

Lista comunicarilor stiintifice sustinute in INOE 2000 in anul 2020

Nr.	Titlu	Eveniment	Autori
1.	The effects of irrigation regime and nitrogen rates on rapeseed yield for biofuels obtaining	Agriculture and Food Current and Future Challenges, AGRIFA, Romania, Cluj-Napoca, 23/10/2020	M. Roman, L. Dordai, C. Varaticeanu, L. Senila
2.	3D digitization practices in CH	Optoelectronics Into a Powerful Economy, Romania, on-line, 22/10/2020	L.M. Angheluță
3.	3D GPR models generated from 2D profiles validation through archaeological excavation	13th International Conference on the Developments on eSystems Engineering (DeSE2020), Regatul Unit al Marii Britanii, on-line, 17/12/2020	A. Chelmuș
4.	A 41-years bioclimatology of thermal stress in Europe	Optoelectronics for powerful economy, Romania, Online, 20/10/2020	B. Antonescu
5.	A practical approach to the design of a vertical axis wind turbine	Workshop «Optoelectronics for powerful economy», Romania, București, 22/10/2020	V. Dulgheru, C. Dumitrescu, I. Rabei, M. Gutu, O. Ciobanu
6.	A systematic experimental approach for design, deposition and characterization of PVD optical coatings	Optoelectronics into a powerful economy, Romania, Măgurele online, 21/10/2020	I. Pana, C. Vitelaru, A.E. Kiss, N.C. Zoita, M. Braic, V. Braic
7.	Advanced laser techniques for conservation and restoration of CH	Optoelectronics Into a Powerful Economy, , Romania, on-line, 22/10/2020	M. Dinu
8.	Aerosol and clouds measurements during joint POLIMOS and RAMOS campaign	European Lidar Conference ELC2020, Spania, Granada, 19/11/2020	Wang D, Delanoe J, Ene D, Poczta P, Stachlewska IS, Schüttemeyer D
9.	Aerosol Remote Sensing research in ACTRIS	Optoelectronics for powerful economy, Romania, Online, 20/10/2020	L. Mona, D. Nicolae
10.	Aerosol Types From EARLINET Data Using The Updated NATALI Code	European Lidar Conference ELC2020, Spania, Online, 19/11/2020	V. Nicolae, C. Talianu, J. Vasilescu and D. Nicolae

Nr.	Titlu	Eveniment	Autori
11.	Alpha-lidar: A State-of-the-art Continuous Daytime Depolarization Raman Lidar	European Lidar Conference ELC2020, Spania, Granada, 18/11/2020	L. Belegante, D. Ene, D. Nicolae, A. Nemuc, R. Pirloaga, V. Nicolae, I. Binietoglou, V. Freudenthaler, G. Giorgoussis, A. Tavernarakis, C. Evangelatos and A. Louridas
12.	Analysis of smart polymer composite delamination using grating optic fiber sensors	ICCS23 & MECHCOMP6 - 23rd International Conference on Composite Structures & 6th International Conference on Mechanics of Composites FEUP-Faculty of Engineering, Portugalia, Porto, 02/09/2020	R. Savastru, D. Savastru, L. Baschir, S. Miclos, I. Lancranjan,
13.	Antioxidant capacity of fresh prunus spinosa extracts obtained by supercritical CO2 extraction technique	Agriculture and Food Current and Future Challenges, AGRIFA, Romania, Cluj-Napoca, 23/10/2020	V. Băbălău Fuss, A. Becze , A. Moldovan, M. Tofană
14.	Application of a novel functionalized magnetic nanomaterial for heavy metals adsorption from contaminated waters	19th International Conference Life Science for Sustainable Development, Romania, Cluj Napoca, 24/09/2020	I.-V. Ganea, A.Nan, M. Șenilă, R. Turcu, C. Baci
15.	Applications of hydraulics in wind power generation	Workshop «Optoelectronics for powerful economy», Romania, București, 22/10/2020	I.-M. Baci, Al. Hristea, C. Dumitrescu
16.	Assesing climate impacts on urban forest changes using time series satellite data	Eighth International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2020), Cipru, Paphos, 26/08/2020	Dan Savastru, M. Zoran, R. Savastru
17.	Assessing environmental factors related to COVID-19 transmission in Bucharest city, in Romania	Int. Conf. Optoelectronics into a Powerful Economy, Romania, Bucuresti, 22/10/2020	Maria A. Zoran, Roxana S. Savastru, Dan M. Savastru, Marina N. Tautan, Laurentiu A. Baschir , Daniel V. Tenciu
18.	Assessment of electrochemical behavior in different media of silver doped hydroxyapatite-based coatings deposited on Ti6Al4V alloy for medical applications	European Corrosion Management - NACE International, Virtual Conference, Global, Global, 18/11/2020	Cosmin M. Cotrut, Diana M. Vranceanu, Elena Ungureanu, Alina Vladescu

Nr.	Titlu	Eveniment	Autori
19.	Assessment of waste burning in Romania	Optoelectronics for powerful economy, Romania, Online, 20/10/2020	L. Marmureanu
20.	Bioactivation through duplex treatment of titanium-based surface intended for biomedical applications	1st International Conference "Medical Materials Science & Engineering –BIOMAT", Romania, Predeal online, 21/02/2020	Ionut C. Ionescu, Diana M. Vranceanu, D. Tabaras, Elena Ungureanu, Andrei Berbecaru, M. Cojocaru, Anca C. Parau, Alina Vladescu, Cosmin M. Cotrut
21.	Biocompatible coatings used in the field of medicine	Optoelectronics into a powerful economy, Romania, Măgurele online, 21/10/2020	A. Vladescu, M. Surmeneva, C.M. Cotrut, R. Surmenev, E. Ungureanu, L.R. Constantin, M. Dinu, V. Braic
22.	Biocompatible hydroxyapatite-based coatings for medical applications	The 5th International conference "New Trends on Sensing-Monitoring-Telediagnosis for Life Sciences NT-SMT-LS 2020", Romania, Brasov-online, 04/07/2020	I. Pana, L. Constantin, E. Ungureanu, A. Vladescu,
23.	Biodegradable coatings with controllable degradability	International Chemical Engineering and Material Symposium, SICHEM 2020, Romania, Brasov-online, 18/09/2020	A. Vladescu, I. Pana, C. Vitelaru
24.	Biofules production from vineyard wastes	Agriculture and Food Current and Future Challenges, AGRIFA, Romania, Cluj-Napoca, 22/10/2020	L. Senila
25.	Biomass Burning Recorded By Lidar In Relationship With Vegetation Type	European Lidar Conference ELC2020, Spania, Granada, 19/11/2020	Mariana Adam, Konstantinos Fragkos, Doina Nicoleta Nicolae, Dragos Valentin Ene, Victor Andrei Nicolae
26.	Brevetul nr. RO 129592/30.08.2018; Titlu: Dispozitiv pentru generarea de unde mecanice in materiale solide	Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara , ediția a VI -a, perioada 13-15 octombrie 2020, onlin, Romania, Timisoara, 14/10/2020	Chilibon Irinela, Savastru Roxana, Grigorescu Cristiana Eugenia Ana, Vasiliu Ileana Cristina

Nr.	Titlu	Eveniment	Autori
27.	Byzantine coins evaluation using a non-destructive XRF analytical technique	Optoelectronics into a Powerful Economy , Romania, Bucuresti, 23/10/2020	C. Tănăsolia, A. Török, A. Știrban, D.G. Anghel
28.	Can modelling provide estimates for how emissions and ambient concentrations of anthropogenic black carbon may have changed since the COVID outbreak? A case study: Bucharest	ACTRIS Remote Sensing Virtual Workshop, Romania, on-line, 07/07/2020	Camelia Talianu
29.	CARS ARES COVID 19 related actions: an update	ACTRIS COVID-19 day, Finlanda, Online, 08/10/2020	D. Nicolae
30.	CAT detection using a synergy of lidar and wind profilers	International Conference on Aerospace Sciences "AEROSPATIAL 2020", Romania, Bucuresti, 15/10/2020	Razvan Pirloaga, Livio Belegante, Sabina Stefan, Aurelian Radu
31.	Centrul Suport PREPARE	Sesiune de informare cu privire la Programul Cadru ORIZONT EUROPA (2021-2027), Romania, online, 09/09/2020	Florica Toanca
32.	Cerere brevet A 2017 00428 / 29.06.2017 Aree de senzori cromogenici pentru verificarea calității produselor din carne proaspătă și procedeu de obținere a acestora	The 24th International Exhibition of Inventics "INVENTICA 2020", 29-31 Iulie 2020 Iași, online, Romania, Iasi, 30/07/2020	Ana-Maria Iordache, Cornelia Nichita, Stefan-Marian Iordache, Ioan Stamatin
33.	Cerere brevet A 2017 00428 / 29.06.2017 Aree de senzori cromogenici pentru verificarea calității produselor din carne proaspătă și procedeu de obținere a acestora	Salonul Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT, Ediția a XVIII-a, 18-20 noiembrie 2020, Cluj-Napoca, Romania, Romania, Cluj-Napoca, 19/11/2020	Ana-Maria Iordache, Cornelia Nichita, Stefan-Marian Iordache, Ioan Stamatin
34.	Chalcogenide materials and fiber optics in optoelectronics	International Conference - Optoelectronics into a Powerful Economy, Romania, Bucuresti, 22/10/2020	Laurentiu Aurelian Baschir
35.	Chemical characterization of Prunus spinosa by-products and their possible valorizations	19th International Conference Life Science for Sustainable Development, Romania, Cluj-Napoca, 24/09/2020	V. Băbălău Fuss, A. Moldovan, L. Senila, D. Scurtu, E. Kovacs, A. Becze, M. Tofana

Nr.	Titlu	Eveniment	Autori
36.	Chemical characterization of vineyard vine-shoot waste and conversion into pellets	19th International Conference Life Science for Sustainable Development, Romania, Cluj-Napoca, 25/09/2020	L. Senila, E. Kovacs, D. A. Scurtu, P. M. Carlescu, P.-E. Dumitrachi, D. E. Dumitras, I. Tenu, C. Roman
37.	Chlorophyll α and β biomass as an indicator of water quality conditions. A study case of an old mine water discharge	Agriculture and Food Current and Future Challenges, AGRIFA, Romania, Cluj-Napoca, 23/10/2020	A. Moldovan, M. A. Hoaghia, V. Băbălău-Fuss, M. Roman, V. Micle
38.	Chlorpyrifos residue levels in local crops from the Republic of Moldova and Romania	Agriculture and Food Current and Future Challenges, AGRIFA, Romania, Cluj-Napoca, 23/10/2020	T. Stratulat, A. Popa, A. Gușan, A. Hoaghia, O. Cadar
39.	Climatology of observed severe convective storms and their impacts	Workshop: Convective Storm Risk, European Severe Storms Laboratory, Austria, Wiener Neustadt, 24/10/2020	Antonescu, B.
40.	Collective phenomena of branching for overcritical currents in arrays of intrinsic Josephson junctions	OPTOELECTRONICS INTO A POWERFUL ECONOMY, October 20 - 23, 2020, Magurele, Romania, ONLINE, Romania, Magurele, 22/10/2020	MARINA CUZMINSCHI, ALEXEI ZUBAREV, STEFAN-MARIAN IORDACHE, ANA-MARIA IORDACHE, CRISTIANA E.A. GRIGORESCU
41.	COVID-19 campaign	Second Scientific Conference PANACEA, Grecia, Online, 30/09/2020	Doina Nicolae
42.	Determination of some heavy metal profiles in food of animal origin from various regions of Romania	Agriculture and Food Current and Future Challenges, AGRIFA, Romania, Cluj-Napoca, 23/10/2020	O. Cadar, Z. Dinca, A. Hoaghia, A. Gusan, A. Popa, T. Stratulat
43.	Determination of the optimal frequency for the detection Cherenkov cone of electromagnetic radiation in saline environment	Optoelectronics into a powerful economy, The on-line International Conference, INOE2000, Romania, Magurele, 21/10/2020	Ion Madalin Rusu, Valeriu Savu
44.	Determination of walnut and pumpkin oil adulteration using tocopherols profiling	International Conference on Food Control and Safety, Spania, Barcelona, 05/03/2020	A. Becze, L. Dordai, V. L. Fuss-Babalau
45.	Determining the efficiency of zeolite in eliminating the smell of tobacco	Agriculture and Food Current and Future Challenges, AGRIFA, Romania, Cluj-Napoca, 23/10/2020	A. Becze, V. L. Babalau Fuss, L. Dordai
46.	Digital hydraulics used to reduce energy losses in hydraulic systems	Workshop «Optoelectronics for powerful economy», Romania, București, 22/10/2020	B. Tudor, Al. Hristea, St. Sefu

Nr.	Titlu	Eveniment	Autori
47.	Doped phosphate glasses, obtaining and application	3rd International Conference on Emerging Technologies in Materials Engineering, EmergeMAT, 29 – 30.10.2020, Bucharest, Romania, Romania, Bucuresti, 30/10/2020	B. A. Sava, L. Boroica, M. Elisa, C. M. Dinca, A. V. Filip, R. C. Stefan, I. C. Vasiliu, S. M. Iordache, A. M. Iordache, M. Eftimie, V. Kuncser, A. C. Galca
48.	EARLINET/ACTRIS analysis of aerosol profiles during the COVID 19 lock down and relaxation period	Aerosol Remote Sensing workshop, Romania, Online, 06/10/2020	D. Nicolae
49.	East European Center for Atmospheric Remote Sensing	Sesiune de informare cu privire la Programul Cadru ORIZONT EUROPA (2021-2027), Romania, online, 09/09/2020	Doina Nicoleta Nicolae
50.	Eco-friendly technology for gold recovery from Cu and Pb bearing mining waste	3rd International Conference on Emerging Technologies in Materials Engineering, EMERGEMAT, Romania, Bucuresti, 30/10/2020	E. A. Levei, C. Varaticeanu, E. Neag, Simion B. Angyus, J. Goldstein, R. Osanu, M. Bizo, M. Ghiță, F. Bodenan
51.	Electrical and morphological characterization of carbon nanowall layers obtained by a low-pressure plasma jet	OPTOELECTRONICS INTO A POWERFUL ECONOMY, October 20 - 23, 2020, Magurele, Romania, ONLINE, Romania, Magurele, 22/10/2020	Bogdan I. Bită, Alexandra M.I. Trefilov, Stefan-Marian Iordache, Sorina Iftimie, Sasa Yehia, Sorin Vizireanu, Gheorghe Dinescu
52.	Electrochemical assessment of two metallo-porphyrins (Mn&Zn) for histamine detection - application in fresh meat evaluation	E-MRS 9th European Nanoanalysis Symposium, Germania, Dresden online, 09/10/2020	A.-M. Iordache, S.M. Iordache, V. Barna, R. Cristescu, E. Fagadar-Cosma, M. Elisa, I.C. Vasiliu, C.R. Stefan (Iordanescu), I. Chilibon, I. Stamatina, M.I. Rusu, C.N. Zoita, A. Sobetkii, C.E.A. Grigorescu

Nr.	Titlu	Eveniment	Autori
53.	Electrochemical impedance spectroscopy used for carbonitrides and oxynitrides investigation	Optoelectronics into a powerful economy, Romania, Măgurele online, 21/10/2020	M. Dinu, C.M. Cotrut, T. Hauffman, A. Lopez-Ortega, X. Almandoz, A. Vladescu, M. Braic,
54.	Elevation characteristics influence on soil microbiodiversity	Optoelectronics for powerful economy, Romania, Bucuresti, 20/10/2020	E. D. Kovacs
55.	Environment and Climate research @ INOE: 20 years of history	Optoelectronics for powerful economy, Romania, Online, 20/10/2020	D. Nicolae
56.	Environmental Management and Precision Agriculture Through Satellite Technologies and Classic Methods of Investigation	XVIth International Symposium "Priorities of Chemistry for a Sustainable Development" PRIOCHEM XVI, Romania, Bucuresti, 28/10/2020	Alina Ortan, Cristian Moise, Anca Nemuc, Irina Fierascu, Radu Fierascu
57.	Estimating ground level concentrations of PM2.5 using satellite AOD and WRF-Chem model data	Optoelectronics for powerful economy, Romania, Online, 20/10/2020	M. Boldeanu
58.	Exploring The Use Of Warping Networks To Improve The Lidar Optical Retrievals	European Lidar Conference ELC2020, Spania, Granada, 18/11/2020	D. Nicolae, C. Talianu, L. Belegante, D. Ene and V. Nicolae
59.	FEM optimization of a smart composite material microphone using a grating fiber optic sensor	ICCS23 & MECHCOMP6 - 23rd International Conference on Composite Structures & 6th International Conference on Mechanics of Composites FEUP-Faculty of Engineering, Portugalia, Porto, 01/09/2020	L. Baschir, D. Savastru, R. Savastru, S. Miclos, I. Lancranjan
60.	FEM stress analysis of a wind turbine blade made of a smart composite material using diffraction grating optic fiber sensors	ICCS23 & MECHCOMP6 - 23rd International Conference on Composite Structures & 6th International Conference on Mechanics of Composites FEUP-Faculty of Engineering, Portugalia, Porto, 03/09/2020	Lancranjan Ion; Savastru Dan; Savastru Roxana; Miclos Sorin; Baschir Laurentiu,
61.	Forest litter under altered freeze-thaw events drive differentiation of microbial community structure and functions in the litter horizon across mixed forest ecotone	Agriculture and Food Current and Future Challenges, AGRIFA, Romania, Cluj-Napoca, 23/10/2020	E. D. Kovacs, C. Roman, M. H. Kovacs, T. Rusu, L. S. Wojciech, D. Tian

Nr.	Titlu	Eveniment	Autori
62.	Freezing fog event observed with wind lidar and cloud radar over a peri-urban site in southeastern Romania	European Lidar Conference ELC2020, Spania, Granada, 20/11/2020	Razvan Pirloaga, Sabina Stefan, Mihai Boldeanu, Dragos Ene, Anca Nemuc, Bogdan Antonescu
63.	General view on workflows between ARS NFs , CARS and ARES	ACTRIS week, Finlanda, Online, 26/10/2020	D. Nicolae
64.	Glass-graphene oxide nanocomposite: obtaining and characterization	3rd International Conference on Emerging Technologies in Materials Engineering, EmergeMAT, 29 – 30.10.2020, Bucharest, Romania, Romania, Bucuresti, 30/10/2020	B. A. Sava, A.V. Filip, L. Boroica, M. Elisa, I. C. Vasiliu, C. M. Dinca, M. Dumitru, A. M. I. Trefilov, S. M. Iordache, A. M. Iordache, M. Eftimie
65.	Graphene oxide – Glass Sol-Gell Nanocomposite	6th Edition of Conference for Sustainable Energy-CSE 2020, Transilvania University of Brasov, 2020, Romania, Brasov, 23/10/2020	Bogdan Alexandru Sava, Lucica Boroica, Ileana Cristina Vasiliu, Elisa Mihail, Ana Violeta Filip, Catalin Marius Dinca, Mihai Oane
66.	Graphene Oxide–Glass Nanocomposite Obtained by Sintering and Melting	6th Edition of Conference for Sustainable Energy-CSE 2020, Transilvania University of Brasov, 2020, Romania, Brasov, 23/10/2020	Bogdan Alexandru Sava, Lucica Boroica, Ileana Cristina Vasiliu, Elisa Mihail, Alexandra Trefilov, Ana Violeta Filip, Andreea Matei, Catalin Marius Dinca, Oana Gherasim, Mihai Eftimie

Nr.	Titlu	Eveniment	Autori
67.	Heteroepitaxial and nanostructured films for photonics, high temperature electrical contacts and charge storage devices	Optoelectronics for powerful economy, Romania, Măgurele on line, 21/10/2020	Nicolae C. Zoita, Adrian E. Kiss, Mihaela Dinu, Dan Buca, Nasir Alfaraj, Magdalena L. Ciurea, Kuang-Hui Li, Boon S. Oo, Toma Stoica, Mariana Braic
68.	High-performance device for the conversion of solar energy into electricity and specific applications	The 24th International Exhibition of Inventics "INVENTICA 2020" Iași, România, 29.07. – 31.07.2020, Romania, Iasi, 30/07/2020	I. Chilibon, C. Vasiliu, C. E. A. Grigorescu, D. Savastru, M. Elisa
69.	Impact of lockdown from remote sensing observations	ACTRIS week, Finlanda, Online, 27/10/2020	D. Nicolae
70.	Impact of surface modification techniques on the in vitro corrosion behavior and biomineralization ability of titanium	8th International Conference on Materials Science and Technologies – ROMat 2020, Romania, Bucuresti Virtual Conference, 26/11/2020	D.M. Vranceanu, I.C. Ionescu, E. Ungureanu, A. Berbecaru, G.A. Juravlea, R.I. Zamfir, A. Vladescu, C.M. Cotrut
71.	In vitro bioactivity and degradation evaluation of biocompatible Ag doped hydroxyapatite coatings	International Chemical Engineering and Material Symposium, SICHEM 2020, Romania, Bucuresti-online, 18/09/2020	I. Pana, E. Ungureanu, L.R. Constantin, C. M. Cotrut, A. Vladescu,
72.	Insights on the biomass burning events measured by lidars in EARLINET	Optoelectronics for powerful economy, Romania, Online, 20/10/2020	Mariana Adam, Doina Nicoleta Nicolae, Livio Belegante, Iwona Stachlewska
73.	Investigation of Aerosol Layer Height Algorithms to Identify the Transition Layers Using Synergy of Lidar, Ceilometer and Radiometer Measurements	European Lidar Conference -- ELC2020, Spania, Granada , 19/11/2020	Camelia Talianu
74.	Laser removal of marker tags from a contemporary graffiti painting	21st International Conference and School on Quantum Electronics "Laser Physics and Applications", Bulgaria, on-line, 21/09/2020	V. Atanassova, I. Cortea, M. Dinu
75.	Long period grating fiber sensor for detection of impurities infesting smart polymer composites	ICCS23 & MECHCOMP6 - 23rd International Conference on Composite Structures & 6th International Conference on Mechanics of Composites FEUP-Faculty of Engineering, Portugalia,	S. Miclos, L. Baschir, D. Savastru, R. Savastru, I. Lancranjan

Nr.	Titlu	Eveniment	Autori
		Porto, 01/09/2020	
76.	Magnesium-doped hydroxyapatite coatings obtained by electrochemical deposition with enhanced features	8th International Conference on Materials Science and Technologies – ROMat 2020, Romania, Bucuresti Virtual Conference, 27/11/2020	E. Ungureanu, I.C. Ionescu, G.A. Juravlea, A.A. Closca, A. Vladescu, C.M. Cotrut
77.	Mechanical and tribological characterization of (TiAl0.5CrNbY)Nx high entropy alloys: from micro- to nano-scale	9th European Nanoanalysis Symposium (E-MRS), Germania, Dresden online, 09/10/2020	I. Pana, M. Dinu, A. Kiss, A. López-Ortega, X. Almandoz, M. Mondragon, A. Sobetskii, L. Constantin,, I. Boerasu, C.E.A. Grigorescu, J.M. Ilzurrategi, A. Sobetskii, V. Capatana, C. Bidalach, C. Vitelaru, N.C. Zoita,
78.	Method for direct mercury determination in vegetables using thermal decomposition – atomic absorption spectrometry	Agriculture and Food Current and Future Challenges, AGRIFA, Romania, Cluj-Napoca, 23/10/2020	M. Senila, B. Angyus, A. Hoaghia, O. Cadar
79.	Microalgae biomass as biofertilizer in agriculture for enhancing plant growth	Agriculture and Food Current and Future Challenges, AGRIFA, Romania, Cluj Napoca, 22/10/2020	Z. Dincă, A. I. Török, E. Neag, C. Roman
80.	Misiuni in Orizont Europa	Sesiune de informare cu privire la Programul Cadru ORIZONT EUROPA (2021-2027), Romania, online, 09/09/2020	Florica Toanca
81.	Mobility and oral bioaccessibility of metals from tailing materials of Romania	20th International Conference on Heavy Metals in the Environment, ICHMET, Japonia, Seul, 28/10/2020	C. Quantin, E. A. Levei, A. Hoaghia, G. Monvoisin, F. Haurine, T. Gastellu, A. Courtin-Nomade
82.	Monitoring of land surface radiative parameters in Bucharest city through thermal infrared remote sensing	Eighth International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2020), Cipru, Paphos, 26/08/2020	M. Zoran, R. Savastru, Dan Savastru, M. Tautan, L. Baschir

Nr.	Titlu	Eveniment	Autori
83.	Monitoring the wear of the hydraulic gear pumps in endurance through modern methods of predictive and proactive maintenance	Workshop «Optoelectronics for powerful economy», Romania, București, 22/10/2020	Al.-D. Marinescu, Al.-V. Rădulescu, I. Rădulescu, A.-M. C. Popescu, Șt. M. Șefu;
84.	Monocrop culture long term straw return impact on soil structure, abundance and microbiota catabolic activity: consequences on soil functions	Agriculture and Food Current and Future Challenges, AGRIFA, Romania, Cluj-Napoca, 23/10/2020	E. D. Kovacs, C. Roman, M. H. Kovacs, T. Rusu, L. S. Wojciech, D. Tian
85.	Multi-analytical spectroscopic approach for characterization of polychrome surfaces - application in cultural heritage preservation	21st International Conference and School on Quantum Electronics "Laser Physics and Applications", , Bulgaria, on-line, 21/09/2020	V. Atanassova, I. Cortea, L. Ghervase, M. Dinu, E. Iordanova, G. Yankov, V. Tankova, V. Mihailov
86.	Multicomponent Alloys: Paradigms, design and ways to match compositions with properties	CHALLENGES IN MULTICOMPONENT ALLOYS, Online international workshop, 24th of July 2020, Magurele, Romania, Romania, Magurele, 24/07/2020	C-E-A Grigorescu, C.N. Zoita, A-M Iordache
87.	Multinary metal alloys on the (half-) Heusler, Diluted Magnetic Semiconductors and High Entropy families – how would spin make a choice?	OPTOELECTRONICS INTO A POWERFUL ECONOMY, October 20 - 23, 2020, Magurele, Romania, ON-LINE, Romania, Magurele, 22/10/2020	C. E. A. GRIGORESCU, C. N. ZOITA, A. SOBETKII, A.-M. IORDACHE, S.-M. IORDACHE, C. R. STEFAN, M. I. RUSU, L. TORTET, A. TONETTO, R. NOTONIER
88.	Multi-temperature Model for Ultrafast Laser Experiments on Single Layered Graphene	6th Edition of Conference for Sustainable Energy-CSE 2020, Transilvania University of Brasov, 2020, Romania, Brasov, 23/10/2020	Mihai Oane, Bogdan Alexandru Sava, Lucica Boroica, Rares Medianu, Ileana Cristina Vasiliu, Elisa Mihail, Ana Violeta Filip, Catalin Marius Dinca,

Nr.	Titlu	Eveniment	Autori
89.	Nano-mechanical and nano-tribological investigation of metallic and carbonitride TiCrCoNiV high entropy alloys,	9th European Nanoanalysis Symposium (E-MRS), Germania, Dresden online, 09/10/2020	M. Dinu, I. Pana, A. Kiss, A. López-Ortega, X. Almandoz, M. Mondragon, A. Sobetskii, L. Constantin,, I. Boerasu, C.E.A. Grigorescu, J.M. Ilzurrategi, A. Sobetskii, V. Capatana, C. Bidalach, C. Vitelaru, N.C. Zoita
90.	New materials based on natural zeolites used for petroleum products sorption and waste recovery	Agriculture and Food Current and Future Challenges, AGRIFA, Romania, Cluj-Napoca, 23/10/2020	M. A. Hoaghia, I. Aschilean, E. Kovacs, C. Roman, M. Senila
91.	Optical emission spectroscopy techniques for controlling the reactive magnetron plasma processes and tuning the properties of thin films	Optoelectronics into a powerful economy, Romania, Măgurele online, 21/10/2020	C. Vitelaru, I. Pana, A.E. Kiss, L.R. Constantin, N.C. Zoita, M. Braic
92.	Optical properties of rare-earth-doped phosphate glasses	Rare-earth-doped phosphate glasses for optoelectronic applications, On-line International Workshop, 01.07.2020, Magurele, Romania, Romania, Magurele, 01/07/2020	Mihail Elisa, Stefan Marian Iordache, Cristiana Eugenia Ana Grigorescu
93.	Optimized Cu ₂ O/c-Si tandem heterojunction solar cells: experimental and modeling investigation for defect analysis	2nd International Conference on Photovoltaic Science and Technologies (PVCon2020), 30 November - 2 December 2020, Middle East Technical University, Ankara, Turkey, Turcia, Ankara, 01/12/2020	L. Fara, Ø. Nordseth, I. Chilibon, R. Kumar, I. C. Vasiliu, D. Savastru, L. Baschir, D. Craciunescu, S. Fara, E. Monakhov
94.	Organic fertilization method to increase the quantity and quality of carrot (Daucus Carota) production using natural zeolites	Agriculture and Food Current and Future Challenges, AGRIFA, Romania, Cluj-Napoca, 23/10/2020	L. Dordai, A. Becze, M. Roman

Nr.	Titlu	Eveniment	Autori
95.	Organic mixtures and Pieber effect-related experiment during the 2018 ACSM intercomparison workshop	COLOSSAL WG1 - ACTRIS ACSM workshop, Uniunea Europeana, online, 19/10/2020	L. Marmureanu, C. Marin, E. Freney, O.Favez, J.E. Petit, J. Vasilescu, Green D., Minguillon MC., & Colossal team
96.	Pharmaceuticals uptake by vegetables: exposure route significance	Agriculture and Food Current and Future Challenges, AGRIFA, Romania, Cluj-Napoca, 23/10/2020	E. D. Kovacs, L. Silaghi-Dumitrescu, C. Roman, M. H. Kovacs, T. Rusu, L. S. Wojciech
97.	Phosphate-tellurite vitreous material containing TiO ₂ , with magnetic and magneto-optical properties, for Faraday rotators	The 24th International Exhibition of Inventics "INVENTICA 2020" Iași, România, 29.07. – 31.07.2020, Romania, Iasi, 30/07/2020	M. Elisa, S-M. Iordache, A-M. Iordache, I. C. Vasiliu, B. A. Sava, L. Boroica, A. V. Filip, M. C. Dinca, V. Kuncser, C. A. Galca
98.	Phosphate-telluritic glass materials containing TiO ₂ , with magnetic and magneto-optical properties, for Faraday rotators	Salonul Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT, Ediția a XVIII-a, 18-20 noiembrie 2020, Cluj-Napoca, Romania, Romania, Cluj-Napoca, 19/11/2020	M. Elisa, S. M. Iordache, A-M. Iordache, I. C. Vasiliu, B. A. Sava, L. Boroica, A. V. Filip, M. C. Dinca, V. Kuncser, A. C. Galca
99.	Photonics4Agrifood: Virtual Workshop & Brokerage Event, in the framework of the European Project H2020 NextPho21	Photonics technologies for the Agrifood Value Chains, AEIT-CORIFI, in collaboration with Regione Lombardia, Finlombarda S.p.A., Confindustria Lombardia, CNR-ISMN, CNR-IFN and SIMPLER-Enterprise Europe Network, Italia, Lombardia, 05/10/2020	L. Baschir
100.	Physico-chemical instrumentation	ADSORPTION OF DIOXINES ON ZEOLITES THROUGH RAMAN SPECTROSCOPY, Online international workshop, July 22, 2020, Magurele, Romania, Romania, Magurele, 22/07/2020	A.-M. Iordache, Aurika Janulyte

Nr.	Titlu	Eveniment	Autori
101.	Plasma Self-organization in High Intensity Laser Beam	OPTOELECTRONICS INTO A POWERFUL ECONOMY, October 20 - 23, 2020, Magurele, Romania, ONLINE, Romania, Magurele, 22/10/2020	ALEXEI ZUBAREV, MARINA CUZMINSCHI, ANA-MARIA IORDACHE, STEFAN-MARIAN IORDACHE, CRISTIANA E.A. GRIGORESCU
102.	Plasmonics, spintronics and label-free spectroscopies - lessons to be learned for interspecies discrimination	OPTOELECTRONICS INTO A POWERFUL ECONOMY, October 20 - 23, 2020, Magurele, Romania, ONLINE, Romania, Magurele, 22/10/2020	C. RIZEA, A-M. IORDACHE, S. M. IORDACHE, A.SOBETKII, C.N. ZOITA, C. R. STEFAN, C. GIUGLEA, A. MAZLUM, V. BARNA, L. TORTET, A. TONETTO, R. NOTONIER, M. MILITARU, C.E.A. GRIGORESCU
103.	Platinum and Palladium Determination in Spent Catalysts using Inductively Coupled Plasma Optical Emission Spectrometry	3rd International Conference on Emerging Technologies in Materials Engineering, EMERGEMAT, Romania, Bucuresti, 30/10/2020	M. Senila, O. Cadar, B. Bauer-Siebenlist, S. Böringer, K. Seaudeau-Pirouley, P. Lacroix-Desmazes
104.	Potential of Raman analysis in the determination of milk adulteration	Agriculture and Food Current and Future Challenges, AGRIFA, Romania, Cluj-Napoca, 23/10/2020	A. Becze, O. M. Naghiu , V. L. Babalau Fuss, L. Cepoi, D. Simedru
105.	Preparation and investigation of plasmonic properties of Ag/Au alloys	EMRS Fall Meeting, 9th European School for Young Materials Scientists, 9 October 2020, Online Event, Germania, Dresden, 09/10/2020	A-M. Iordache, C. Rizea, C. Giuglea, C.N. Zoita, I. Stamatina, S. M. Iordache, I. C. Vasiliu, M. Elisa, I. Chilibon, C. R. Stefan (Iordanescu), M. I. Rusu, V. Barna, A. Sobetkii, C. E. A. Grigorescu

Nr.	Titlu	Eveniment	Autori
106.	Preparation and Study of Core Shell Fe ₃ O ₄ /Au Nanoparticles for Traceability of Blood Vessels and Biosensing by Surface Enhanced Raman Spectroscopy	22nd International Conference on Transparent Optical Networks (ICTON), Italia, Bari, 20/07/2020	A-M. Iordache, C. Rizea, C. Giuglea, C.N. Zoita, I. Stamatina, S.M. Iordache, C.R. Stefan, M.I. Rusu, L. Tortet, A. Tonetto, R. Noto, C.E.A. Grigorescu
107.	Pre-seismic anomalies from satellite data associated with some moderate Vrancea earthquakes	Eighth International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2020), Cipru, Paphos, 26/08/2020	M. Zoran, R. Savastru, Dan Savastru
108.	Presentation of the research teams	ADSORPTION OF DIOXINES ON ZEOLITES THROUGH RAMAN SPECTROSCOPY, Online international workshop, July 22, 2020, Magurele, Romania, Romania, Magurele, 22/07/2020	C.E.A. Grigorescu
109.	Procedeu de preparare a suprafetelor cu nanostructuri din Au si Ag si instrument chirurgical astfel obtinut pentru evaluarea intraoperatorie a statusului marginilor tumorilor	Salonul International al Cercetarii Stiintifice, Cercetarii si Inovarii, PRO INVENT, Editia a XVII-a, Cluj-Napoca, 20-22.03.2019, Romania, Cluj-Napoca, 23/03/2020	GRIGORESCU Cristiana-Eugenia-Ana, RUSU Madalin Ion, SCOICARU Laurentiu Octavian, MANEA Sorin, BIRTOIU Ion Alin, MILITARU Manuella, MUNTEANU Raluca Madalina, VIJALARU Bogdan-Alexandru, CHIRICUTA Bogdan
110.	Profiling ABL for Air Quality applications	2nd Management Committee and Working Group Meeting PROBE, Uniunea Europeana, online, 18/03/2020	Anca Nemuc
111.	Quantification of anthropogenic aerosol changes during COVID-19 based on similarity of aerosol transport patterns	ACTRIS week, Romania, on-line, 27/10/2020	Camelia Talianu, Doina Nicolae
112.	Raman spectroscopy	ADSORPTION OF DIOXINES ON ZEOLITES THROUGH RAMAN SPECTROSCOPY, Online international workshop, July 22,	Cristiana Grigorescu & Stefan- Marian Iordache

Nr.	Titlu	Eveniment	Autori
		2020, Magurele, Romania, Romania, Magurele, 22/07/2020	
113.	Rapid detection of walnut and pumpkin oil adulteration using Raman spectroscopic data and statistical modelling	Agriculture and Food Current and Future Challenges, AGRIFA, Romania, Cluj-Napoca, 22/10/2020	A. Becze, D. Simedru
114.	Reactive cathodic arc deposition of protective biocompatible carbide coatings used for medical applications	7th Global Conference on Polymer and Composite Materials (PCM 2020), Japonia, Xi'an online, 04/11/2020	I. Pana, L.R. Constantin, I.G. Sandu, M. Dinu, C.M. Cotrut, A. Vladescu,
115.	Roadmap towards a bioenergy model of life cycle sustainability assessment	19th International Conference Life Science for Sustainable Development, Romania, Cluj-Napoca, 25/09/2020	E. Kovacs, L. Senila, M.-A. Hoaghia, C. Roman, D. E. Dumitras
116.	Root oxidates modulates soil microbiota: consequences on soil functions	Optoelectronics for powerful economy, Romania, Bucuresti, 20/10/2020	E. D. Kovacs
117.	Salinity optical sensor based on surface plasmon resonance structure with As ₂ S ₃ waveguide	4th Progress on Polymers and Composites Products and Manufacturing Technologies, POLCOM 2020, Romania, Bucuresti, 26/11/2020	Miclos S., Popescu A.A. , Savastru D., Baschir L
118.	Seasonal source apportionment of NR-PM ₁ near Bucharest	Virtual WG-2 Workshop COLOSSAL, Uniunea Europeana, online, 04/05/2020	Jeni Georgeta Vasilescu, Cristina Antonia Marin, Luminita Marmureanu
119.	Senzor electrochimic pentru siguranța alimentară	Salonul Internațional de Inventii și Inovații „TRAIAN VUIA” Timișoara , ediția a VI -a, perioada 13-15 octombrie 2020, onlin, Romania, Timisoara, 15/10/2020	Ana-Maria Iordache, Valentin Barna, Stefan-Marian Iordache, Cristiana Eugenia Ana Grigorescu, Arcadie Sobeskii
120.	Si doped TiCN coatings for load bearing implants	The 5th International conference "New Trends on Sensing-Monitoring-Telediagnosis for Life Sciences NT-SMT-LS 2020", Romania, Brasov-online, 04/07/2020	L. Constantin, M. Dinu, E. Ungureanu, P. Scripca, I. Pana, C. Vitelaru, A. Vladescu,

Nr.	Titlu	Eveniment	Autori
121.	Silicon-based tandem heterojunction solar cells incorporating copper oxide: performance optimization and defect analysis	OPTOELECTRONICS INTO A POWERFUL ECONOMY, October 20 - 23, 2020, Magurele, Romania, ONLINE, Romania, Magurele, 22/10/2020	L. Fara, Ø. Nordseth, I. Chilibon, R. Kumar, I. C. Vasiliu, D. Savastru, L. Baschir, D. Craciunescu, S. Fara, E. Monakhov
122.	Silver films: from plasmonic to biomaterials	Optoelectronics into a powerful economy, Romania, Măgurele online, 21/10/2020	M. Braic, A. Vladescu, A.E. Kiss, V. Braic, M. Fini, N.C. Zoita
123.	Simulated biological fluids with application for in vitro dissolution/ release tests	NANOTEK - Nanomedicine Conference for Students, Romania, Cluj-Napoca, 18/10/2020	O. Cadar, A. Moldovan
124.	Smart composite using fiber optic sensors for fluid flow characterization and temperature measurement	ICCS23 & MECHCOMP6 - 23rd International Conference on Composite Structures & 6th International Conference on Mechanics of Composites FEUP- Faculty of Engineering, Portugal, Porto, 01/09/2020	D. Savastru, L. Baschir, S. Miclos, R. Savastru, I. Lancranjan
125.	Solar and Atmospheric Radiation Measurements at MARS	BSRN 2020 Interim virtual workshop, Italia, Online, 01/10/2020	Konstantinos Fragkos, Emil Carstea, Bogdan Antonescu, Mihai Boldeanu, Sorin Pirloaga, Doina Nicolae
126.	Sputtered hydroxyapatite coatings used in medicine	7th Global Conference on Polymer and Composite Materials (PCM 2020), Japonia, Xi'an online, 04/11/2020	A. Vladescu, I. Pana, E. Ungureanu, L.R. Constantin, C. Vitelaru,
127.	Structural modification pattern of plasma deposited graphene nanowall layers induced by nitrogen doping	OPTOELECTRONICS INTO A POWERFUL ECONOMY, October 20 - 23, 2020, Magurele, Romania, ONLINE, Romania, Magurele, 22/10/2020	Alexandra M.I. TREFILOV, Bogdan I. BIȚĂ, Lavinia CARPEN, Ana-Maria IORDACHE, Sorin VIZIREANU, Bogdan A. SAVA, Gheorghe DINESCU
128.	Surface water quality monitoring -a citizen science perspective	International Conference - Optoelectronics into a Powerful Economy, Romania, Magurele, 22/10/2020	Elfrida Mihaela Carstea (Pfeiffer), Ionela Simona Dontu, Cristina Liana Popa

Nr.	Titlu	Eveniment	Autori
129.	Synthesis and complex characterization of a zinc phosphate-tellurite glass as Faraday rotators	OPTOELECTRONICS INTO A POWERFUL ECONOMY, October 20 - 23, 2020, Magurele, Romania, ONLINE, Romania, Magurele, 22/10/2020	M. Elisa, S. M. Iordache, A-M. Iordache, I. C. Vasiliu, B. A. Sava, L. Boroica, M. C. Dinca, A. V. Filip, A. C. Galca, C. Bartha, V. Kuncser and M. Eftimie
130.	Tailored Ag doping of hydroxyapatite by HiPIMS	The 5th International conference "New Trends on Sensing-Monitoring-Telediagnosis for Life Sciences NT-SMT-LS 2020", Romania, Brasov-online, 04/07/2020	A. Vladescu, H. Schubert, V. Braic, I. Pana, O. Muresan, M. Braic,
131.	The application of surface plasmon resonance with As ₂ S ₃ waveguide for alcohols identification	4th Progress on Polymers and Composites Products and Manufacturing Technologies, POLCOM 2020, Romania, Bucuresti, 26/11/2020	Popescu A.A., Miclos S., Savastru D., Baschir L.
132.	Thermal behavior of phosphate and boro-phosphate glasses	3rd International Conference on Emerging Technologies in Materials Engineering, EmergeMAT, 29 – 30.10.2020, Bucharest, Romania, Romania, Bucuresti, 30/10/2020	M. Eftimie, B. A. Sava, L. Boroica, A. V. Filip, M. Elisa, C. M. Dinca, A. M. I. Trefilov, S. M. Iordache, A. M. Iordache
133.	Tools for sharing: checking the status of the high-power lidars & submission of QA tests	CARS-ARES sessions at the ACTRIS Week, Romania, online, 26/10/2020	Livio Belegante, Doina Nicoleta Nicolae, Victor Andrei Nicolae
134.	Tornadoes in Europe: What is the worst that could happen?	Workshop: Convective Storm Risk, European Severe Storms Laboratory, Austria, Wiener Neustadt, 25/11/2020	Antonescu, B.
135.	Tornadoes in Europe: What we have learned so far	54th Congress of the Canadian Meteorological and Oceanographical Society, Statele Unite ale Americii, Ottawa, 27/05/2020	Antonescu, B., P. Groenemeijer, T. Kühne, D. M. Schultz, T. Púčík, and A. Holzer
136.	Tribological characterisation-overview	Workshop-Challenges in Multicomponent Alloys, Romania, Măgurele online, 24/07/2020	M. Dinu
137.	Uncovering layers of the past. Spectral imaging techniques for artworks investigation	Optoelectronics Into a Powerful Economy, Romania, on-line, 22/10/2020	L. Ratoiu

Nr.	Titlu	Eveniment	Autori
138.	Variabilitatea sezoniera a surselor de aerosoli in zona Bucuresti/Magurele	Virtual WG-3 Workshop COLOSSAL, Uniunea Europeana, online, 15/09/2020	Jeni Georgeta Vasilescu, Cristina Antonia Marin, Luminita Marmureanu
139.	Wastewater treatment using Porphyridium spp.	26th International Symposium on Analytical and Environmental Problems, Ungaria, Szeged, 03/11/2020	Z. Dincă, A. I. Török, A. Moldovan, E. Neag, C. Roman
140.	What are the main requirements for a workflow management tool	ACTRIS week, Finlanda, Online, 26/10/2020	D. Nicolae
141.	Wine technology by-products valorization by extraction of bio-active compounds using carbon dioxide extraction technique	Wine technology by-products valorization by extraction of bio-active compounds using carbon dioxide extraction technique, Spania, Barcelona, 05/03/2020	A. Becze, L. Senila, M. Roman, V. L. Fuss-Babalau
142.	Workshop: (Advanced Technologies for Industry) Moving from technology-based networks to value chain-based networks: How to improve the effectiveness of cross-border networks of ATI technology centres	European Commission, DG GROW, Executive Agency for Small and Medium-sized Enterprises (EASME) , Belgia, Bruxel, 24/09/2020	L. Baschir