in Isotopes and Molecules (PIM), Cluj-Napoca, Romania, 2019-09-26
89.	Filtering module for well water	M. Roman, E. Neag, A.I. Torok, M. Senila, V. Babalau-Fuss, A. Moldovan, F. Puskas	10th International Conference on Environmental Engineering and Management (ICEEM), Iasi, Romania, 2019-09-20
90.	Zeolites absorption of aflatoxins from feed	A. Becze, D. Simedru, D. Bolos	10th International Conference on Environmental Engineering and Management (ICEEM), Iasi, Romania, 2019-09-19
91.	Revitalisation of pesticide-polluted agricultural soil functions by microbiom transplantation	E. D. Kovacs, T. Rusu, W.L. Szajdak, D. Tian, C. Roman, M. H. Kovacs	10th International Conference on Environmental Engineering and Management (ICEEM), Iasi, Romania, 2019-09-20
92.	Quality assessment of Valea Șesii stream near a copper mine tailing pond	A. Moldovan, M. A. Hoaghia, V. Babalau-Fuss, M. Roman, G. Hognogi, V. Micle	12th International Conference on Processes in Isotopes and Molecules (PIM), Cluj-Napoca, Romania, 2019-09-25
93.	Biomonitoring Of Atmospheric Metal Pollution Using Northern White-Cedar (Thuja Occidentalis) Leaves	L. Levei, O. Cadar, E. Kovacs, I. Torok, A. Ozunu	12th International Conference on Processes in Isotopes and Molecules (PIM), Cluj-Napoca, Romania, 2019-09-25
94.	Hazardous pollutants generated by 1997 1998 generation of printed circuit boards	D. Simedru, A. Moldovan, V. Babalau Fuss, A. Hoaghia, O. Cadar, A. Torok, E. Levei, M. Kovacs, O. Todor-Boer	12th International Conference on Processes in Isotopes and Molecules (PIM), Cluj-Napoca, Romania, 2019-09-25
95.	Thermal treatments of natural zeolite for enhancing their ammonium ions removal capacity from water	D. Simedru, A. Moldovan, V. Babalau Fuss, O. Cadar, B. Angyus, G. Chioreanu	12th International Conference on Processes in Isotopes and Molecules (PIM), Cluj-Napoca, Romania, 2019-09-26
96.	Simultaneous GC-MS	D. Kovacs, L. Silaghi-Dumitrescu,	12th International Conference on

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	analysis of pharmaceutical active components from environmental and biota samples: uptake potentials determination from common vegetables	C. Roman, M. H. Kovacs	Processes in Isotopes and Molecules (PIM) , Cluj-Napoca, Romania, 2019-09-25
97.	Method Validation for Determining Platinum and Palladium in Catalysts using Inductively Coupled Plasma Optical Emission Spectrometry	M. Senila, O. Cadar, T. Jänisch, P. Lacroix-Desmazes	International Conference on Analytical Chemistry and Applied Spectroscopy (ICACAS) , Venetia, Italia, 2019-06-21
98.	SUPERMET project : Recovery of Precious Metals from Spent Catalysts by Supercritical CO2 Extraction Assisted by Polymers	P. Lacroix-Desmazes, A. Ruiu, K. Seaudeau-Pirouley, M. Senila, T. Jänisch, B. Bauer-Siebenlist	International Symposium on Green Chemistry (ISGC) , La Rochelle , Franta, 2019-05-13
99.	SUPERMET project: recovery of precious metals from spent catalysts by supercritical CO2 extraction assisted by polymers	A. Ruiu, K. Seaudeau-Pirouley, M. Senila, T. Jänisch, B. Bauer-Siebenlist, P. Lacroix-Desmazes	European Polymer Federation Congress (EPF) , Hersonissos, Creta , Grecia, 2019-06-09
100.	SUPERMET project: supramolecular assembly for the recovery of precious metals from spent catalysts by supercritical CO2 extraction	P. Lacroix-Desmazes, A. Ruiu, K. Seaudeau-Pirouley, M. Senila, T. Jänisch, B. Bauer-Siebenlist	International Polymer Colloid Group Conference (IPCG) , Sentosa Island, Singapore, 2019-06-23
101.	Genetically modified organisms - unsolved problem	O. Todor-Boer	Further Steps in Agriculture - Current issues and future opportunities for agriculture and the food industry, University of Nyíregyháza, Nyíregyháza, Ungaria, 2019-11-12
102.	Enhancing the Photoluminescence Quenching in Donor-acceptor PCE11:PPCBMB Films Through Optimization of the Film Microstructure	O. Todor-Boer, I. Petrovai, R. Tarcan, A. Vulpoi, L. David, S. Astilean, I. Botiz	Interfaces in Organic and Hybrid Thin-Film Optoelectronics , Valencia, Spania, 2019-03-05
103.	Evaluation of mineral processing techniques to	J. Bodin, N. Menad, F. Bodénan, E. Levei, M. Bizo, M. Ghita	Mines of the Future (AIMS), Aachen, Germania, 2019-06-13

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	concentrate metals (Pb, Zn, Cu, Au) in mining residues at Baia Mare, Romania		
104.	Thermal behavior of Ni-Zn ferrite nanoparticles embeded in silica and pva matrix	T. Dippong, O. Cadar, E. A. Levei, F. Goga	2nd Journal of Thermal Analysis and Calorimetry Conference, Budapest, Ungaria, 2019-06-19
105.	Investigation of structural, optical and magnetic properties of $NixZn_{1-x}Fe_2O_4$ ($0 \leq x \leq 1$) spinel based nanopigments	T. Dippong, E.A. Levei, O. Cadar, I. G. Deac, F. Goga, G. Borodi	5th Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC5) & 14th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta) , Roma, Italia, 2019-08-28
106.	Evaluarea continutului metalelor grele on produse vegetale autohtone	T. Stratulat, O. Cadar, A. Popa, A. Gușan, A. Hoaghia	Simpozionul Stiintific International „Biotehnologii avansate – realizari si perspective” (editia a V-a), Chisinau, Moldova, 2019-10-21
107.	Content of chlorpirifos in local crops sampled in some districts of the Republic of Moldova	T. Stratulat, O. Cadar , A. Popa, A. Gușan, A. Hoaghia	Simpozionul Stiintific International „Biotehnologii avansate – realizari si perspective” (editia a V-a), Chisinau, Moldova, 2019-10-21
108.	Chemical characterization of red coji berry (Lycium Barbarum L.) cultivated in Republic of North Macedonia	B. Balabanova, V. Ivanova-Petropulos, M. Senila, O. Cadar, A. Becze, F. D. Irimie, M. Ponta, A.C. Mot, E. Covaci, T. Frentiu	19th International Symposium and Summer School on Bioanalysis, Suior, Romania, 2019-07-08
109.	Valorificarea deseurilor provenite din industria viticola ca resursa energetica	E. Kovacs, D. A. Scurtu, L. Senila, A. Becze, D. E. Dumitras, C. Roman	Sesiunea Anuala de Comunicari Stiintifice, ICDVV, Valea Calugareasca, Romania, 2019-06-26
110.	Determinarea mercurului din probe alimentare si de mediu utilizand un microspectrometru de emisie atomica in microplasma cuplata capacitiv si vaporizare electrotermica	S. B. Angyus, T. Frentiu	Conferinta Nationala a Scolilor Doctorale, editia a II-a, Timisoara, Romania, 2019-11-12
111.	Information on severe storms in newspapers from the 19th century	S. Cheval, A. Haliuc, B. Antonescu, A. Tiscovschi, A. Dumitrescu, M. Dobre, F. Tatui, A. Dumitrescu, A.	European Conference on Severe Storms, Cracovia, Polonia, 2019-11-09

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		Manea, G. Tudorache, A. Irimescu, M.V. Birsan,	
112.	Sentinel 5-Precursor cal/val activities near Bucharest, Romania	A. Dandocsi, A. Nemuc, D. Ene, D. Nicolae, A. Calcan, D. Schuetttemeyer,	Copernicus Sentinel-5 Precursor Validation Team Workshop, Frascati, Italia, 2019-11-12
113.	First winter campaign in Romania	L. Marmureanu,	WASTE si ADOPT: kick-off meeting, Bruxelles, Belgia, 2019-12-20
114.	Design and development of the A-Lidar	V. Nicolae, L. Belegante, V. Freudenthaler, G. Georgoussis,	ACTRIS Remote Sensing workshop, Roma, Italia, 2019-11-20
115.	Cloud remote sensing observations in Romania - a contribution to FRM4RADAR	B. Antonescu	ACTRIS Remote Sensing workshop, Roma, Italia, 2019-11-20
116.	Sulfate aerosol - remote sensing and transport modelling	C. Talianu, P. Seibert	ACTRIS Remote Sensing workshop, Roma, Italia, 2019-11-20
117.	ACTRIS aerosol profiles for CAMS	D. Nicolae, L. Mona, G. D'Amico, et all,	CAMS user workshop, Bucuresti, Romania, 2019-11-27
118.	Use of lidar data to identify predominant aerosol types in Europe during 2008-2018	V. Nicolae, S. Stefan, D. Nicolae, J. Vasilescu, B. Antonescu, S. Andrei, D. Ene,	Sesiunea Stiintifica Anuala a Facultatii de Fizica, Magurele, Romania, 2019-06-21
119.	The weather in Romania in asociation with Shapiro-Keyser Mediterranean extratropical cyclones	M. Brancus, B. Antonescu, S. Stefan,	Sesiunea Stiintifica Anuala a Facultatii de Fizica, Magurele, Romania, 2019-06-22
120.	Overview of the ACMCC particulate organonitrates (pON) experiment	A. Albinet, J.E. Petit, A. Lambe, A. Kalogridis, L. Heikkinen, F. Graeffe, M. Cirtog, A. Feron, J. Allan, Z. Bibi, T. Amodeo, N. Karoski, C. Marin, L. Marmureanu, R. Aujay-Plouzeau, L. Meunier, C. Noblet, F. Lestremiau, J.L. Besombes, V. Gros, N. Bonnaire, R. Sarda-Estève, F. Truong, M. Ehn, T. Jokinen, M. Aurela, M. Maasikmets, A. Eriksson, E. Ahlberg, E. Freney, M.C. Minguillon, P. Croteau, J. Jayne, L. Williams, O. Favez,	AAAR Conference, Oregon, Statele Unite ale Americii, 2019-10-15
121.	Intercomparison of AMS/ACSM fragmentation patterns for particulate organonitrates (pON)	A. Kalogridis, J.E. Petit, A. Albinet, A. Lambe, L. Heikkinen, F. Graeffe, M. Cirtog, A. Feron, J. Allan, Z. Bibi, T. Amodeo, N. Karoski, C.	AAAR Conference, Oregon, Statele Unite ale Americii, 2019-10-15

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		Marin, L. Marmureanu, R. R.Aujay-Plouzeau, L. Meunier, V. Gros, N. Bonnaire, R. Sarda-Estève, F. Truong, M. Ehn, T. Jokinen, M. Aurela, M. Maasikmets, A. Eriksson, E. Ahlberg, E. Freney, M. Minguillon, M. Gini, K. Eleftheriadis, P. Croteau, J. Jayne, L. Williams, O. Favez,	
122.	One year seasonal chemical composition of submicron aerosols near Bucharest	J. Vasilescu, C. Marin, L. Marmureanu,	COLOSSAL WG1, WG2, WG3 and MC meetings, Riga, Letonia, 2019-10-15
123.	Preliminary results of winter intensive campaign ACTRIS-COLOSSAL in Romania	L. Marmureanu, C. Marin, B. Antonescu, J. Vasilescu,	COLOSSAL WG1, WG2, WG3 and MC meetings, Riga, Letonia, 2019-10-15
124.	Optimization of the High Spectral Resolution Lidar (HSRL) system for airborne operation	R. Pirloaga, L. Belegante, D. Ene, C. Radu, D. Nicolae, A. Radu,	The 38th "Caius Iacob" Conference on Fluid Mechanics and its Technical Applications, Bucuresti, Romania, 2019-11-08
125.	Preliminary calibration and validation activities for the Aeolus L2A products in Romania	N. Ajtai, L. Belegante, H. Stefanie, A. Mereuta, A. Radovici, C. Botezan,	The 38th "Caius Iacob" Conference on Fluid Mechanics and its Technical Applications, Bucuresti, Romania, 2019-11-08
126.	Orange snow – A Saharan Dust Intrusion over Romania During Winter Conditions	L. Marmureanu	Seminar Stiintific INOE, Magurele, Romania, 2019-11-10
127.	Masuratori in cadrul campaniilor de calibrare/validare a Agentiei Spatiale Europene	A. Nemuc	Seminar Stiintific INOE, Magurele, Romania, 2019-02-15
128.	Development of an altimeter engineering model for ESA space missions	L. Belegante	Seminar Stiintific INOE, Magurele, Romania, 2019-09-15
129.	PollyXT lidar derived optical and microphysical properties of allergenic pollen at EARLINET-ACTRIS site in Warsaw	I.S. Stachlewska, L. Janicka, D. Szczepanik, K. Misiura, E. Tetoni, K. Kulesza, W. Kumala, D. Althausen, H. Baars, V. Amiridis, C. Bockmann, M. Boldeanu, L. Marmureanu, A. Nemuc, A. Lipiec, P. Rapiejko, D. Wang and O.	ACTRIS Remote Sensing workshop, Roma, Italia, 2019-11-21

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		Zawadzka,	
130.	Sol-gel preparation of nanocarbon – glass materials	Bogdan Alexandru Sava, Lucica Boroica, Cristina Ileana Vasiliu, Ana Violeta Filip, Alexandra Maria Isabel Trefilov, Andreea Matei, Mihail Elisa	XX International Sol-Gel Conference, 20-30.08.2019, Sankt Petersburg, Rusia, Sankt Petersburg, Rusia, 2019-08-27
131.	Assessment of SEVIRI AOD using Polly XT lidar observations	Zawadzka, O., Stachlewska, I.S., Szczepanik, D., K.M. Markowicz, K.M., Janicka, L., Kumala, W., Nemuc, A., Boldeanu, M., Stebel, K., Zehner, C.	Final ACTRIS-2 Science Meeting, Darmstadt, Germania, 2019-04-30
132.	Investigation, intervention, inspection by optoelectronic means	R. Rădvan	Jornada d'Investigacio a proposit de la restauracio de La Porta dels Apostols de l'Esglesia de Santa Maria la Major de Morella: estudis previs i intervencio, Morella, Spania, 2019-03-08
133.	Complementary non-destructive techniques for investigation and documentation of the Archpriest Basilica of Santa Maria la Major from Morella	L. Ratoiu, R. Rădvan, A. Chelmuş, I.M. Cortea, L. Ghervase, L. Angheluță, C. Angheluță-Constantin	Jornada d'Investigacio a proposit de la restauracio de La Porta dels Apostols de l'Esglesia de Santa Maria la Major de Morella: estudis previs i intervencio, Morella, Spania, 2019-03-08
134.	Practices modernization in monuments conservation by implementing the results of cultural heritage science. Case study	R. Rădvan, A. Chelmuş, L. Angheluță, I.M. Cortea, L. Ratoiu	4th International Congress Science and Technology for the Conservation of Cultural Heritage (TechnoHeritage 2019), Sevilla, Spania, 2019-03-27
135.	Non-destructive techniques applied to the study of Maqsura at Cordoba Cathedral (Spain)	A. Gomez-Moron, P. Ortiz, R. Ortiz, J. Becerra, R. Gomez-Cañada, R. Rădvan, A. Chelmuş, L. Ratoiu, L. Ghervase, I.M. Cortea, C. Constantin, L. Angheluță	4th International Congress Science and Technology for the Conservation of Cultural Heritage (TechnoHeritage 2019), Sevilla, Spania, 2019-03-27
136.	Non-destructive techniques applied to the study and diagnosis of ceramic and glazed terracotta works in Omnium Sanctorum church (Seville, Spain)	A. Tirado-Hernández, A. Gomez-Moron, J. Becerra, L. Ghervase, I.M. Cortea, L. Angheluță, R. Rădvan, R. Ortiz, P. Ortiz	4th International Congress Science and Technology for the Conservation of Cultural Heritage (TechnoHeritage 2019), Sevilla, Spania, 2019-03-27
137.	Interlaboratory experience to evaluate the vulnerability of Monuments	A.Tirado-Hernández, R. Ortiz, P. Ortiz, J. Becerra, R. Rădvan, A. Chelmuş, L. Ratoiu	4th International Congress Science and Technology for the Conservation of Cultural Heritage (TechnoHeritage 2019), Sevilla, Spania, 2019-03-28

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138.	In situ study by XRF and LDV of mural paintings in Magdalena church (Seville, Spain)	A. Tirado-Hernández, A. Gomez-Moron, J. Becerra, L. Ghervase, I.M. Cortea, R. Rădvan, R. Ortiz, P. Ortiz	4th International Congress Science and Technology for the Conservation of Cultural Heritage (TechnoHeritage 2019), Sevilla, Spania, 2019-03-28
139.	In search for the original painting: a multidisciplinary approach	I. Huică, D. Mohanu, R. Rădvan, I.M. Cortea, L. Ratoiu, L. Ghervase	TechnArt: Non-Destructive and Microanalytical Techniques in Art and Cultural Heritage, Bruges, Belgia, 2019-05-08
140.	Investigation, documentation and long-term monitoring of 16th century mural paintings	M. Dumbrăvician, R. Rădvan, A. Chelmuș, L. Ratoiu, L. Angheluță, I.M. Cortea	TechnArt: Non-Destructive and Microanalytical Techniques in Art and Cultural Heritage, Bruges, Belgia, 2019-05-09
141.	Challenges in the conservation of two icons on wood	C. Serendan, M. Dumbrăvician, L. Angheluță, A. Chelmuș	TechnArt: Non-Destructive and Microanalytical Techniques in Art and Cultural Heritage, Bruges, Belgia, 2019-05-09
142.	Physical-chemical characterization of electrodeposited printing plates from the early 1840 in Vienna	V.L. Tobisch, I.M. Cortea, L. Ratoiu, R. Rădvan, W. Kautek	TechnArt: Non-Destructive and Microanalytical Techniques in Art and Cultural Heritage, Bruges, Belgia, 2019-05-09
143.	An integrated non-destructive approach for exploring the color palette and painting techniques of Lucas Cranach the Elder	I.M. Cortea, L. Ratoiu, A. Chelmuș, R. Rădvan, I. Sfrijan	Colloquium Spectroscopicum Internationale XLI (CSI XLI), , Mexico City, Mexic, 2019-11-06
144.	Characterization and classification of graffiti spray paints by combined hyperspectral imaging, XRF and FTIR techniques	I.M. Cortea, L. Ratoiu, R. Rădvan	Colloquium Spectroscopicum Internationale XLI (CSI XLI), Mexico City, Mexic, 2019-06-12
145.	Development of advanced compatible materials and techniques and their application for the protection, conservation and restoration of Cultural Heritage assets	M. Dinu, I.M. Cortea, C.H. Rădulescu, G. Roșu, R. Rădvan	Colloquium Spectroscopicum Internationale XLI (CSI XLI), Mexico City, Mexic, 2019-06-12
146.	Laser applications on contemporary polychrome mural paintings	M. Dinu, I.M. Cortea, L.C. Ratoiu, G.R. Dascălu, R. Rădvan	Latin-American Meeting on Laser Induced Breakdown Spectroscopy (LAMLIBS), Mexico City, Mexic, 2019-06-12
147.	Macro photogrammetry for the damage assessment of artwork	L. Angheluță	The 27th International CIPA Symposium, Avila, Spania, 2019-09-02

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	painted surfaces		
148.	Improving GPR data corroboration by generating 3D files from 2D profiles	A. Chelmuș	Developments in eSystems Engineering 2019, Robotics, Sensors and Industry 4.0, Kazan, Rusia, 2019-10-08
149.	Clasificarea și cartografierea vopselelor de tip spray din arta contemporană prin imagistică hiperspectrală	L. Ratoiu, I.M. Cortea, R. Rădvan	Conferința de conservare-restaurare „Doina Darvaș”, ediția a XIII-a (CONScience), Bucuresti, Romania, 2019-11-08
150.	Limite și riscuri ale metodelor de digitizare 3D	L. Angheluță	Sesiunea anuală de comunicări științifice a Institutului Național al Patrimoniului, Bucuresti, Romania, 2019-12-11
151.	Imagistica multi- și hiperspectrală în investigarea patrimoniului cultural	L. Ratoiu	Dezbatere națională asupra patrimoniului construit din mediul rural și a stării de conservare a acestuia, Golesti, Romania, 2019-11-28
152.	Știința Cercetare Cariera	F. Toanca, S. Andrei	Scoala Altfel, Magurele, Romania, 2019-06-06
153.	Temporal Patterns of Surface Ozone Levels in Relation with Radon (Rn-222) and Air Quality	M.C.Penache, M.Zoran	AIP 10TH JUBILEE CONFERENCE OF THE BALKAN PHYSICAL UNION, Sofia, Bulgaria, 2019-08-26
154.	Seasonal Trends of Surface Carbon Monoxide Concentrations in Relation with Air Quality	M.C. Penache,M. Zoran	AIP Conferen 10TH JUBILEE CONFERENCE OF THE BALKAN PHYSICAL UNION, Sofia, Bulgaria, 2019-08-26
155.	Derived Biogeophysical Information from Satellite Imagery for Assessment of Extreme Climate Impacts on Urban Green Environment	M. Zoran, R. Savastru, D.Savastru, A. Dida	AIP Conference 10TH JUBILEE CONFERENCE OF THE BALKAN PHYSICAL UNION, Sofia, Bulgaria, 2019-08-26
156.	Geospatial and in-situ information for assessment of urban climate	M. Zoran, R. Savastru, D. Savastru, M.N.Tautan, L.Baschir	SEVENTH INTERNATIONAL CONFERENCE ON REMOTE SENSING AND GEOINFORMATION OF THE ENVIRONMENT (RSCY2019), Paphos, Cipru, 2019-07-27
157.	Analysis of climate change-urban vegetation land cover interaction through time-series satellite and field data	M. Zoran, R. Savastru, D. Savastru, M.N.Tautan, L. Baschir, A. Dida	Remote Sensing Technologies and Applications in Urban Environments IV, Starsbourg, Franta, 2019-10-02

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158.	Synthesis, electronic polarizability and optical basicity of a novel zinc phospho-tellurite glass	L. Boroica, B. A. Sava, M. Elisa, R. Stefan, I. C. Vasiliu, S. M. Iordache, A. C. Galca, V. Kuncser	The 12th European Congress of Chemical Engineering, ECCE12, Florence, Italy, 15-19.09.2019, Florence, Italia, 2019-09-19
159.	Novel magnetic new sensor based on zinc phospho-tellurite glass for Faraday rotators	M. Elisa, R. C. Stefan, I. C. Vasiliu, S. M. Iordache, A-M. Iordache, B. A. Sava, L. Boroica, A. C. Galca, V. Kuncser	European Congress and Exhibition on Advanced Materials and Processing, EUROMAT 2019, 01-05.09.2019, Stockholm, Suedia, Stockholm, Suedia, 2019-09-07
160.	Fabrication and investigation of some graphene doped zinc phosphate sol-gel films for optoelectronic applications	C. Vasiliu, A-M. Iordache, R. Trusca, M. Elisa, C. Grigorescu, C. Obreja, A. Avram, R. Popa, O. Buiu, L. Boroica, B. A. Sava	European Congress and Exhibition on Advanced Materials and Processing, EUROMAT 2019, 01-05.09.2019, Stockholm, Suedia, Stockholm, Suedia, 2019-09-05
161.	Investigation of titanium phosphate-tellurite glass for Faraday rotators	L. Boroica, B. Sava, M. Elisa, S. Iordache, I. Vasiliu, R. Stefan, A. Galca, V. Kuncser, A. Trefilov, R. Pascu, I. Danciu	25th International Congress on Glass, Boston, USA, 09-14.06.2019, Boston, Statele Unite ale Americii, 2019-06-13
162.	Spectroscopic ellipsometry studies of graphene doped binary TiO ₂ -P ₂ O ₅ nanocomposite for photocatalytic application	Laurentiu Baschir, Ana Maria Iordache, Dan Savastu, Aurelian Popescu, Ileana Cristina Vasiliu, Mihai Elisa, Cosmin Obreja, Michel Stchakovsky	8th International Conference on Spectroscopic Ellipsometry, 26-31.05.2019, Barcelona, Spain, Barcelona, Spania, 2019-05-28
163.	Graphene and oxide graphene composite with phosphate glass	Bogdan Alexandru Sava, Lucica Boroica, Ileana Cristina Vasiliu, Elisa Mihail, Alexandra Trefilov, Ana Filip, Oana Gherasim (Fufa)	2nd International Conference on Emerging Technologies in Materials Engineering – EmergeMAT, 06-08.11.2019, Bucharest, Romania, Bucuresti, Romania, 2019-11-07
164.	Functionalized carbon nanotubes for chemical sensing: electrochemical detection of hydrogen isotopes	A. M. Iordache, S. M. Iordache, E. I. Ionete, I. Stamatina, E. Tanasa, C. Vasiliu, M. Elisa, I. Chilibon, C. E. A. Grigorescu	European Materials Research Society Conference-EMRS, 27-31.05.2019, Nice, France, Nice, Franta, 2019-05-29
165.	Optical limiting potential of reduced graphene oxide based films, solutions and silico-phosphate composites	A. Petris, C. Vasiliu, S. Mei, J. Yang, K. Thorshaug, B. Wabende, C. Simon, S. Etemadi, R. Wendelbo, P. Gheorghe, L. Ionel, L. Rusen, A. M. Iordache, M. Elisa	European Materials Research Society Conference-EMRS, 27-31.05.2019, Nice, France, Nice, Franta, 2019-05-30
166.	Nanostructured metal coatings on a surgical blade for in vivo label free diagnosis in oncologic	A. Sobetkii, C. Rizea, M.I. Rusu, C. R. Stefan (Iordanescu), A.M. Iordache, S.M. Iordache, A. Tonetto, R. Notonier, L. Tortet,	European Materials Research Society Conference-EMRS, 27-31.05.2019, Nice, France, Nice, Franta, 2019-05-29

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	surgery	C.E.A. Grigorescu	
167.	Aluminophosphate glasses containing rare-earth ions, applied as optical sensors and the processing method	Mihail Elisa, Bogdan Alexandru Sava, Lucica Boroica, Raluca Iordanescu, Ionut Feraru, Mihai Eftimie, Anca Beldiceanu	EUROINVENT-10th European Exhibition of Creativity and Innovation, Iasi, Romania, 16-18.05.2019, Iasi, Romania, 2019-05-18
168.	Fertilizanti fosfato-potasici vitrosi si metoda de producere a acestora	Bogdan Alexandru Sava, Lucica Boroica, Mihai Sava, Mihail Elişa	Salonul International al Cercetarii Stiintifice, Cercetarii si Inovarii, PRO INVENT, Editia a XVII-a, Cluj-Napoca, 20-22.03.2019, Cluj-Napoca, Romania, 2019-03-22
169.	Sticle boro-fosfatice cu proprietati magneto-optice si procedeu de fabricatie a acestora	Bogdan Alexandru Sava, Lucica Boroica, Mihail Elişa, Dumitru Ulieru, Doina Craciun	Salonul International al Cercetarii Stiintifice, Cercetarii si Inovarii, PRO INVENT, Editia a XVII-a, Cluj-Napoca, 20-22.03.2019, Cluj-Napoca, Romania, 2019-03-22
170.	Sticle fosfatice si borofosfatice cu proprietati optomagnetice	Bogdan Alexandru Sava, Lucica Boroica, Mihail Elisa, Dumitru Ulieru, Doina Craciun, Raluca Iordanescu, Ionut Feraru, Mihai Eftimie, Anca Beldiceanu	INFOINVENT, Expozitia Internationala Specializata, Editia a XVI-a, 20-23.11.2019, Chisinau, Republica Moldova, Chisinau, Moldova, 2019-11-23
171.	Fertilizanti fosfato-potasici vitrosi si metoda de producer a acestora	Bogdan Alexandru Sava, Lucica Boroica, Mihai Sava, Mihail Elisa	INFOINVENT, Expozitia Internationala Specializata, Editia a XVI-a, 20-23.11.2019, Chisinau, Republica Moldova, Chisinau, Moldova, 2019-11-23
172.	Boro-phosphate glasses containing lithium oxide, aluminium oxide and zinc oxide doped with rare-earths, transition and post-transition metal with magneto-optical properties and process for preparing	Bogdan Alexandru Sava, Lucica Boroica, Mihail Elisa, Dumitru Ulieru, Doina Craciun	INFOINVENT, Expozitia Internationala Specializata, Editia a XVI-a, 20-23.11.2019, Chisinau, Republica Moldova, Chisinau, Moldova, 2019-11-23
173.	Passive optical limiting in graphene-based nonlinear materials	Petris Adrian, Gheorghe Petronela, Ionel Laura Emilia, Rusen Laurentiu, Vasiliu Ileana Cristina, Iordache Ana Maria, Elisa Mihail, Simon Christian, Sen Mei, Juan Yang, Knut Thorshaug, Rune Wendelbo, Etemadi Samaneh	14th International Conference Correlation Optics – 2019, 16 – 19.09.2019, Cernauti, Ucraina, Cernauti, Ucraina, 2019-09-17
174.	Spin plasmonics and surface enhanced Raman spectroscopy in label free biomolecular sensing	C. E. A. Grigorescu, A-M. Iordache, M. I. Rusu, C. R. Stefan (Iordanescu), S. M. Iordache, C. Rizea, T. Soare, M. Militaru, A.	International Conference on Transparent Optical Networks 21-ICTON 21, Angers, Franta, 09-13.07 2019, Angers, Franta,

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		Diaconescu, L. Tortet, A. Tonetto, R. Notonier	2019-07-11
175.	A comparative investigation of plane and Ag containing hydroxiapatite coatings for use in spine surgery	M Braic A Vladescu V. Braic R.N. Ion A. Cimpean NC Zoita I. Pana A.E Kiss	E-MRS Spring Meeting, Nice, Franta, 2019-05-28
176.	Evaluation of Ag doped hydroxyapatite coatings in three different acellular media: SBF, DMEM and PBS	A.Vladescu, M.Braic, C.M.Cotrut, A.Kiss	6th Global Conference on Polymer and Composite Materials (PCM 2019) , Bangkok, Thailanda, 2019-07-10
177.	Carbonitride coatings for different applications	A. Vladescu, M. Braic, L.R. Constantin, A.C. Parau	19th International Balkan Workshop on Applied Physics-IBWAP'19, Constanta, Romania, 2019-07-17
178.	Investigation of ZrCN and ZrCrSiCN protective coatings for industrial applications	L.R. Constantin, V. Braic, M. Dinu, A. Vladescu	19th International Balkan Workshop on Applied Physics-IBWAP'19, Constanta, Romania, 2019-07-17
179.	The use of HiPIMS for DLC deposition of micrometer thick coatings	C. Vitelaru, A.E. Kiss, A.C. Parau, M. Dinu, L.R. Constantin, A. Sobetkii, T. Kubart	18th International Conference on Plasma Physics and Applications - CPPA 2019, Iasi, Romania, 2019-06-21
180.	Deposition of DLC coatings on metal substrates by using DC and HIPIMS sputtering of C target	Catalin Vitelaru, Adrian Emil Kiss, Anca Constantina Parau, Mihaela Dinu, Lidia Ruxandra Constantin, Arcadie Sobetkii, Tomas Kubart	E-MRS Spring Meeting, Nice, Franta, 2019-05-26
181.	Industrially relevant DLC coatings on metal substrates by using HIPIMS sputtering coupled with synchronized pulsed biasing	Arcadie Sobetkii, Arcadii Sobetkii, Catalin Vitelaru, Adrian Emil Kiss, Anca Constantina Parau, Tomas Kubart, Rafael Sanchez	E-MRS Spring Meeting, Nice, Franta, 2019-05-27
182.	Multilayered all-oxide plasma coatings for colored glazed solar thermal collectors	I Pana C Vitelaru M. Dinu NC Zoita A.E Kiss M. Braic	18th International Conference on Plasma Physics and Applications - CPPA 2019, Iasi, Romania, 2019-06-21
183.	Active optical control loop for reactive deposition of CuOx with tunable properties	C. Vitelaru, I. Pana, A.C. Parau, L.R. Constantin, A.E. Kiss, O. Muresan, I. Rusen, M. Braic	E-MRS Spring Meeting, Nice, Franta, 2019-05-27
184.	Optical modelling, deposition and characterization of an all-oxide multilayer as	I. Pana, N.C. Zoita, M. Dinu, A.E. Kiss, C. Vitelaru, M. Braic	E-MRS Spring Meeting, Nice, Franta, 2019-05-26

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	colored glazing for thermal solar collectors		
185.	Oxynitride thin films as adhesion interlayers between metal and ceramic for dental restorations	M. Dinu, L. Constantin, I. Pana, V. Braic, A. Vladescu, C.M. Cosmin, M. Braic	E-MRS Spring Meeting, Nice, Franta, 2019-05-26
186.	Properties of Ti-based carbonitrides coatings prepared by the cathodic arc evaporation technique	P. Scripca, A. Vladescu, L.R.Constantin	25th edition of HERVEX 2019, Govora, Romania, 2019-11-14
187.	Influence of Cr and Si alloying on the properties ZrCN coatings prepared by the cathodic arc evaporation technique	L.R. Constantin, A. Vladescu, C. Vitelaru, A. Parau	25th edition of HERVEX 2019, Govora, Romania, 2019-11-14
188.	Magnetron sputter epitaxy of GeSn films on Ge/Si wafers using RF or high power impulse feeding of Ge target	N.C. Zoita, I. Pana, A. Kiss, I. Dascalescu, A. Slav, O. Muresan, H. A. Schubert, C. Palade, D. Buca, T. Stoica, M. Braic	E-MRS Spring Meeting, Nice, Franta, 2019-05-27
189.	Corrosion resistance and biocompatibility of electron beam deposited Nb2O5 coatings	M. Dinu, L. Braic, S.C. Padmanabhan, M. A. Morris, L. Constantin, I.Titorencu, V. Pruna, L.F. Petrik, I. Pana, V. Braic, A. Vladescu	E-MRS Spring Meeting, Nice, Franta, 2019-05-27
190.	Nano-structured GeSn coatings for detection and emission of short-wave infrared light	T. Stoica, A. Slav, I. Dascalescu, A.-M. Lepadatu, M. L. Ciurea, D. Buca, D. Stange, N. von den Driesch, D. Grützmacher, M. Braic, A.E. Kiss, A. Enuica, G. Stan, S. Caramizoiu, N. Schaefer, R. Weih, C. Kistner, J. Koeth	EuroNanoForum, Bucuresti, Romania, 2019-06-12
191.	Characterization of Cu2O thin films used in solar cells by Raman and FTIR spectroscopy	I. Chilibon, R. Kumar, Ø. Nordseth, L. Fara, F. Dragan, D. Crăciunescu, C. Vasiliu, M. Rusu, S. E. Foss, E. Monakhov	European Materials Research Society Conference-EMRS, 27-31.05.2019, Nice, France, Nice, Franta, 2019-05-27
192.	Methods of energy capture in structures of special materials according to their specific conversion systems	I. Chilibon	European Materials Research Society Conference-EMRS, 27-31.05.2019, Nice, France, Nice, Franta, 2019-05-27
193.	Experimental investigation and numerical modeling of Cu2O heterojunction solar cells	Irinela Chilibon, Laurențiu Fara, Ørnulf Nordseth	COST - Action MP1406 Meeting: The MultiscaleSolar closing meeting”, 10 – 12 April, 2019, Sofia, Bulgaria, Sofia, Bulgaria,

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			2019-04-11
194.	WG2 activity report concerning experimental investigations on Cu ₂ O thin films for photovoltaic applications based on latest published articles	Laurențiu Fara, Irinela Chilibon	COST - Action MP1406 Meeting: The MultiscaleSolar closing meeting”, 10 – 12 April, 2019, Sofia, Bulgaria, Sofia, Bulgaria, 2019-04-11
195.	Energy capture methods by piezoelectric sensors	I. Chilibon	The Tenth International Conference on Sensor Device Technologies and Applications, October 27 - 31, 2019, Nice, France, SENSORDEVICES 2019, Nice, Franta, 2019-10-28
196.	Comparatively investigate Cr based hard coatings prepared by magnetron sputtering and chatodic arc evaporation	L.R. Constantin A Vladescu C. Vitelaru A. Parau	25th edition of HERVEX 2019, Govora, Romania, 2019-11-14