

ANEXA X Comunicări științifice

Nr. Crt.	TITLUL	EVENIMENT	AUTORI
Comunicări invitate			
1.	Biodegradable coatings based CaP doped Mg	Global Webinar on Materials Science and Engineering,, Romania, Măgurele online, 09/07/2021	A.Vladescu, C.M. Cotrut, A.C. Parau, I.Pana
2.	Degradation of sputtered hydroxyapatite in different acellular media	1st Corrosion and Materials Degradation Web Conference CMDWC 2021- Symposium S9 Corrosion and Degradation of Biomaterials, Romania, Măgurele online, 17/05/2021	A. Vladescu, C.M. Cotrut, I. Pana, E. Ungureanu, D.M. Vranceanu
3.	Solution for decreasing of corrosion rate of MgCa alloy used in biomedical applications	EMRS Spring Meeting, Romania, Măgurele online, 31/05/2021	A. Vladescu, J. Schmidt, P.Y. Huri, C. Vitelaru, D. Kloss, N. Hasirci, V. Hasirci, L.R. Constantin, M. Braic
4.	Versatile mobile laboratory: Investigations on ancient, early medieval and late medieval archaeological sites	Archaeology Research & IPERION HS - Webinar , Italia, online, 07/12/2021	L. Angheluta
Comunicări orale			
1.	Aerosol layer height from ground based active remote sensing and satellite ALH product of S5P/TROPOMI	European Lidar Conference - ELC 2021, Spania, Granada, 18/11/2021	Mariana Adam, Mihai Boldeanu, Anca Viorica Nemuc, Victor Andrei Nicolae
2.	Antimicrobial silver-based coatings obtained by magnetron sputtering on soft transparent polymers foils	E-MRS 2021 Fall Meeting, Romania, Măgurele online, 23/09/2021	C. Vitelaru, A.C Parau, A.E. Kiss, I. Pana, M. Dinu, L.R. Constantin, A. Vladescu, S. Costinas, C.S. Adochite, M. Moga, L. Floroian, M. Badea, M. Idomir, L.E. Tonofrei
3.	Assessment of bacterial diversity and community-level physiological profiles associated to sediments and water from Pestera cu Apa din Valea Lesului (Romania)	Simpozionul Biodiversitate, Tradiții și Actualitate (BioTA 2021) , Romania, Cluj-Napoca, 19/11/2021	D.F. Bogdan, A.I. Baricz, I. Chiciudean P.A. Bulzu, R. Nastase-Bucur, E. A. Levei, C. Sitar, I.C. Mirea, O.T. Moldovan, H.L. Banciu
4.	Automatic Pollen Classification Using Convolutional Neural	TSP - 44th International Conference on	M. Boldeanu, H. Cucu, C.

	Networks	Telecommunications and Signal Processing , Cehia, Brno, 27/07/2021	Burileanu, L. Marmureanu
5.	Bucharest aerosol sources from ACSM data	COLOSSAL Workshop (WG-2), Romania, online, 28/01/2021	L. Marmureanu, J. Vasilescu, C. Marin
6.	Combined plasmonic-magnetic nanostructures for label free direct ex vivo diagnosis through surface enhanced Raman spectroscopy	EMRS Spring Meeting 2021, Franta, ON-LINE, 31/05/2021	A.M. Iordache, C. Rizea, C.N. Zoita, C. R. Stefan (Iordanescu), S.M.Iordache, M.I. Rusu, A. Tonetto, R. Notonier, L. Tortet, C.E.A. Grigorescu
7.	Determinarea unor elemente din deseuri de plastic si baterii pe baza de plumb utilizand spectrometria de emisie optica in microplasma cuplată capacitiv si vaporizare electrotermica	Zilele Academice Clujene - 2021, Romania, Cluj-Napoca, 21/10/2021	S. B. Angyus, T. Frentiu
8.	Development of a satellite altimeter for the planetary defence program HERA	European Lidar Conference - ELC 2021, Spania, Granada, 18/11/2021	L. Belegante, A. Nemuc, T. Sousa, V. Granadeiro, P. Gordo
9.	Discriminarea și evaluarea modificărilor induse de îmbătrânirea accelerată a vopselelor din arta contemporană prin imagistică hiperspectrală și tehnici complementare asociate	Conferința de conservare - restaurare „Doina Darvaș” ediția a XV-a, Romania, Bucuresti, 04/11/2021	L. Ratoiu, L. Ghervase, I.M. Cortea, V. Atanassova, B. Paladi, L. Constantin
10.	Functionalized carbon nanotubes for chemical sensing: electrochemical detection of hydrogen isotopes	EMRS Spring Meeting 2021, Franta, ON-LINE, 03/06/2021	E.I.Ionete , S.M. Iordache, A.M. Iordache, I. Stamatina, E. Tanasa, V. Barna, I. C.Vasilie, M.Elisa, I. Chilibon, S. Caramizoiu, C.E.A. Grigorescu
11.	HISTOPATHOLOGICAL AND RAMAN SPECTROSCOPY ANALYSIS IN MAMMARY CARCINOMAS OF DOMESTIC CARNIVORES	4th Joint ESVP, ECVP and ESTP Cutting Edge Pathology Congress 2021, Global, Virtual Congress, 16/09/2021	A.M. Pirvu, T. Soare, E. Gagniuc, A.S. Pasca, A.M. Iordache, S.M. Iordache, C.E.A. Grigorescu, M. Militaru
12.	Improving the energy efficiency of wind turbines using hydraulic drives / Îmbunătățirea randamentelor energetice ale turbinelor eoliene folosind acționările hidraulice	ISB-INMA TEH' 2021 International Symposium, Romania, Bucuresti, 29/10/2021	Ionela Baci, Polifron Chiriță, Radu Radoi, Petrin Drumea, Iulian Voicea
13.	INCDO INOE Research Institute for Analytical Instrumentation, Cluj-Napoca	“Driving talented organisations to successful Horizon Europe projects”	O. Cadar

		FIT-4-NMP H2020 project 44th International Semiconductor Conference - CAS 2021, Romania, online, 08/10/2021	
14.	Increasing Accuracy of Laser Doppler Vibrometry Method for Multilayered Objects Conservation Status Control	Sesiunea Științifică Anuală a Facultății de Fizică din București, Romania, Magurele, 18/06/2021	A. Chelmuș
15.	Innovative strategies for bioactive/antibacterial advanced prostheses	The 25th International Exhibition of Inventions "INVENTICA 2021" Iași, România, Romania, Măgurele online, 23/06/2021	A.Vladescu
16.	Installation for the production of thermal energy with biomass gasification / Instalație pentru producerea energiei termice cu gazeificarea biomasei	ISB-INMA TEH' 2021 International Symposium, Romania, Bucuresti, 29/10/2021	Catalin Dumitrescu, Radu Radoi, Ioan Pavel, Gheorghe Sovaiala, Valeriu Dulgheru, Iuliana Gageanu
17.	MARS: the First Romanian Pollen Dataset using a Rapid-E Particle Analyzer	TSP - 44th International Conference on Telecommunications and Signal Processing, Cehia, Brno, 27/07/2021	M. Boldeanu, C. Marin, D. Ene, L. Marmureanu, H. Cucu, C. Burileanu
18.	Method for determination of sulfur content: Analytical characterization and application to acid mine drainage water samples	13th International Conference Processes in Isotopes and Molecules (PIM), Romania, Cluj- Napoca, 22/09/2021	S. B. Angyus, M. Senila, M. Ponta, T. Frentiu
19.	Monitoring the degradation and contamination levels of hydraulic gear pumps	10th International Conference on Tribology BALKANTRIB '20, Serbia, Belgrad, 21/05/2021	Alexandru Daniel Marinescu, Alexandru Valentin Rădulescu, Irina Rădulescu, Ana-Maria Carla Popescu, Ștefan-Mihai Șefu
20.	Optimizing consumption in agricultural machines and installations by using digital hydraulics / Optimizarea consumului in mașinile și instalațiile agricole prin utilizarea hidraulicii digitale	ISB-INMA TEH' 2021 International Symposium, Romania, Bucuresti, 29/10/2021	Stefan Sefu, Bogdan Tudor, Radu Radoi, Ioan Balan, Mario Cristea
21.	Ordering of conjugated polymers in thin films	International Congress "By promotion excellence we prepare the future" section - Advanced Materials in Modern Medicine, Romania, Iasi,	O. Todor-Boer, I. Petrovai, R. Tarcan, L. David, I. Botiz

		03/03/2021	
22.	Overview of the WASTE project's main task and Romanian contribution	Science for environment and climate in Romania - Workshop, Romania, Magurele, 22/04/2021	C.A. Marin
23.	Pilot provision of EARLINET/ACTRIS lidar profiles to CAMS	EGU General Assembly 2021, Germania, online, 30/04/2021	L. Mona, G. D'Amico, S. Gagliardi, F. Amato, A. Amodeo, S. Ciamprone, B. De Rosa, E. Ripepi, D. Summa, L. Alados-Arboledas, V. Amiridis, H. Baars, M. Kompula, I. Mattis, D. Nicolae, C. Pietras, I.S. Stachlewska, V.H. Peuch
24.	Preliminary study of the pectoral from Golyama Kosmatka tumulus	Scientific Conference INFRAMAT 2021 - Research Infrastructure in Support of Science, Technology and Culture, Bulgaria, Pravet, 08/09/2021	P. Penkova, M. Dinu, L. Ratoiu, A. Chelms, L. Angheluta, V. Atanassova
25.	Quantification of black carbon anthropogenic changes over Bucharest during COVID-19 lock-down based on similarity of aerosol transport patterns	European Aerosol Conference - EAC 2021, Regatul Unit al Marii Britanii, Birmingham, 03/09/2021	C. Talianu, J. Vasilescu, L. Marmureanu, L. Belegante
26.	Reconstrucția digitală a unor picturi acoperite, realizate de Hans Mattis Teutsch, utilizând tehnici imagistice și spectroscopice coroborate	Conferința de conservare - restaurare „Doina Darvaș” ediția a XV-a, Romania, Bucuresti, 04/11/2021	L. Ratoiu, L. Angheluta, A. Chelms, L. Ghervase, I.M. Cortea, R. Radvan
27.	Reducing the consumption of raw materials through predictive maintenance and component remanufacturing of fluid power equipment / Reducerea consumului de materii prime prin mentenanță predictivă și remanufacturarea componentelor hidraulice	ISB-INMA TEH' 2021 International Symposium, Romania, Bucuresti, 29/10/2021	Radu Radoi, Catalin Dumitrescu, Stefan Sefu, Bogdan Tudor, Dragos Anghelache
28.	Romanian Atmospheric 3D research Observatory (RADO)	ATMO-ACCESS Kick-Off Meeting, Franta, Online, 12/05/2021	D. Nicolae
29.	Solar energy utilization in Romanian agriculture	5th International Conference on Agriculture - V. AGROPODIUM - Agricultural science in everyday life science in	O. Todor-Boer

		agriculture , Ungaria, Nyiregyhaza, 23/11/2021	
30.	Study of macrophysical and microphysical characteristics of stratocumulus clouds over a site in southern Romania	Bucharest University Faculty of Physics 2021 Meeting, Romania, Magurele, 18/06/2021	G.L. Saftoiu (Golea), B. Antonescu, S. Stefan, G. Iorga
31.	The benefits of recovering metals from mining waste. Case of Romania	VII International Conference Young Researchers' Innovative Ideas: Science Start-Ups Industry, Polonia, Krakow, 27/05/2021	J. Kulczycka, E. Dziobek, L. Lelek, E. A. Levei
32.	The characteristics of planetary boundary layer over Magurele, Romania investigated using a synergy between Doppler wind lidar and radiometer	European Lidar Conference - ELC 2021, Spania, Granada, 18/11/2021	R. Pirloaga, F. Toanca, S. Andrei, C. Marin, D. Ene, B. Antonescu, D. Nicolae
33.	The evidence of microplastics in karstic spring waters and their characterization using Raman Spectroscopy	13th International Conference Processes in Isotopes and Molecules (PIM), Romania, Cluj- Napoca, 22/09/2021	I. Nesterovschi, I. Marica, E. A. Levei, S. B. Angyus, O. T. Moldovan, S. Cîntă Pînzaru
34.	The Joint Aeolus Tropical Atlantic Campaign First Results for Aeolus Calibration/Validation and Science in the Tropics	ATMOS 2021, Italia, Online, 25/11/2021	G. Skofronick-Jackson, T. Fehr, D. Althausen, V. Amiridis, H. Baars, J. von Bismarck, M. Borne, T. Casal, Q. Cazenave, S. Chen, R. Engelmann, C. Flamant, M. Gaetani, A. Geiß, S. Gómez Maqueo Anaya, P. Knipperz, P. Kollias, R. Koopman, T. Krisna, C. Lemmerz, O. Lux, E. Marinou, U. Marksteiner, G. Močnik, A. Nemuc, T. Parrinello, P. Paschou, A. Piña, R. Pirloaga, S. Rahm, O. Reitebuch, A. Schäfler, N. Siomos, A. Skupin, A.G. Straume, V.D. Tran, P. Vaziri, U. Wandinger, T. Wehr, F. Weiler, D. Wernham, B. Witschas, C. Zenk
35.	TNA Pilots for International Stakeholders	ATMO-ACCESS Stakeholder Workshop, Finlanda, Online, 27/10/2021	D. Nicolae
36.	True or false: A Taskin Harpsichord	International conference -	L. Ghervase, I.M. Cortea, L.

	with Ruckers Features	Authentic, Fake or Mistaken Identity? Creation, Recreation, Deception and Forgery in Music, Slovenia, Ljubljana, 21/10/2021	Ratoiu, M. Dinu, R. Radvan
37.	Turbulence detection using lidar and wind profilers	Bucharest University Faculty of Physics 2021 Meeting, Romania, Magurele, 18/06/2021	R. Pirloaga, L. Belegante, S. Stefan, A. Radu
38.	Use of small-sized electrothermal vaporization capacitively coupled plasma microtorch optical emission spectrometry for direct liquid microsampling and determination of vapor generating elements in environmental samples	Young Researchers' International Conference on Chemistry and Chemical Engineering (YRICCE III), Romania, Cluj-Napoca, 05/06/2021	S. B. Angyus, E. Covaci, T. Frentiu
39.	Using a life cycle assessment approach to apply the circular economy principles to vineyards in rural areas	20th International Conference Life Sciences for Sustainable Development, Romania, Cluj-Napoca, 23/09/2021	E. Kovacs, M. A. Hoaghia, L. Senila, C. Roman, D. E. Dumitras
40.	Using CFD to improve the performance of a heat exchanger from a gasifier	10th International Conference on Thermal Equipment, Renewable Energy and Rural Development TE-RE-RD 2021, Romania, Bucuresti, 11/06/2021	Liliana Dumitrescu, Edmond Maican, Ioan Pavel, Cătălin Dumitrescu, Iuliana Găgeanu, Andrei Pătruț
41.	Zinc-boro-phosphate glasses doped with graphene oxide	CONSILOX XIII, Romania, Alba Iulia, 02/10/2021	Bogdan Alexandru Sava, Lucica Boroica, Ana Violeta Filip, Marius Cătălin Dincă, Ileana Cristina Vasiliu, Mihail Elisa, Ana Maria Iordache, Alexandra Maria Isabel Trefilov, Marius Dumitru, Oana Gherasim, Cătălin Luculescu, Anton Moldovan, Andreea Matei, Nicolae Țigău
42.	Investigation of sputtered CaP coatings doped with Mg	3rd Coatings and Interfaces Conference – CIC2021, Romania, Magurele, 02/10/2021	Dinu Mihaela; Pana Iulian; Vladescu Alina; Cotrut Cosmin Mihai
Comuncări poster			
1.	A novel high pressure liquid chromatographic method for the determination of vitamin D3 in	XXI EUROFOODCHEM Conference, Serbia,	A. Becze, V. Babalau-Fuss, E.A. Levei, O. Cadar

	simulated human gastrointestinal tract	Belgrad, 23/11/2021	
2.	A perspective of the geochemical characterization of groundwater sources in the central part of Romania	Agriculture and Food - current and future challenges, AGRIFA, Romania, Cluj-Napoca, 08/10/2021	M. A. Hoaghia, O. Cadar, E. Neag, C. Roman, M. Senila, I. Torok, E. Kovacs
3.	A simple high performance liquid chromatographic method for the determination of glucosamine used in the treatment of periodontal disease	XXI EUROFOODCHEM Conference, Serbia, Belgrad, 23/11/2021	D.A. Scurtu, E. Kovacs, L. Senila, C. Roman, O. Cadar
4.	Addressing antibiotic resistance in groundwater by pathogen monitoring and 16S rDNA amplicon sequencing	Simpozionul Biodiversitate, Tradiții și Actualitate (BioTA 2021) , Romania, Cluj-Napoca, 19/11/2021	E. Szekeres, A. Baricz, Banciu, A. Cristea, E. Levei, T. Brad, M. Kenesz, I. C. Mirea, R. Arghir, A. Petculescu, O. Moldovan, H.L. Banciu,
5.	Advanced analytical investigation of ancient wall-painting fragments discovered in the Roman Baths from Alburnus Maior	11th International Conference on Advanced Vibrational Spectroscopy (ICAVS 11), Polonia, Cracovia, 23/08/2021	I.M. Cortea, L. Ghervase, L. Ratoiu, O. Țentea
6.	Advanced Sol-Gel IV-VI Quantum Dots-Doped Inorganic Thin Films for Temperature Sensing Instrumentation	ic-cmtp6 the 6th International Conference on Competitive Materials and Technology Processes, Ungaria, Miskolc-Lillafüred, 06/10/2021	M. Elisa, C. R. Stefan, I. C. Vasiliu, C. Elosua Aguado, F. J. Arregui, D. Ulieru, X. Vila, J. Caridad Hernández, M. Á. Casanova González, J. F. De Paz Santana, I. Pana, M. Enculescu
7.	Advanced Sol-Gel IV-VI quantum dots-doped inorganic thin films for temperature sensing instrumentation	CONSILOX XIII, Romania, Alba Iulia, 02/10/2021	Mihail Elisa, Ileana Cristina Vasiliu, Stefan Marian Iordache, Ana Maria Iordache, Iulian Pana, Monica Enculescu, Cesar Elosua Aguado, Fernando Javier Arregui, Dumitru Ulieru, Xavier Vila, Javier Caridad Hernández, Miguel Ángel Casanova González, Juan Francisco de Paz Santana
8.	Aerosol layer identification and segmentation from lidar and ceilometer profiles using unsupervised deep learning	European Lidar Conference - ELC 2021, Spania, Granada, 17/11/2021	M. Boldeanu, C. Manolache, H. Cucu, C. Burileanu, C. Talianu
9.	Air filtration system of safety cabinet, SAFE, for collecting	Agriculture and Food - current and future	M. Roman, F. Puskas, L. Dordai, E. Kovacs, C.

	biological specimens with airborne pathogens – construction principles	challenges, AGRIFA, Romania, Cluj-Napoca, 08/10/2021	Roman
10.	Algorithm to determine the aerosol pollution layers from ceilometer profiles	European Lidar Conference - ELC 2021, Spain, Granada, 16/11/2021	Mariana Adam, Mihai Boldeanu, Victor Andrei Nicolae
11.	An integrated approach for the validation of Sentinel-5P with annual observation	EGU General Assembly 2021, Germany, online, 30/04/2021	D. Ene, J. Vasilescu, M. Boldeanu, A. Calcan, M. Ardelean, D. Constantin, A. Merlaud, D. Schüttemeyer
12.	Biodistribution of Gold in Mice Tissues with Gold Nanostructured Compound Administration	NanoMedicine International Conference 2021, Italy, Milano, 23/10/2021	O. Cadar, M. Senila, A.I. Torok, T. Moca
13.	Characterization of materials resulted from spent automotive catalysts using spectrometric techniques	NanoMedicine International Conference 2021, Italy, Milano, 22/10/2021	M. Senila, O. Cadar, S. Böringer, K. Seaudeau-Pirouley, P. Lacroix-Desmazes
14.	Chemical characterization of Prunus spinosa leaves	Agriculture and Food - current and future challenges, AGRIFA, Romania, Cluj-Napoca, 08/10/2021	V. Băbălău Fuss, D. Scurtu, L. Senilă, A. Moldovan, A. Becze
15.	Combustion test equipment in low power TLUD gasifiers / Echipament de testare a arderii in gazogenele tip TLUD de putere mica	ISB-INMA TEH' 2021 International Symposium, Romania, București, 29/10/2021	Ioan Pavel, Alexandru-Polifron Chirita, Gabriela Matache, Ana-Maria Popescu, Ioan Caba
16.	Compozite din sticle boro-plumbo-fosfatice dopate și nanocarbon și procedeu de obținere a acestora	Salonul Inovarii si Cercetarii UGAL INVENT, 2021, Romania, Galati, 11/11/2021	Sava Bogdan Alexandru, Boroica Lucica, Filip Ana Violeta, Vasiliu Ileana Cristina, Elisa Mihail, Iordache Ana Maria
17.	Compozite din sticle boro-plumbo-fosfatice dopate și nanocarbon și procedeu de obținere a acestora	INFOINVENT 2021, Moldova, Chisinau, 18/11/2021	Sava Bogdan Alexandru, Boroica Lucica, Filip Ana Violeta, Vasiliu Ileana Cristina, Elisa Mihail, Iordache Ana Maria
18.	Copper-based transparent heat reflecting plasma coatings for energy saving applications	19th INTERNATIONAL CONFERENCE ON PLASMA PHYSICS AND APPLICATIONS, Romania, Măgurele, 03/09/2021	I. Pana, L.C. Constantin, A.C. Parau, A. Kiss, A. Vladescu, C. Vitelaru
19.	Corrosion control of magnesium alloys using Mg doped hydroxyapatite based coating	3rd Coatings and Interfaces Conference – CIC2021, Romania, Măgurele online,	G.Juravlea, A.Vladescu, A.C.Parau, D.M.Vranceanu

		24/11/2021	
20.	Determination of glucosamine hydrochloride used for treatment of periodontal disease by high performance liquid chromatography	NanoMedicine International Conference 2021, Italia, Milano, 22/10/2021	D.A. Scurtu, O. Cadar, E. Kovacs, L. Senila, C. Roman
21.	Determination of meat adulteration – a review	Agriculture and Food - current and future challenges, AGRIFA, Romania, Cluj-Napoca, 08/10/2021	A. Becze, V. Babalau Fuss, D. Simedru
22.	Determination of trace amounts of silver in various simulated biological fluids by graphite furnace atomic absorption spectrometry	NanoMedicine International Conference 2021, Italia, Milano, 22/10/2021	O. Cadar, D. Scurtu, A.M. Hoaghia and A. Ilea
23.	Development and validation of a spectrometric method for the evaluation of biodistribution of gold nanoparticles	NanoMedicine International Conference 2021, Italia, Milano, 22/10/2021	A.I. Torok, C. Tanaselia, T. Mocan, O. Cadar
24.	Doped boro-lead-phosphate glass and nanocarbon composites and method for obtaining them	Salonul International al Cercetarii Stiintifice, Inovarii si Inventicii ProInvent, 2021, Romania, Cluj-Napoca, 21/10/2021	Sava Bogdan Alexandru, Boroica Lucica, Filip Ana Violeta, Vasiliu Ileana Cristina, Elisa Mihail, Iordache Ana Maria
25.	Dye removal from wastewater by using natural zeolite	Agriculture and Food - current and future challenges, AGRIFA, Romania, Cluj-Napoca, 08/10/2021	L. Senila, D. Scurtu, E. Neag, O. Cadar, A. Becze, C. H. Tomoiag, M. Senila
26.	Ecological interactions inferred from metagenomic analysis of Movile Cave sediments	Simpozionul Biodiversitate, Traditii si Actualitate (BioTA 2021) , Romania, Cluj-Napoca, 19/11/2021	I. Chiciudean, G. Russo, D.F. Bogdan, E.A. Levei, L. Faur, O.T. Moldovan, H.L. Banciu
27.	Ecological product design / Proiectarea ecologica a produselor	ISB-INMA TEH' 2021 International Symposium, Romania, București, 29/10/2021	Valeriu Dulgheru, Catalin Dumitrescu, Ana-Maria Popescu, Marinela Mateescu
28.	Economic efficiency of a carrot crop in irrigation-non-irrigation conditions	Agriculture and Food - current and future challenges, AGRIFA, Romania, Cluj-Napoca, 08/10/2021	L. Dordai, A. Becze, D. Simedru, M. Roman
29.	E-Tongue Based on Metallo-Porphyrins for Histamine Evaluation	"Retaste: Rethink Food Waste" 2021, Grecia, Atena, 07/05/2021	A.-M. IORDACHE, S.M. IORDACHE, V. BARNĂ, M. ELISA, I.C. VASILIU, R. STEFAN, I. CHILIBON, I.

			STAMATIN, S. CARAMIZOIU, C.E.A. GRIGORESCU
30.	Excitation and photoluminescence peculiarities of rare-earth-doped alumino-phosphates glasses	CONSILOX XIII, Romania, Alba Iulia, 02/10/2021	Mihail Elisa, Ileana Cristina Vasiliu, Ștefan Marian Iordache, Ana Maria Iordache, Bogdan Alexandru Sava, Lucica Boroica, Anatolijs Sarakovskis, Uldis Rogulis, Meldra Kemere
31.	Filme pe bază de oxid de titan (TiO ₂) și fosfor (P ₂ O ₅) modificate cu oxid de grafenă redus (rGO) cu proprietăți fotocatalitice controlabile și procedeu de obținere a acestora	Salonul Inovării și Cercetării UGAL INVENT, 2021, Romania, Galați, 11/11/2021	Vasiliu Ileana Cristina, Iordache Ana Maria, Elisa Mihail, Pana Iulian, Sava Bogdan Alexandru, Boroica Lucica, Filip Ana Violeta
32.	Filme pe bază de oxid de titan (TiO ₂) și fosfor (P ₂ O ₅) modificate cu oxid de grafenă redus (rGO) cu proprietăți fotocatalitice controlabile și procedeu de obținere a acestora	INFOINVENT 2021, Moldova, Chișinău, 18/11/2021	Vasiliu Ileana Cristina, Iordache Ana Maria, Elisa Mihail, Pana Iulian, Sava Bogdan Alexandru, Boroica Lucica, Filip Ana Violeta
33.	Films based on titanium (TiO ₂) and phosphorus (P ₂ O ₅) oxides modified with reduced graphene oxide (rGO) with controllable photocatalytic properties and process to obtain them	Salonul Internațional al Cercetării Științifice, Inovării și Inventicii ProInvent, 2021, Romania, Cluj-Napoca, 21/10/2021	Ileana Cristina Vasiliu, Ana Maria Iordache, Mihail Elisa, Iulian Pana Bogdan Alexandru Sava, Lucica Boroica, Ana Violeta Filip
34.	Intelligent drive installation for biomass conveyor / Instalatie de actionare inteligenta pentru transportor de biomasa	ISB-INMA TEH' 2021 International Symposium, Romania, București, 29/10/2021	Valentin Barbu, Gabriela Matache, Ioan Pavel, Mihai Ionel, Mihai Olan
35.	Internet data acquisition system for a safety cabinet for collection of specimens with airborne pathogens	Agriculture and Food - current and future challenges, AGRIFA, Romania, Cluj-Napoca, 08/10/2021	F. Puskas, M. Roman, L. Dordai, A. Moldovan, C. Roman
36.	Li uptake, accumulation and effect on Salvinia natans macrophytes metabolism	13th International Conference Processes in Isotopes and Molecules (PIM), Romania, Cluj-Napoca, 22/09/2021	I. Torok, A. Moldovan, E. A. Levei, O. Cadar, A. Becze, E. Neag
37.	Lidar-photometer combined retrieval of the aerosol layer types	European Lidar Conference - ELC 2021, Spania, Granada, 16/11/2021	D. Nicolae, J. Vasilescu, C. Talianu, M. Boldeanu, V. Nicolae, I. Biniotoglou
38.	Life cycle thinking – the use of life	Agriculture and Food -	E. Kovacs, L. Senila, D. A.

	cycle, assessment in EU policies	current and future challenges, AGRIFA, Romania, Cluj-Napoca, 08/10/2021	Scurtu, D.E. Dumitras, C. Roman, M. A. Hoaghia
39.	Materiale vitroase fosfato-teluritice cu proprietăți magnetice și magneto-optice, pentru rotatori Faraday și procedeul de obținere a acestora	Salonul Inovarii si Cercetarii UGAL INVENT, 2021, Romania, Galati, 11/11/2021	Elisa Mihail, Iordache Stefan Marian, Sava Bogdan Alexandru, Boroica Lucica, Kuncser Victor, Galca Aurelian Catalin
40.	Materiale vitroase fosfato-teluritice cu proprietăți magnetice și magneto-optice, pentru rotatori Faraday și procedeul de obținere a acestora	INFOINVENT 2021, Moldova, Chisinau, 18/11/2021	Elisa Mihail, Iordache Stefan Marian, Sava Bogdan Alexandru, Boroica Lucica, Kuncser Victor, Galca Aurelian Catalin
41.	Metal removal from mining-impacted water by a green technology using <i>Salvinia natans</i>	13th International Conference Processes in Isotopes and Molecules (PIM) , Romania, Cluj-Napoca, 22/09/2021	A. Moldovan, A. I. Torok, E. Neag
42.	Metalloporphyrin-based sensor with double working electrodes for rapid electrochemical evaluation of histamine in meat samples	EMRS Spring Meeting 2021, Franta, ON-LINE, 02/06/2021	A.-M. IORDACHE, S.M. IORDACHE, V. BARNA, M. ELISA, I.C. VASILIU, R. STEFAN, I.CHILIBON, I. STAMATIN, S. CARAMIZOIU, C.E.A. GRIGORESCU
43.	Metalloporphyrins as chemical sensors for food freshness assessment	13th International Conference on Physics of Advanced Materials, Spania, Sant Feliu de Guixols, 28/09/2021	A.-M. IORDACHE, S.M. IORDACHE, V. BARNA, M. ELISA, I.C. VASILIU, I.CHILIBON, I. STAMATIN, S. CARAMIZOIU, C.E.A. GRIGORESCU
44.	Method for determination of Ba and Sr in natural zeolites by inductively coupled plasma optical emission spectrometry	Agriculture and Food - current and future challenges, AGRIFA, Romania, Cluj-Napoca, 08/10/2021	M. Senila, O. Cadar, L. Senila, A. Becze, M. Roman, B. Angyus, G. Bruj
45.	Method for determination of exchangeable cations in natural zeolites using inductively coupled plasma optical emission spectrometry	Agriculture and Food - current and future challenges, AGRIFA, Romania, Cluj-Napoca, 08/10/2021	M. Senila, O. Cadar, M.A. Hoaghia, Z. Dinca, L. Senila, I. Aschilean, C. Roman
46.	Microclimate greenhouse monitoring system using Arduino and sensors based on functionalized graphene	EMRS Spring Meeting 2021, Franta, ON-LINE, 31/05/2021	S.-M. IORDACHE, A.-M. IORDACHE, V. BARNA, R. STEFAN, S. CARAMIZOIU, C.E.A. GRIGORESCU
47.	Mine drainage treatment using <i>Scenedesmus</i> spp., <i>Chlorella</i> spp.	13th International Conference Processes in	Z. Dinca, A. Moldovan, A. I. Torok, E. Neag

	And Anabaena spp. microalgae	Isotopes and Molecules (PIM), Romania, Cluj-Napoca, 22/09/2021	
48.	Mixing state and variability of NR-PM1 aerosols over a South East Europe site	European Aerosol Conference - EAC 2021, Regatul Unit al Marii Britanii, online, 02/09/2021	Jeni Georgeta Vasilescu
49.	Multispectral analysis using 3D printed integrating sphere for use in greenhouses and food safety	EMRS Spring Meeting 2021, Franta, ON-LINE, 31/05/2021	S. CARAMIZOIU, S.M. IORDACHE, A.-M. IORDACHE, V. BARNA, R. STEFAN, I. STAMATIN, C.E.A. GRIGORESCU
50.	Natural and eco-friendly material for the removal of metals from surface and wastewaters	Agriculture and Food - current and future challenges, AGRIFA, Romania, Cluj-Napoca, 08/10/2021	A. Moldovan, A.I. Torok, M. Roman, E. Levei, O. Cadar, V. Babalau-Fuss, M. Senila, V. Micle
51.	Novel sol-gel IV-VI-doped inorganic thin films for temperature detection	EUROMAT 2021, Global, VIRTUAL, 15/09/2021	M. Elisa, C. R. Stefan, I. C. Vasiliu, C. Elosua Aguado, F. J. Arregui, D. Ulieru, X. Vila, J. Caridad Hernanández, M. Á. Casanova González, J. F. de Paz Santana, M. Enculescu
52.	Optimization of microwave-assisted digestion prior plasma-based spectrometric techniques for the tissue distribution of gold	XXI EUROFOODCHEM Conference, Serbia, Belgrad, 23/11/2021	O. Cadar, T. Mocan, A.I. Torok
53.	Ozone Profile Analysis with Umkehr measurements and Satellite Validation for selected Brewer and Dobson spectrophotometers	ATMOS 2021, Italia, Online, 23/11/2021	K. Garane, M. Koukouli, K. Fragkos, K. Miyagawa, P. Fountoukidis, D. Balis, I. Petropavlovskikh, A. Bais
54.	Phosphate-tellurite vitreous materials with magnetic and magneto-optical properties, for Faraday rotators and the process for obtaining them	The 25th International Exhibition of Inventics "INVENTICA 2021", Romania, Iasi, 24/06/2021	Elisa Mihail, Iordache Stefan Marian, Sava Bogdan Alexandru, Boroica Lucica, Kuncser Victor, Galca Aurelian Catalin
55.	Phosphate-tellurite vitreous materials with magnetic and magneto-optical properties, for Faraday rotators and the process for obtaining them	Salonul International al Cercetarii Stiintifice, Inovarii si Inventicii ProInvent, 2021, Romania, Cluj-Napoca, 21/10/2021	Elisa Mihail, Iordache Stefan Marian, Sava Bogdan Alexandru, Boroica Lucica, Kuncser Victor, Galca Aurelian Catalin
56.	Photoinduced refractive index in amorphous arsenic selenide film for optical memory based on surface plasmonic resonance	5th International Conference POLCOM 2021, Romania, Bucuresti, 24/11/2021	A. Popescu, S. Miclos, G. Vasile, Dan Savastru, M. Stafe, C. Negutu, V. Savu, N. Puscas

57.	Portable X-ray fluorescence spectrometry for the major elements determination in silicate geological samples	Agriculture and Food - current and future challenges, AGRIFA, Romania, Cluj-Napoca, 08/10/2021	M. Senila, C. Tănăselia, A. I. Török, C. Roman, F. Puskas
58.	Possibilities of application of potassium bicarbonate as a fungicide to control cucumbers powdery mildew in organic agriculture	Agriculture and Food - current and future challenges" AGRIFA, Romania, Cluj-Napoca, 08/10/2021	T. Stratulat, O. Cadar, A. Popa, A. Gusan
59.	Potential of coltsfoot for biomonitoring metal polluted soils	13th International Conference Processes in Isotopes and Molecules (PIM), Romania, Cluj-Napoca, 22/09/2021	L. Levei, E. Kovacs, M. A. Hoaghia, A. Moldovan, O. Cadar, E. A. Levei, A. Ozunu
60.	Preparation of CaP doped Mg coatings used for biomedical applications,	EMRS Spring Meeting, Romania, Măgurele online, 31/05/2021	A.Vladescu, M. Dinu, C.M.Cotrut, I.Pana
61.	Safety cabinet for collecting specimens contaminated with airborne pathogens	Agriculture and Food - current and future challenges, AGRIFA, Romania, Cluj-Napoca, 08/10/2021	F. Puskas, D. Pislă, B. Gherman, M. Roman, E. Kovacs, C. Roman
62.	Screw conveyer for biomass / Transportor cu snec pentru biomasa	ISB-INMA TEH' 2021 International Symposium, Romania, București, 29/10/2021	Gheorghe Sovaiala, Gabriela Matache, Dragos Preda, Bogdan Duran, Dragos Manea
63.	Sentinel-5p Validation Campaigns – Planned Activities in 2021-2022	EGU General Assembly 2021, Germania, online, 30/04/2021	F. Tack, M. Sha, A. Merlaud, A. Nemuc, D. Schuettmeyer, C. Zehner, M. Van Roozendaal
64.	Silver containing transparent films on polymer substrates for antimicrobial applications	19th INTERNATIONAL CONFERENCE ON PLASMA PHYSICS AND APPLICATIONS, Romania, Măgurele , 31/08/2021	C. Vitelaru, A.C Parau, A.E. Kiss, I. Pana, M. Dinu, L.R Constantin, A. Vladescu, M.Badea, L.E. Tonofrei
65.	Smart optical device for temperature sensing, based on innovative luminescent IV-VI quantum dots-doped complex nanostructured thin films	The 25th International Exhibition of Inventics "INVENTICA 2021", Romania, Iasi, 24/06/2021	M. Elisa, I. C. Vasiliu, C. Elosua Aguado, F. J. Arregui, D. Lopez, D. Ulieru, X. Vila, J. Caridad Hernanández, M. Á. Casanova González, J. F. de Paz Santana, M. Enculescu
66.	Statistics over three years of near real time alert system for tropospheric aerosol pollution using ceilometer, photometer and backtrajectory analysis	European Lidar Conference - ELC 2021, Spain, Granada, 17/11/2021	Mariana Adam, Ioannis Binietoglou, Konstantinos Fragkos

67.	Sticle aluminofosfatice care contin ioni de pamanturi rare, utilizate ca senzori optici, si procedeul de obtinere a acestora	Salonul Inovarii si Cercetarii UGAL INVENT, 2021, Romania, Galati, 11/11/2021	Mihail Elisa, Bogdan Alexandru Sava, Lucica Boroica, Raluca Iordanescu, Ionut Feraru, Mihai Eftimie, Anca Beldiceanu
68.	Streamlining Synergy with Satellite Missions through Trans National Access to Atmospheric Research Infrastructures	ATMOS 2021, Italia, Online, 25/11/2021	D. Nicolae, I.S. Stachlewska, C. Cornacchia, A. Apituley, R.M. Petracca Altieri, U. Wandinger, V. Amiridis, O. Möhler, G. Gargano
69.	Strontium isotopic ratio measurement using inductively coupled plasma mass spectrometry	Agriculture and Food - current and future challenges, AGRIFA, Romania, Cluj-Napoca, 08/10/2021	C. Tanaselia, A. I. Torok
70.	Study of TROPOMI/ALH (Aerosol Layer Height) product over Europe using EARLINET data base and NATALI software	ATMOS 2021, Italia, online, 25/11/2021	A. Nemuc, A. Dandocsi, D. Nicolae, I. Stachlewska, V. Nicolae, J. Vasilescu, A. Ilie, L. Belegante, C. Radu
71.	Tailored Ag doping of hydroxyapatite coatings by HiPIMS: synthesis and characterization	18-th International Conference on Nanosciences & Nanotechnologies (NN21), Grecia, Thessaloniki, 06/07/2021	M. Braic. A. Vladescu. V. Braic. N.C. Zoita. I. Pana. A.C. Parau. M. Fini.
72.	The characteristics of planetary boundary layer over Măgurele, Romania investigated using a synergy between Doppler wind lidar, cloud radar, and radiometer	European Lidar Conference - ELC 2021, Spania, Granada, 16/11/2021	R. Pirloaga, F. Toanca, S. Andrei, C. Marin, D. Ene, B. Antonescu, D. Nicolae
73.	The use of HiPIMS technology for a new generation of heat reflecting copper-based plasma coatings	4TH INTERNATIONAL CONFERENCE PROGRAMME Emerging Technologies in Materials Engineering – EmergeMAT, Romania, Bucuresti-online, 04/11/2021	Iulian PANA, Anca Constantina PARAU, Lidia Ruxandra CONSTANTIN, Mihaela DINU, Adrian Emil KISS, Alina VLADESCU, Catalin VITELARU
74.	TiAlxCrNbY high-entropy alloy thin films deposited by hybrid HiPIMS/DCMS/RFMS co-sputtering	E-MRS Spring Meeting 2021-online, Franta, Strasbourg, 04/06/2021	M. Dinu, I. Pana, A. E. Kiss, L. R. Constantin, X. Almandoz, A. López-Ortega, Arcadie Sobetskii, M. Mondragon, C. E. A. Grigorescu, C. Vitelaru, A-M. Iordache, J. M. Izurategi, Arcadii Sobetskii, V. Capatana, C. Bidalach, N. C. Zoita

75.	TiCrCoNiV multicomponent coatings with low concentration of carbon and nitrogen deposited by hybrid HiPIMS/DCMS/RFMS technique	E-MRS Spring Meeting 2021-online, Franta, Strasbourg, 04/06/2021	N. C. Zoita, M. Dinu, I. Pana, A. E. Kiss, L. R. Constantin, X. Almandoz, A. López-Ortega, Arcadie Sobetskii, M. Mondragon, C. E. A. Grigorescu, C. Vitelaru, A-M. Iordache, J. M. Izurategi, Arcadii Sobetskii, V. Capatana, C. Bidalach,
76.	Umkehr Ozone Profile Analysis and Satellite Validation for selected Brewer and Dobson spectrophotometers	Quadrennial Ozone Symposium 2021, Japonia, Online, 09/10/2021	K. Garane, M. Koukouli, K. Fragkos, K. Miyagawa, P. Fountoukidis, I. Petropavlovskikh, D. Balis, A. Bais
77.	Updates on biomass burning in relationship with vegetation type	European Lidar Conference - ELC 2021, Spania, Granada, 18/11/2021	M. Adam, K. Fragkos, S. Solomos, L. Belegante, D. Ene, V. Nicolae, L. Janicka, V. Amiridis
78.	Using the COLlaborative Carbon Column Observing Network for validating space borne GHG sensors	International Workshop on Greenhouse Gas Measurements from Space - IWGGMS17, Statele Unite ale Americii, online, 14/06/2021	M.K. Sha, B. Langerock, M. Kiel, D. Dubravica, F. Hase, T. Borsdorff, A. Lorente, M. De Mazière, C. Alberti, S. Ars, C.A. Bauer Aquino, B.C. Baier, D. Balis, C. Bes, E. Blandin, T. Blumenstock, H. Boesch, A. Butz, J. Chen, A. Dandocsi, A. Dehn, F. Dietrich, J. Franklin, M. Frey, S. Jeong, I. Morino, T. Newberger, O.E. García, E. Gottlieb, M. Grutter, P. Heikkinen, N. Humpage, N. Jacobs, R. Kivi, M. Lopez, E. Marais, M. Mermigkas, A. Nemuc, N. Pak, M. Pathakoti, M. Ramonet, S. Roche, A.N. Röhling, H. Ohyama, G.B. Osterman, H. Park, D. Pollard, V.K. Sagar, M.V.R.S. Sai, K.A. da Silva, D. Schuettemeyer, W. Simpson, W. Stremme, N. Taquet, Y. Té, Q. Tu, F. Vogel, D. Wunch
79.	Zinc and phosphor oxides films modified with reduced graphene oxide with controllable fluorescent properties and process to obtain them	The 25th International Exhibition of Inventics "INVENTICA 2021", Romania, Iasi, 24/06/2021	Ileana Cristina Vasiliu, Ana Maria Iordache, Mihail Elisa, Irinela Chilibon, Cristiana Eugenia Ana Grigorescu, Iordache Stefan

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