

ANEXA 11 Comunicări științifice

Nr. Crt.	TITLUL	EVENIMENT	AUTORI
Comunicări invitate			
1.	Development of an Ag@Au core/shell system as label-free SERS investigation tool for malignant/non-malignant cells assessment	E-MRS 2023 Spring Meeting – May 29 - June 2 2023, Congress & Exhibition Centre – Strasbourg, France, Franta, Strasbourg, 02/06/2023	S.M. Iordache, A.M. Iordache, C.N. Zoita, I.C. Vasiliu, M. Elisa, I. Chilibon, C. Rizea, A. Mazlum, C.E.A. Grigorescu
2.	Four Layers Surface Plasmonic Resonance Structures with Amorphous Chalcogenide Thin Films Waveguides	Conferința internațională OPTICSMEET2023, Belgia, Bruxelles, 15/05/2023	Popescu A.A., Savastru D.
3.	Optoelectronics sustainability in Heritage Science	Emerging Technology and Innovation for the Conservation of Cultural Heritage ETICCH 2023, Sibiu, 26-27.09.2023, Romania, Sibiu, 31/10/2023	M. Dinu
4.	TRANSPARENT ULTRATHIN METALLIC FILMS BY HIPIMS PROCESS-APPLICATIONS AND PERSPECTIVES	21th International Balkan Workshop on Applied Physics and Materials Science Constanta, Romania 11-14 July 2023, Romania, Constanta, 13/07/2023	Catalin Vitelar, Anca C. Parau, Adrian E. Kiss, Iulian Pana, Mihaela Dinu, Lidia R. Con-stantin, Alina Vladescu(Dragomir), Lavinia E. Tonofrei, Cristina S. Adochite, Sarah Costinas3 Liliana Rogoz, Marius Moga, Mihaela E. Idomir, Mihaela Badea
5.	Wear and corrosion properties of Ti based carbo-nitrides obtained by cathodic arc evaporation	The 10th Global Conference on Polymer and Composite Materials (PCM 2023) October 27-30, 2023 Shenzhen, China, China, Shenzhen-online, 28/10/2023	Alina Vladescu (Dragomir)*, Anca C.Parau, Lidia R.Constantin, and Mihaela Dinu
6.	ZrCuCa based thin films for medical proposes	The 10th Global Conference on Polymer and Composite Materials (PCM 2023) October 27-30, 2023 Shenzhen, China, China, Shenzhen-online, 28/10/2023	Alina Vladescu (Dragomir)*, Anca C.Parau, Catalin Vitelar, and Mihaela Dinu
1.	A leap towards cultural heritage secrets	Sesiunea Științifică Anuală a Facultății de Fizică a Universității din București, Romania, Măgurele,	Valentin Drăguț, Lucian Ratoiu

		26/05/2023	
2.	Access to research infrastructures: a resource in growing use by the space agencies	European Lidar Conference 2023, Romania, Cluj-Napoca, 13/09/2023	D. Nicolae
3.	Activitati stiintifice departament Teledetectie	Scoala de Vara de Stiinta si tehnologie de la Magurele, Romania, Magurele, 01/09/2023	Toanca Florica
4.	Advanced water purification system - Contribution to the development and promotion of Romanian cultural and natural heritage	ISB-INMA TEH' 2023 International Symposium, Romania, Bucuresti, 06/10/2023	Adriana Mariana Bors, Stefan Toma, Liliana Dumitrescu, Stefan-Mihai Sefu, Gabriel Nae
5.	Aerosol climatology – from aerosol remote sensing measurements, models and deep learning	Workshop on recent advancements in remote sensing and modeling of aerosols, clouds and surfaces, Franta, Lille, 24/05/2023	Camelia Talianu, Doina Nicoleta Nicolae, Victor Andrei Nicolae
6.	Air Pollution and Climate Variability Impacts on Urban Vegetation in Bucharest by Time Series Satellite and In-Situ Data	Conferinta Internationala Mediterranean Geosciences Union MedGU-23, Turcia, Istanbul, 30/11/2023	Dan Savastru, M. Zoran, R. Savastru, M. Tautan, D. Tenciu
7.	Air pollution concentration maps in Bucharest using mobile measurements strategy	European Aerosol Conference 2023, Spania, Malaga, 05/09/2023	Vasilescu J., Nicolae D., Talianu C., Ilie A., Dandocsi A. V., Corbu M., Scarlat A., Alexandru T., Tudose O. G., Cazacu M. M.
8.	Analysis of a high-power laser thermal phenomena induced onto a composite made uav/drone in flight	ICCS26 - 26th International Conference on Composite Structures & MECHCOMP8 - 8th International Conference on Mechanics of Composites, Portugalia, Porto, 30/06/2023	Dan Savastru, R. Savastru, M. Tăutan, I. Lăncrănjan
9.	Analysis of PM and carbonaceous aerosol multi-annual trends at the RADO-Bucharest site	Modern approaches of the environment-climate change interconnectivity, 2-nd edition, Romania, Galati, 20/09/2023	Andrei Dandocsi, Jeni Vasilescu, Alexandru Ilie, Doina Nicolae
10.	Analysis of working fluids and the influence of properties on the characteristics of hydraulic drive systems (HDS)	27th International Conference on Hydraulics and Pneumatics HERVEX 2023, Romania, Baile Govora, 09/11/2023	Liliana Dumitrescu, Adriana Bors, Stefan Sefu, Kamil Szeverda
11.	Anomalous radon emission as pre-signal of moderate to strong earthquakes in	Conferinta Internationala RAP 2023, Grecia, Anavyssos,	Dan Savastru, M. Zoran, R. Savastru, M. Tautan

	Vrancea geotectonic active region in Romania	02/06/2023	
12.	ARC and ATLAS: CARS software tools for the data analysis and quality assurance of lidar measurements performed within ACTRIS	EGU General Assembly 2023, Austria, Vienna, 19/04/2023	Nikolaos Siomos, Ioannis Binietoglou, Peristera Paschou, Mariana Adam, Giuseppe D'Amico, Benedikt Gast, Moritz Haarig, and Volker Freudenthaler
13.	ASKOS Campaign 2021/2022: Overview of measurements and applications	Aeolus Science Conference 2023, Grecia, Rodos, 22/05/2023	Marinou, V. Amiridis, P. Paschou, I. Tsikoudi, A. Tsekeri, V. Daskalopoulou, H. Baars, A. Floutsi, D. Kouklaki, R. Pirloaga, A. Nemuc, F. Marengo, M. Kazoudi, E. O'Connor, L. Pfitzenmaier, C. Zenk, C. Ryder, J. Von Bismarck, T. Fehr, and the ASKOS team
14.	Assessment of climate and anthropogenic impacts on the urban forest through derived MODIS satellite biophysical variables	Ninth International Conference on Remote Sensing and Geoinformation of Environment rscy2023, Grecia, Cipru, 05/04/2023	Maria A. Zoran, Roxana S. Savastru, Dan M. Savastru, Marina N. Tautan, Adrian C. Penache
15.	Assessment of climate variability effects on air pollution and COVID-19 dynamics in Bucharest, Romania	16th International Conference on Meteorology, Climatology and Atmospheric Physics –COMECA 2023, Grecia, Atena, 25/09/2023	D.Savastru, M.Zoran, R. Savastru, M. Tautan
16.	Association of air pollution and synoptic weather impacts on COVID-19 transmission in Bucharest through in-situ and geospatial data	Ninth International Conference on Remote Sensing and Geoinformation of Environment rscy2023, Cipru, Cipru, 05/04/2023	Dan Savastru, M. Zoran, R. Savastru, M. Tautan, D. Tenciu
17.	Automated deep learning classification of aerosol layers using remote sensing measurements	European Lidar Conference, Romania, Cluj-Napoca, 14/09/2023	Camelia Talianu, Doina Nicoleta Nicolae, Victor Andrei Nicolae
18.	Biocompatible thin films based on thin metallic glasses used in orthopedy	8th annual edition of International Invention Innovation Competition in Canada, iCAN 2023, 26 AUGUST 2023, Canada, Toronto-online, 26/08/2023	Alina Vladescu (Dragomir), Anca C. Parau, Catalin Vitelaru, Lidia R. Constantin, Iulian Pana, Mihaela Dinu
19.	Biodegradable materials based on hydroxyapatite used for controlling of	Salonul International de Inventii si Inovatii TRAIAN VUIA, 14-18 iunie 2023, Timisoara, Romania,	Alina Vladescu, Anca C.Parau, Cosmin M.Cotrut, Diana

	degradation rate of Mg alloys	Timisoara, 15/06/2023	M.Vranceanu, Adrian E.Kiss
20.	Cal/Val of the EarthCare mission empowered by ACTRIS	ENVIROCLIM-2 Modern approaches of the environment-climate change feedback, Romania, Galati, 20/09/2023	D. Nicolae, L. Belegante, V. Nicolae, G. Ciocan
21.	Centrul Suport PREPARE	Conferinta de final Centru Suport BIONANOTECH , Romania, Iasi - online, 08/06/2023	Toanca Florica
22.	CHM15k ceilometer intercomparison	Actris-E-profile/PROBE meeting, Romania, online, 26/05/2023	Adam M.
23.	Climate effects of aerosols and ²²² Rn on COVID-19 pandemic in Bucharest metropolitan area	Conferinta Internationala RAP 2023, Grecia, Anavyssos, 02/06/2023	M. Zoran, R. Savastu, Dan Savastu, M. Tautan
24.	Comparison of spectral characteristics and in vivo classification of organs in rabbits with hyperspectral imaging	WHISPERS 2023 , Grecia, Atena, 31/10/2023	D Manea, MA Calin
25.	CrSiCN COATINGS WITH ENHANCED MECHANICAL AND ANTICORROSIVE PERFORMANCE FOR WOODWORKING INDUSTRY	The International Symposium "PRIOrities of CHEMistry for a sustainable development" PRIOCHEM XIXth Edition, 11-13 Octombrie 2023, Bucuresti, Romania, Romania, Bucuresti-online, 12/10/2023	Iulian PANA, Anca Constantina PARAU, Mihaela DINU, Diana Maria VRANCEANU, Catalin VITELARU, Alina VLADESCU (DRAGOMIR)
26.	Did the aerosol properties in the lower atmosphere change in the last 5 years? A study in South-East Romania	ENVIROCLIM-2 Modern approaches of the environment-climate change feedback, Romania, Galati, 20/09/2023	Nicolae V., Belegante L., Ciocan G., Nicolae D
27.	Diffusive gradients in thin film and electrothermal vaporization capacitively coupled plasma optical emission spectroscopy method for the evaluation of bioavailable Cu, Zn, Cd and Pb fraction in agricultural soils	4th Young Researchers' International Conference on Chemistry and Chemical Engineering, Ungaria, Debrecen, 03/06/2023	S.B. Angyus, M. Senila, E. Covaci, T. Frentiu
28.	EarthCARE Cal/Val preparation activity in the framework of the European Project ATMO-ACCESS	EARTHCARE science and validation workshop, Italia, Frascati, 17/11/2023	D. Nicolae
29.	Effect of annealing temperature on optical and	E-MRS 2023 Spring Meeting, May 30 – June 1 2023, Strasbourg,	Vitelaru, C., Pana, I., Parau, A.C., Dinu, M.,

	microstructural properties of Cu-based transparent heat reflectors obtained by HiPIMS and RFMS processes	Franta, Franta, Strasbourg, 01/06/2023	Kiss, A.E., Constantin, L.R., Vladescu (Dragomir), A.
30.	Effect of the N2 and C2H2 mass flow rates on the corrosion properties of TiSiCN coatings	5th Edition of International Conference on Materials Science and Engineering – MAT2023, 25-27 september 2023, Valencia, Spania, Spania, Valencia, 26/09/2023	Alina Vladescu (Dragomir), Catalin Vitelaru, Anca C.Parau, Mihaela Dinu
31.	Effects of climate change and urbanization on vegetation phenology in Bucharest metropolitan area	Conferința Internațională EE23, Turcia, Izmir, 31/08/2023	Dan Savastru, M. Zoran, R. Savastru, M. Tautan
32.	Emission factors for PM10 and PAHs from illegal municipal wasteburning in households	EAC 2023, European Aerosol Science Conference 2023, Spania, Malaga, 07/09/2023	B. Jancsek-Turoczi, A. Hoffer, A. Toth, G. Kiss, A. Becze, E.A. Levei, L. Marmureanu, A. Machon, A.Gelencser
33.	Equipment and methodology for detecting clearance in front suspension joints of passenger vehicles by using dynamic acceleration analysis	SIELMEN 2023 - 14th International Conference on Electromechanical and Energy Systems, Moldova, Chisinau, 13/10/2023	Ioan Pavel, Alexandru-Polifron Chirita, Radu-Iulian Radoi, Andrei-Alexandru Benescu, Gheorghe Sovaiala, Ana-Maria Carla Popescu
34.	Exploring Helix pomatia: Transforming Hepatopancreas to High-Value Fish Feed	AGRIAND FOOD - CURRFUTURE CHALLENGES AGRIFA, Romania, Cluj-Napoca, 20/10/2023	G. Muntean, P. A. Uiuu, A. Houssou, D. Cocan, D. Simedru, A. Becze
35.	Exploring with time-series satellite data of multiple stressors effects on urban/periurban vegetation	Ninth International Conference on Remote Sensing and Geoinformation of Environment rscy2023, Grecia, Cipru, 05/04/2023	Maria A. Zoran, Roxana S. Savastru, Dan M. Savastru, Marina N. Tautan, Adrian C. Penache
36.	Five-year analysis of aerosol optical properties and dominant types over Magurele, Romania	Modern approaches of the environment-climate change feedback, Romania, Galati, 20/09/2023	G. Ciocan, A. Nemuc, D. Nicolae
37.	From Waste to Taste: Unlocking Alternative Proteins from Oil Press Biomass	AGRICULTURE AND FOOD - CURRENT AND FUTURE CHALLENGES” AGRIFA, Romania, Cluj-Napoca, 20/10/2023	A. Becze, N. Boyko, A. Konic Ristic, O. Cadar, D. Simedru
38.	Fruit and vegetable drying machine with energy independence	27th International Conference on Hydraulics and Pneumatics HERVEX 2023, Romania, Baile Govora, 09/11/2023	Ioan Pavel, Gheorghe Sovaiala, Gabriela Matache, Valentin Barbu, Kati Pavel, Ana-Maria

			Popescu
39.	FUNCTIONAL PROPERTIES OF SPUTTERED Mg DOPED HYDROXYAPATITE COATINGS DEPOSITED ON AZ31B ALLOY SUBSTRATE	21rd International Balkan Workshop on Applied Physics and Materials Science Constanta, Romania 11-14 July 2023, Romania, Constanta, 12/07/2023	Iulian PANA, Anca Constantina PARAU, Cosmin Mihai COTRUT, Mihaela DINU, Diana Maria VRANCEANU, Adrian Emil KISS, Catalin VITELARU, Alina VLADESCU (DRAGOMIR)
40.	Geospatial and in-situ time series data use for assessment of air pollution impact on COVID-19 pandemic in few European metropolitan areas	16th International Conference on Meteorology, Climatology and Atmospheric Physics –COMECA 2023 , Grecia, Atena, 25/09/2023	M.Zoran, R. Savastru, D.Savastru, M. Tautan
41.	Grating Optic Fiber Sensors Detection of Smart Polymer Composite Delamination	Conf. internațională OPAL' 2023, Portugalia, Funchal (Madeira Island), 17/05/2023	R. Savastru, D. Savastru, M. I. Rusu, M. Tautan, V. Savu, I. I. Lancranjan.
42.	Greenness and whiteness of small-sized electrothermal vaporization capacitively coupled plasma optical emission spectrometry with in-situ diffusive gradients in thin films passive sampling (DGT-SSETV-μCCP-OES)	4th Young Researchers' International Conference on Chemistry and Chemical Engineering (YRICCE IV), Ungaria, Debrecen, 03/06/2023	E. Covaci, B.S. Angyus, M. Senila, M. Frentiu, T. Frentiu
43.	Health monitoring techniques for composite structures using graphene fiber optical sensor	ICCS26 - 26th International Conference on Composite Structures & MECHCOMP8 - 8th International Conference on Mechanics of Composites, Portugalia, Porto, 30/06/2023	R. Savastru, Dan Savastru, M. Tăutan, I. Lăncrăjan
44.	HiPIMS deposition of micrometer thick DLC coatings for industrial applications	The International Conference on Hydraulics, Pneumatics, Sealing Elements, Precision Mechanics, Tools, Specific Electronic Equipment & Mechatronics HERVEX 2023, 8-10 November, 2023, Baile Govora, Romania, Romania, Govora, 09/11/2023	Catalin Vitelaru, Anca Constantina Parau, Adrian Kiss, Mihaela Dinu, Lidia R.Constantin, Iulian Pana, Arcadie Spbetkii, Tomas Kubart
45.	HiPIMS deposition of transparent metallic thin films for radiation management	International Conference on Plasma Physics and Applications CPPA 2023, Romania, Iasi, 16/06/2023	Catalin VITELARU, Iulian PANA, Anca C. PARAU, Mihaela DINU, Alina VLADESCU (DRAGOMIR), Adrian E. KISS, Lidia R. CONSTANTIN, Arcadie

			SOBETKII, Iulian IORDACHE
46.	Hyperspectral imaging and its applications in medical field	A XIII-a Conferință Națională cu Participare Internațională a Societății Române de Dermato-oncologie și cea de-a XXVI-a Conferință a Asociației Dermatologilor Transilvani, Romania, Cluj-Napoca, 20/09/2023	D Manea, MA Calin
47.	Impact of waste burning on air quality in eastern European settlements	EAC 2023, European Aerosol Science Conference 2023, Spania, Malaga, 08/09/2023	A. Meiramova, A. Hoffer, A. Rostasi, A. Toth, B.Jancsek-Turoczi, G. Kiss, E.A. Levei, L. Marmureanu, A.Machon, A.Gelencser
48.	Implementing the functionality of electrohydraulic actuated machines by programmable logic controller programmed using finite-state machine	27th International Conference on Hydraulics and Pneumatics HERVEX 2023, Romania, Baile Govora, 09/11/2023	Robert Blejan, Marian Blejan, Alexandru Ionescu
49.	Important research and technology achievements of 2023 at INOE 2000 – IHP: The <Water Collector>, part of the Ivan Patzaichin Memorial Assembly; Test stand of low-head hydro turbines	27th International Conference on Hydraulics and Pneumatics HERVEX 2023, Romania, Baile Govora, 08/11/2023	Ionas Catalin Dumitrescu
50.	Improving the performance of surface plasmon resonance sensors for the detection of liquid chemicals	Conference on Electrical, Electronics, Computer , Civil and Mechanical Engineering (ICECCME-2023), , Bulgaria, Varna, 08/12/2023	A.Popescu, Dan Savastru
51.	Innovative Solar Thermal Collector Coatings for Improved Mechanical Properties and Energy Efficiency	8th Edition Smart Materials & Surfaces conference - SMS 2023 Conference, 25-28 october 2023, Albufeira, Portugalia, Portugalia, Albufeira, 26/09/2023	I. Pana, A. C. Parau, M. Dinu, L. R. Constantin, A. E. Kiss, A. Vladescu (Dragomir) and C. Vitelaru
52.	Land surface albedo changes induced by urbanization over Bucharest metropolitan area	Conferința Internațională IESCEE 2023, Emiratele Arabe Unite, Dubai, 14/10/2023	Dan Savastru, M. Zoran, R. Savastru, M. Tautan
53.	Laser Doppler Vibrometry Applications in Cultural Heritage	Sesiunea Științifică Anuală, Facultatea de Fizică a Universității din București, Romania, Măgurele,	Andreea-Maria Pătrașcu, Monica Dinu

		26/05/2023	
54.	LIBS stratigraphy in the aid of revealing the hidden layers of a post-byzantine icon	12th Edition of the Euro-Mediterranean Symposium on Laser-Induced Breakdown Spectroscopy (EMSLIBS 2023), 3-7 Sep 2023, Portugalia, Porto, 03/09/2023	M. Dinu, L. Ghervase, I.M. Cortea, L. Ratoiu, L. Angheluță, Sister Serafima Samoilescu
55.	Lidar overlap correction function, based on multi-angle measurements	PROBE Cost Action, Ungaria, Budapest, 25/09/2023	Adam, M., Marengo, F.
56.	MARS- Romanian research infrastructure, a resource within COST Action PROBE CA 18235, Profiling the atmospheric boundary layer at European scal	European Lidar Conference ELC2024, Romania, Cluj, 13/09/2023	A. Nemuc, D. Cimini, M.Haeffelin, R.Pirloaga, J. Vasilescu, L. Belegante, D. Nicolae
57.	Measuring catalase ativity in Li treated aquatic plant tissues	The International Conference on Hydraulics, Pneumatics, Sealing Elements, Precision Mechanics, Tools, Specific Electronic Equipment & Mechatronics HERVEX 2023, Romania, Baile Govora, 09/11/2023	A.I. Torok, E. Kovacs, E.A. Levei
58.	Methane measurements in Romania using satellite and airborne data	Ninth International Conference on Remote Sensing and Geoinformation of Environment, RSCy2023, Cipru, Ayia Napa, 05/04/2023	A. Scarlat, S. Iancu, A. Nemuc, A. Tudor, S. Ghemulet, M. Dima, G. Iorga, D. Schuttemeyer, A. Calcan
59.	Method and means of measuring pulsating flow rates of oscillating hydraulic pressure intensifiers	27th International Conference on Hydraulics and Pneumatics HERVEX 2023, Romania, Baile Govora, 10/11/2023	Teodor Costinel Popescu, Alexandru-Polifron Chirita, Krzysztof Nieśpiałowski, Ana-Maria Carla Popescu
60.	Mobile machine with hydrostatic hybrid drive train	NSHP 2023 - Hydraulic and Pneumatic Drives and Controls International Scientific-Technical Conference, Polonia, Piechowice, 12/10/2023	Radu-Iulian Radoi, Catalin Dumitrescu, Bogdan Tudor, Stefan Sefu, Ciprian Culache
61.	Mobile mapping of air pollution in Bucharest	Modern approaches of the environment-climate change feedback, Romania, Galati, 20/09/2023	A. Ilie, J. Vasilescu, A. Dandocsi, D. Nicolae, O.G. Tudose
62.	Modified Pechini Method Used For The Synthesis Of Cs-fullerenes Aerogel	24th International Conference "New Cryogenic and Isotope Technologies for Energy and Environment"- EnergEn 2023, Băile Govora, Romania, October 18–20, 2023, Romania, Baile Govora,	A.-M. Iordache, E.I. Ionete, S.-M. Iordache, C.N. Zoita, S. Caramizoiu, A.M. Raduta, I.C.Vasilu, I. Chilibon, C.E.A. Grigorescu

		19/10/2023	
63.	Multiply, next generation ESA HSRL airborne demonstrator,	LIDAR 2023-3rd international workshop on space-based lidar remote sensing techniques and emerging technologies, Grecia, Milos Island, 20/06/2023	Ilya Serikov, Doina Nicolae, Livio Belegante, Holger Linné, Björn Brüggmann, Ludwig Worbes, Vassilis Amiridis, Iwona S. Stachlewska, Victor Nicolae, Ioannis Binietoglou
64.	Neural network controller for fault detection and monitoring of a closed-loop compact hydraulic direct drive servomechanism	27th International Conference on Hydraulics and Pneumatics HERVEX 2023, Romania, Baile Govora, 09/11/2023	Alexandru-Polifron Chirita, Bogdan-Alexandru Tudor
65.	Non-essential elements role in sustainable agriculture	VII. AGROPODIUM AgrIntelligence everywhere, science in agriculture, Ungaria, Online, 21/11/2023	A.I. Torok, C. Balgaradean
66.	Non-invasive assessment of intratumoral hypoxia in skin carcinomas using hyperspectral imaging	A XIII-a Conferință Națională cu Participare Internațională a Societății Române de Dermato-oncologie și cea de-a XXVI-a Conferință a Asociației Dermatologilor Transilvani, Romania, Cluj-Napoca, 20/09/2023	MA Calin, D Manea, SV Parasca
67.	Novel coating approaches for solar thermal collectors: a study on mechanical and optical properties	6th International Conference on Emerging Technologies in Materials Engineering – EmergeMAT, 9-10 noiembrie 2023, Bucuresti, Romania , Romania, Bucuresti, 09/11/2023	Iulian Pana, Anca Constantina Parau, Mihaela Dinu, Lidia Ruxandra Constantin, Adrian Emil Kiss, Alina Vladescu (Dragomir), Catalin Vitelaru
68.	NOx emissions from Bucharest and Berlin derived from regular airborne DOAS measurements	20th GEIA Conference - Towards mitigating air pollutant and greenhouse gas emissions, Belgia, Bruxel, 21/06/2023	A. Merlaud, F. Tack, M. Van Roozendaal, T. Ruhtz, J. Lemke, C. Lindemman, S. Iancu, A. Calcan, M. Ardelean, S. Ghemulet, A. Nemuc, L. Belegante, J. Vasilescu, D. Constantin, A. Rosu, D. Schuettemeyer,
69.	Physico-chemical and in vitro biological behavior of plate-like hydroxyapatite coatings obtained in pulsed galvanostatic mode	E-MRS 2023 Spring Meeting, May 30 – June 1 2023, Strasbourg, Franta, Franta, Strasbourg, 01/06/2023	A. Vladescu (Dragomir) , D.M. Vranceanu, I. Titorencu, A.C. Parau, V. Pruna, E. Ungureanu, C.M. Cotrut
70.	Production of bioplastic (L-polylactic and polyhydroxybutyrate) from	4th International Virtual Conference on Materials Science & Engineering, Global, Online,	E. Kovacs, O. Cadar, D.-A. Scurtu, A. Becze, D.

	agricultural biomass wastes	11/08/2023	Kovacs, L. Senila
71.	Reaserch on aerosol-cloud interaction in the convective environment - ACCuReSyProject	Scientific Research and Education in the Air Force, Romania, Brasov, 26/05/2023	Simona Andrei, Razval Pirloaga, Mariana Adam, Vasile Prisacariu, Adrian Piticar, Alexandru Tudor, Bogdan Antonescu
72.	Reconstruction of severe weather events in Romania using ERA5 Reanalysis	Scientific Research and Education in the Air Force, Romania, Brasov, 26/05/2023	Bogdan Antonescu, Simona Andrei, Meda Daniela Andrei, Sorin Cheval
73.	Release of fluorescent organic matter by polystyrene in aquatic systems	7th International Conference Polcom 2023 - Progress on Design Techniques and Manufacturing Technologies for Advanced Products and Processes in the Modern Era, Romania, Bucuresti, 23/11/2023	Elfrida M. Carstea, Cristina L. Popa, Simona I. Dontu, Dan Savastru
74.	Romanian National Report for EPROFILE	EPROFILE meeting, Norvegia, Oslo, 16/11/2023	Toanca Florica
75.	Smart Composite Material Microphone Using a Grating Fiber Optic Sensor	Conf. Internaționala OPAL' 2023, Portugalia, Funchal (Madeira Island), 17/05/2023	M. I. Rusu , D. Savastru, R. Savastru, M. Tautan and I. I. Lancranjan
76.	Spatiotemporal changes of urban land surface albedo impact on thermal environment in Bucharest metropolitan city	International Conference ENGW 2023, Grecia, Rhodos, 22/07/2023	M. Zoran, R. Savastru, Dan Savastru, M. Tautan, A. Penache
77.	Statistical analysis of wind components at Bucharest–Măgurele using state-of-the-art instruments and ERA5 Reanalysis data	Scientific Research and Education in the Air Force, Romania, Brasov, 26/05/2023	Răzvan Pîrloagă, Mariana Adam, Simona Andrei, Bogdan Antonescu
78.	Study of accelerator-containing cement-based materials using scanning electron microscopy and energy dispersive x-ray spectroscopy	3rd International Virtual Conference on Materials Science & Engineering, Global, Online, 28/03/2023	A. Simedru, D. A. Scurtu, D. Simedru, I. Ardelean
79.	The importance of reverse engineering and 3D scanning in remanufacturing hydraulic drive system components in the circular economy context	International Conference on Applied Sciences ICAS 2023, Romania, Hunedoara, 25/05/2023	Alexandru-Polifron Chirita, Andrei Alexandru Benescu, Adriana-Mariana Bors, Stefan Mihai Sefu, Robert Blejan
80.	The influence of the N2 and C2H2 mass flow rates	WTK- 23 Materials Engineering Colloquium, Germania, Chemnitz,	Alina Vladescu (Dragomir), Mihaela Dinu,

	on the corrosion properties of TiSiCN coatings obtained by cathodic arc evaporation	30/03/2023	Anca C.Parau
81.	The role of C/N ratio in corrosion behavior of TiSi-based carbonitrides obtained by cathodic arc evaporation	E-MRS 2023 Spring Meeting, May 30 – June 1 2023, Strasbourg, Franta, Franta, Strasbourg, 01/06/2023	Alina Vladescu (dragomir) , Anca C. Parau, Mihaela Dinu , Iulian Pana, Diana Maria Vranceanu, Lidia R. Constantin , Claudia P. Dragomir, Catalin Vitelaru
82.	Thermal infrared anomalies associated with recent crustal earthquakes in Gorj County in Romania	Conferința Internațională EE23, Turcia, Izmir, 31/08/2023	M. Zoran, R. Savastru, Dan Savastru, M. Tautan
83.	Time-series satellite data for assessment of Bucharest city thermal environment	Ninth International Conference on Remote Sensing and Geoinformation of Environment rscy2023, Cipru, Cipru, 05/04/2023	Dan Savastru, M. Zoran, R. Savastru, M. Tautan, D. Tenciu
84.	TLUD hot air generator with forced draft	11th International Conference on Thermal Equipment, Renewable Energy and Rural Development TE-RE-RD 2023, Romania, Bucuresti, 08/06/2023	Ionel Pavel, Gabriela Matache, Gheorghe Sovaiala, Alina Iolanda Popescu, Kati Pavel
85.	Transparent silver based coatings embedded in oxide matrices used for antibacterial applications	8th Edition Smart Materials & Surfaces conference - SMS 2023 Conference, 25-28 october 2023, Albufeira, Portugalia, Portugalia, Albufeira, 27/09/2023	Catalin Vitelaru ¹ , Anca C. Parau ¹ , Adrian E. Kiss ¹ , Iulian Pana ¹ , Mihaela Dinu ¹ , Lidia R. Constantin ¹ , Alina Vladescu(Dragomir) ¹ , Lavinia E. Tonofrei ² , Cristina S. Adochite ³ , Sarah Costinas ³ , Liliana Rogozea ³ , Marius Moga ³ , Mihaela E. Idomir ³ , Mihaela Badea ³
86.	Tropospheric particle intrusions in PBL. Towards NRT warnings	ELC 2023, Romania, Cluj, 13/09/2023	Mariana Adam
87.	Urban built environment impact on summer extreme heat	Conferința Internațională IESCEE 2023, Emiratele Arabe Unite, Dubai, 14/10/2023	M. Zoran, R. Savastru, Dan Savastru, M. Tautan
88.	Utilization of vine shoot waste as admixture in cement paste	3rd International Virtual Conference on Materials Science & Engineering, Global, Online, 28/03/2023	A-D. Scurtu, E. Kovacs, L. Senila, E-A. Levei, D. Simedru, M. Dan, C. Roman, O. Cadar, L. David
89.	ZrCu-based thin films metallic glasses for orthopaedic aims	International Conference on Biomaterials and Regenerative Medicine BIOREMED'2023, 19-21	Mihaela Dinu, Anca Constantina Parau, Alina Vladescu (Dragomir),

		iulie Sibiu, Romania, Sibiu, 20/07/2023	Cosmin Cotrut
90.	ZrCuCa-BASED THIN FILMS METALLIC GLASSES DEPOSITED BY CATHODIC ARC DEPOSITION	21st International Balkan Workshop on Applied Physics and Materials Science Constanta, Romania 11-14 July 2023, Romania, Constanta, 13/07/2023	Alina VALDESCU (DRAGOMIR), Anca C.PARAU, Mihaela DINU
Comuncări poster			
1.	A minimally-invasive multimethod approach for the study of paint-layer stratigraphy in some 2nd century polychrome murals	The 5th Asian Symposium on Laser Induced Breakdown Spectroscopy, 26-30 Iunie 2023, Tokushima, Japonia, Japonia, Tokushima, 26/06/2023	I.M. Cortea, M. Dinu, L. Ghervase, L. Ratoiu, O. Țentea
2.	Abundance of colors: pigments and wall painting techniques at the frontiers of the Roman Empire	8th International Conference on Analytical Techniques in Art and Cultural Heritage (TECHNART 2023), 7-12 May 2023, Lisbon, Portugalia, Lisabona, 07/05/2023	I.M. Cortea, L. Ghervase, O. Țentea
3.	ACCuReSy Project- targeting the aerosol-cloud interactions within convective environments in Romania	11th European Conference on Severe Storms, Romania, Bucuresti, 09/05/2023	Simona Andrei, Răzvan Pîrloagă, Mariana Adam, Alexandru Tudor, Adrian Piticar, Bogdan Antonescu
4.	Advanced Implant Surfaces: Harnessing Bioglasses and Ciprofloxacin for Enhanced Bone Repair and Antimicrobial Protection	International Forum on Immunology and Microbiology, Romania, Bucuresti, 22/08/2023	I. Negut, C. Ristoscu, T. Tozar, M. Dinu, A. C. Parau, V. Grumezescu, C. Hapenciuc, M. Popa, M.S. Stan, L. Marutescu, I. N Mihailescu, M. C. Chifiriuc
5.	Aluminophosphate glasses containing rare-earth ions, applied as optical sensors and the processing method	International Exhibition INVENTCOR, 4th edition, 14- 16.09.2023, Romania, Deva, 15/09/2023	M. Elisa, B.A. Sava, L. Boroica, R. Iordanescu, I. Feraru, M. Eftimie, A. Beldiceanu
6.	Autolaborator, Brevet RO125258 B/2011	Salonul Cercetării Științifice, Inovării și Inventicii Pro Invent · Ediția XXI · 25-27 octombrie 2023, Romania, Cluj, 25/10/2023	J. Striber, L.M. Angheluță, R. Rădvan, C. Deciu, M. Simileanu (Dinu), D. Ene, R. Savastu
7.	Binding spectra and images. Contribution to characterization of historical, modern, and contemporary pigments	11th International Conference on the Application of Raman Spectroscopy in Art and Archaeology (RAA 2023), 6-9 Sep 2023, Grecia, Atena, 09/09/2023	L. Ratoiu, L. Ghervase
8.	Boro-phosphate glasses with magneto-optical properties and process for preparing them	International Exhibition INVENTCOR, 4th edition, 14- 16.09.2023, Romania, Deva, 15/09/2023	B.A. Sava, L. Boroica, M. Elisa, D. Ulieru, D. Craciun
9.	Brevet "Procedeu de	Salonul Internațional de Invenții și	I. Gomoiu, R. Ruginescu,

	îndepărtare a consolidanților și a depunerilor organice de pe suprafața picturilor murale folosind esterase bacteriene imobilizate în gel pe bază de polizaharide	Inovații „TRAIAN VUIA” Timișoara, ediția a IX -a, 15-17 Iun 2023, Timișoara, Romania, Timisoara, 15/06/2023	S. Neagu, R. Cojoc, M. Enache, L. Ghervase, R. Radvan
10.	Cathodic arc synthesis of CrSiCN protective coatings used for stainless steel improved performance in industrial woodworking application	E-MRS 2023 Spring Meeting, May 30 – June 1 2023, Strasbourg, Franta, Franta, Strasbourg, 01/06/2023	Lidia R.Constantin, Anca C.Parau, Mihaela Dinu, Iulian Pana, Catalin Vitelaru, Alina Vladescu (Dragomir)
11.	Cesium-carbon foam obtained via modified PECHINI-METHOD	21st International Balkan Workshop on Applied Physics and Materials Science, 11-14 Iulie 2023, Romania, Constanta, 13/07/2023	S.-M. Iordache, E.I. Ionete, A.-M. Iordache, C.N. Zoita, I.C.Vasilu, M. Elisa, I. Chilibon, S. Caramizoiu, C.E.A. Grigorescu
12.	Cilindru hidraulic cu distributie inglobata	Salonul International al Cercetarii Stiintifice, Inovarii si Inventicii PRO INVENT 2023, Romania, Cluj-Napoca, 26/10/2023	S. Anghel, G. Matache, Gh. Sovaiala
13.	Comparative analysis of two types of filaments with COMSOL for electrothermal process	IEEE 29th International Symposium for Design and Technology in Electronic Packaging (SIITME), Romania, Craiova, 17/10/2023	S. Cadar, D. Petreus, T. Patarau, E. Szilagyi
14.	Complex colorimetric and thermochromic sensor array for the evaluation of urea in artificial saliva	Nanotexnology 2023 - 20th International Conference on Nanosciences & Nanotechnologies, Grecia, Thessaloniki, 06/07/2023	A.M. Iordache, S.-M. Iordache, T. Soare, C. Rizea, A. Mazlum, I. C.Vasilu, M.Elisa, I. Chilibon, C.E.A. Grigorescu
15.	Composite carbon xerogels with graphene oxide and their manufacturing process	International Exhibition INVENTCOR, 4th edition, 14-16.09.2023, Romania, Deva, 15/09/2023	I. Stamatin, A.M.I. Trefilov, A.E. Balan, C. Nichita, S. M. Iordache
16.	CrSi-based carbo-nitrides protective coatings for industrial woodwork-ing applications	8th Edition Smart Materials & Surfaces conference - SMS 2023 Conference, 25-28 october 2023, Albufeira, Portugalia, Portugalia, Albufeira, 26/10/2023	Lidia R.Constantin, Anca C.Parau, Mihaela Dinu, Iulian Pana, Catalin Vitelaru, Alina Vladescu (Dragomir)
17.	CrSiCN coatings obtained by cathodic arc synthesis and used as protective coatings for improved performance of stainless steel tools in industrial	20st International Conference on Nanosciences & Nanotechnologies (NN23) 4-7 July 2023, Thessaloniki, Greece, Romania, Thessaloniki, 06/07/2023	Lidia R.Constantin, Anca C.Parau, M. Dinu, I. Pana, C. Vitelaru, A. Vladescu (Dragomir)

	woodworking applications		
18.	CrSiCN PROTECTIVE COATINGS USED FOR INDUSTRIAL WOODWORKING APPLICATIONS	21rd International Balkan Workshop on Applied Physics and Materials Science Constanta, Romania 11-14 July 2023, Romania, Constanta, 13/07/2023	Lidia R. CONSTANTIN, Anca C.PARAU, Mihaela DINU, Alina VALDESCU (DRAGOMIR)
19.	CrSiCN protective coatings used for industrial woodworking applications	WTK- 23 Materials Engineering Colloquium, Germania, Chemnitz, 30/03/2023	Lidia R.Constantin, Anca C.Parau, Mihaela Dinu, Iulian Pana, Catalin Vitelar, Alina Vladescu (Dragomir)
20.	Crystallization behavior of CSA deposited Poly(3-hexylselenophene)	33RD Edition of the international conference - Preparing the future by promoting excellence, Romania, Iasi, 04/03/2023	O. Todor-Boer, I. Botiz
21.	Data acquisition system for analyzing the thermodynamic performance of an air-water heat pump	ISB-INMA TEH' 2023 International Symposium, Romania, Bucuresti, 06/10/2023	Radu-Iulian Radoi, Catalin Dumitrescu, Ioana Ilie, Valentin Barbu, Bogdan Duran, Melania Cismaru
22.	Detectability of ancient organic compounds in various archaeological artefacts via combined non- and minimally-invasive mobile spectroscopic techniques	Colloquium Spectroscopicum Internationale XLIII (CSI XLIII), 26-30 Iunie 2023, Japonia, Tokushima, 26/06/2023	I.M. Cortea, L. Ghervase, M. Dinu, O. Ţentea
23.	Detection of Candida spp. with a colorimetric sensor based on organic dyes immobilized onto a paper strip-application in medical care	21st International Balkan Workshop on Applied Physics and Materials Science, 11-14 Iulie 2023, Romania, Constanta, 13/07/2023	Stefan-Marian Iordache, Ana-Maria Iordache, Roxana Bohiltea, Constantin Rizea, Alexandra Mazlum, Ileana Cristina Vasiliu, Mihail Elisa, Irinela Chilibon, Cristiana Eugenia Ana Grigorescu
24.	Dispozitiv optoelectronic și procedeu pentru analiza calitativă a suprafețelor obiectelor de artă cu tehnica LIF, Brevet RO125259 B/2011	Salonul Cercetării Științifice, Inovării și Inventicii Pro Invent · Ediția XXI · 25-27 octombrie 2023, Romania, Cluj, 25/10/2023	Striber Joakim, Laurențiu Marian Angheluță, Roxana Rădvan, Monica Simileanu, Roxana Savastru
25.	Dispozitiv, procedeu de analiză a compoziției chimice și procedeu de analiză stratigrafică a compoziției chimice a straturilor superficiale ale operelor de artă folosind	Salonul Cercetării Științifice, Inovării și Inventicii Pro Invent · Ediția XXI · 25-27 octombrie 2023, Romania, Cluj, 25/10/2023	J. Striber, L.M. Angheluță, R. Rădvan, M. Simileanu (Dinu), R. Savastru

	tehnica LIBS, Brevet RO125260 B/2011		
26.	Doped boro-lead-phosphate glass and nanocarbon composites and method for obtaining them	International Exhibition INVENTCOR, 4th edition, 14-16.09.2023, Romania, Deva, 15/09/2023	B.A. Sava, L. Boroica, A.V. Filip, I.C. Vasiliu, M. Elisa, A.M. Iordache
27.	Doped boro-lead-phosphate glass and nanocarbon composites and method for obtaining them, Patent application No. A/00379/30.06.2021	"TRAIAN VUIA" INTERNATIONAL EXHIBITION OF INVENTIONS AND INNOVATIONS, 15-17.06.2023, Timisoara, Romania, Romania, Timisoara, 16/06/2023	Sava Bogdan Alexandru, Boroica Lucica, Filip Ana Violeta, Vasiliu Ileana Cristina, Elisa Mihail, Iordache Ana Maria
28.	Eco-innovative technologies for biomass waste recovery	INVENTICA 2023 – The 27th International Exhibition of Inventions, Romania, Iasi, 22/06/2023	G. Matache
29.	Effect Of Working Power On Physical Properties Of RF-Sputtered CdTe Thin Films For Photovoltaic Applications	24th International Conference "New Cryogenic and Isotope Technologies for Energy and Environment"- EnergEn 2023, Băile Govora, Romania, October 18–20, 2023, Romania, Baile Govora, 19/10/2023	A.M. Raduta, S. Iftimie, V. A. Antohe, C. Locovei, A. Radu, L. Ion, S. Antohe, C.E.A. Grigorescu
30.	Electrochemical detection of neurotransmitters using microelectrodes based on electropolymerized organic polymers	E-MRS 2023 Spring Meeting – May 29 - June 2 2023, Congress & Exhibition Centre – Strasbourg, France, Franta, Strasbourg, 29/05/2023	A.M. Iordache, S.M. Iordache, A.M.I. Trefilov, V. Barna, C. Rizea, A. Mazlum, I.C. Vasiliu, M. Elisa, I. Chilibon, C. Zoita, C.E.A. Grigorescu
31.	Electrochemical Sensor Based On Graphene-Aniline Composite For The Detection Of Serotonin In Artificial Plasma	24th International Conference "New Cryogenic and Isotope Technologies for Energy and Environment"- EnergEn 2023, Băile Govora, Romania, October 18–20, 2023, Romania, Baile Govora, 19/10/2023	S.-M. Iordache, A.-M. Iordache, A.M.I. Trefilov, A.M. Raduta, S. Caramizoiu, I. C.Vasiliu, I. Chilibon, C. E. A. Grigorescu
32.	Elimination of spectral interference between Cd and As in their monitoring in water by using in-situ diffusive gradients in thin film passive sampling and detection by ex-situ microplasma optical emission spectrometry set-up equipped with a low-resolution microspectromete	49th International Conference of SSCHE , Slovakia, Tatranské Matliare, 15/05/2023	E. Covaci, S. Angyus, M. Senila, M. Frentiu, T. Frentiu

33.	Estimation of microplastics in wastewater treatment plants emitted by Bucharest households	7th International Conference Polcom 2023 - Progress on Design Techniques and Manufacturing Technologies for Advanced Products and Processes in the Modern Era, Romania, Bucuresti, 23/11/2023	Simona Dontu, Cristina L. Popa, Elfrida M. Carstea, Dan Savastru
34.	Evaluation of green and white degree of a method based on in-situ diffusive gradients in thin film passive sampling coupled with ex-situ microplasma optical emission spectrometry set-up for determination of toxic elements in river water	49th International Conference of SSCHE, Slovakia, Tatranské Matliare, 15/05/2023	E. Covaci, S. Angyus, M. Senila, M. Frentiu, T. Frentiu
35.	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	International Exhibition INVENTCOR, 4th edition, 14-16.09.2023, Romania, Deva, 15/09/2023	I.C. Vasiliu, A.M.Iordache, M.Elisa, I.Pana, B.A. Sava, L.Boroica, A.V. Filip
36.	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" Patent application No, A/00342/2021	"TRAIAN VUIA" INTERNATIONAL EXHIBITION OF INVENTIONS AND INNOVATIONS, 15-17.06.2023, Timisoara, Romania, Romania, Timisoara, 16/06/2023	I. C. Vasiliu, A-M. Iordache, M. Elisa, I. Pana, B. A. Sava, L. Boroica, A-V. Filip
37.	Go-on-target in art	12th Edition of the Euro-Mediterranean Symposium on Laser-Induced Breakdown Spectroscopy (EMSLIBS 2023), 3-7 Sep 2023, Porto, Portugalia, Porto, 03/09/2023	M. Dinu, R. Rădvan
38.	Ground based Alpha-lidar capabilities of EarthCARE data products evaluation	EARTHCARE science and validation workshop, Italia, Frascati, 23/11/2023	Livio Belegante, Doina Nicolae, Razvan Pirloaga, Anca Nemuc
39.	High entropy materials and coatings for high friction and wear resistant surface applications	6th International Conference on Emerging Technologies in Materials Engineering – EmergeMAT, 9-10 noiembrie 2023, Bucuresti, Romania , Romania, Bucuresti,	N. C. Zoita, M., Mondragon, A. Sobetskii, A. A. Harb, M. Dinu, A. C. Parau, C. E. A Grigorescu, Xanti Almandoz, A-M. Iordache, J. C. Rodriguez,

		10/11/2023	A. E. Kiss, J. M. Izurrategi
40.	Hybrid solar system with overload protection	EUROINVENT 2023 - 15th European Exhibition of Creativity and Innovation, Romania, Iasi, 12/05/2023	Gh. Sovaiala, R. Radoi, I. Pavel, K. Pavel
41.	Hydraulic cylinder with embedded distribution	EUROINVENT 2023 - 15th European Exhibition of Creativity and Innovation, Romania, Iasi, 12/05/2023	G. Matache, Gh. Sovaiala, S. Anghel
42.	Hyperspectral imaging as a tool for in vivo delineation of skin carcinomas	WHISPERS 2023, Grecia, Atena, 31/10/2023	MA Calin, D Manea, SV Parasca
43.	Influence of plastic on particle size distribution in aquatic systems	7th International Conference Polcom 2023 - Progress on Design Techniques and Manufacturing Technologies for Advanced Products and Processes in the Modern Era, Romania, Bucuresti, 23/11/2023	Cristina L. Popa, Elfrida M. Carstea, Simona I. Dontu, Daniel Tenciu
44.	INFRA-ART Spectral Library: a new open access infrastructure for heritage science	8th International Conference on Analytical Techniques in Art and Cultural Heritage (TECHNART 2023), 7-12 May 2023, Lisbon, Portugalia, Lisabona, 07/05/2023	I.M. Cortea, A. Chiroșca, L. Angheluță
45.	INFRA-ART: An open-access integrated spectral library of art related materials for enhanced accessibility in cultural heritage science	Colloquium Spectroscopicum Internationale XLIII (CSI XLIII), 26-30 Iunie 2023, Japonia, Tokushima, 26/06/2023	I.M. Cortea, A. Chiroșca, L. Angheluță
46.	Innovative strategies for bioactive/antibacterial advanced prostheses	EUROINVENT -15th European Exhibition of Creativity and Innovation Iasi, Romania, 11-14 MAI 2023, Romania, Iasi, 12/05/2023	Alina Vladescu (Dragomir), Catalin Vitelaru, Anca C.Parau, Iulian Pana, Mihaela Dinu, Adrian E. Kiss, Lidia R. Constantin
47.	Integrating Bioglasses and Statins into Specialised Coatings for Enhancing the Osseointegration of Stainless-Steel Implants,	The 15th International Conference on Physics of Advanced Materials (ICPAM-15, Egipt, Sharm El Sheikh, 21/11/2023	V. Grumezescu, I. Negut, G. Dorcioman, B. Bită, M. Dinu, A. Parau, G. Grădistanu
48.	Intelligent colorimetric sensor for kidney failure assessment in veterinary practice	E-MRS 2023 Spring Meeting – May 29 - June 2 2023, Congress & Exhibition Centre – Strasbourg, France, Franta, Strasbourg, 29/05/2023	A.M. Iordache, T. Soare, S.M. Iordache, C. Rizea, A. Mazlum, I.C. Vasiliu, M. Elisa, I. Chilibon, C. Zoita, C.E.A. Grigorescu
49.	Investigating MAPLE Deposition of Bioglass and Statins coatings on	2nd International Virtual Conference on Chemistry and Analytical Chemistry, Romania,	B. Bită, I. Negut, G. Dorcioman, M. Dinu, A.

	Implant-Mimicking Surfaces	Targoviste online, 03/11/2023	Parau, G. Grădisteanu
50.	Investigations Related to the Opportunity of Using Furnace Slag in the Composition of Road Cement Concrete	EUROINVENT ICIR 2023 International Conference on Innovative Research , Romania, Iasi, 12/05/2023	L. M. Nicula, D. L. Manea, D. Simedru, M. L. Dragomir
51.	Low resistivity Copper-Carbon and silica-ZnO based coatings with thermo-optical properties for antenna reflectors intended for space communication	International Conference on Plasma Physics and Applications CPPA 2023, Romania, Iasi, 16/06/2023	VIOREL BRAIC, MIHAELA DINU, ADRIAN EMIL KISS, IULIAN PANA, NICOLAE CATALIN ZOITA
52.	L-polylactic acid production from lignocellulosic biomass waste via microwave irradiation	6 th World Chemistry Conference and Exhibition (WCCE-2023), Spania, Barcelona, 12/09/2023	E. Kovacs, L. Senila, D.-A. Scurtu, A. Becze, D. Kovacs, O. Cadar
53.	Luminescent nanostructured sol-gel PbS-doped film for temperature measuring in the Near Infrared region	IMCS 2023–International Meeting on Chemical Sensors, Jilin University, China, China, Changchun, 06/08/2023	Claudia Hernández-López, Diego López-Torres, César Elosúa, M. Elisa, I. C. Vasili
54.	Machine learning-based methodology for in vivo assessment of skin cancer tumor margins using hyperspectral imaging	International Conference on Cancer Science (FOC2023), Cehia, Praga, 04/09/2023	MA Calin, D Manea, SV Parasca
55.	MAPLE deposition of bioglass and statins thin films on implant-like surfaces	6th International Conference on Emerging Technologies in Materials Science, Romania, Bucuresti, 09/11/2023	I. Negut, B. Bită, G. Dorcioman, M. Dinu, A. Parau, G. Grădisteanu
56.	Mapping the melanin concentration distribution in common nevus using hyperspectral imaging as prognostic diagnosis	International Conference on Radiation Applications (RAP 2023), Grecia, Anavyssos, 31/05/2023	Dragos Manea, Mihaela Antonina Calin, Florin Stanescu, Sorin Viorel Parasca
57.	Materials for the conversion of solar energy with photovoltaic applications	E-MRS 2023 Spring Meeting – May 29 - June 2 2023, Congress & Exhibition Centre – Strasbourg, France, Franta, Strasbourg, 31/05/2023	I. Chilibon, L. Fara, C. Vasiliu
58.	Mercury fractionation in soil using Diffusive Gradients in Thin-films coupled with thermal decomposition - atomic absorption spectrometry	AGRICULTURE AND FOOD - CURRENT AND FUTURE CHALLENGES - AGRIFA, Romania, Cluj-Napoca, 20/10/2023	M. Senila, M. Roman, B. Angyus

59.	Metodă complexă de identificare, caracterizare și cartare a materialelor policrome multistrat, de la nivel macroscopic la nivel microscopic	The 15th edition of The European Exhibition of Creativity And Innovation - EUROINVENT 2023, Romania, Iasi, 11/05/2023	M. Dinu, R. Rădvan, L.C. Ratoiu
60.	Mg and Si DOPED HYDROXYAPATITE DEPOSITED ON AZ31B ALLOY AS BIODEGRDABLE COATINGS	21nd International Balkan Workshop on Applied Physics and Materials Science Constanta, Romania 11-14 July 2023, Romania, Constanta, 13/07/2023	Anca C.PARAU, Mihaela DINU, Catalin VITELARU, Alina VALDESCU (DRAGOMIR)
61.	Microalgae – the green gold - a renewable source of energy	AGRICULTURE AND FOOD - CURRENT AND FUTURE CHALLENGES - AGRIFA, Romania, Cluj-Napoca, 20/10/2023	M.A. Resz, E. Kovacs, E. Neag, C. Varaticeanu, C. Roman
62.	Minihidrocentrala de flux	Salonul International al Cercetarii Stiintifice, Inovarii si Inventicii PRO INVENT 2023, Romania, Cluj-Napoca, 26/10/2023	V. Dulgheru, I.C. Dumitrescu, L. Dumitrescu, R. I. Radoi
63.	Monitoring of toxic trace metals in river water using in-situ diffusive gradients in thin film passive sampling and small-sized electrothermal vaporization capacitively coupled plasma microtorch optical emission spectrometry	49th International Conference of SSCHE, Slovakia, Hutnik I, 15/05/2023	S. Angyus, M. Senila, E. Covaci, T. Frentiu, M. Frentiu
64.	Monitoring the outcome of new biocleaning methods with the help of spectroscopic techniques	8th International Conference on Analytical Techniques in Art and Cultural Heritage (TECHNART 2023), 7-12 May 2023, Lisbon, Portugalia, Lisabona, 07/05/2023	L. Ghervase, M. Dinu, V. Atanassova, I. Gomoiu
65.	Multi-analytical approach for investigation of the hidden layers in a post-byzantine icon	8th International Conference on Analytical Techniques in Art and Cultural Heritage (TECHNART 2023), 7-12 May 2023, Lisbon, Portugalia, Lisabona, 07/05/2023	M. Dinu, L. Ghervase, I.M. Cortea, L. Ratoiu, L. Angheluță, S.S. Samoilescu
66.	Multilayer structures based on Si-doped metal oxynitrides used for biological applications	E-MRS 2023 Spring Meeting, May 30 – June 1 2023, Strasbourg, Franta, Franta, Strasbourg, 01/06/2023	Mihaela Dinu, Anca C. Parau, Iulian Pana, Lidia R. Constantin, Alina Vladescu, Mariana Braic, Catalin Vitelaru
67.	Multilayered coatings for protecting of cutting tools which work in server wear regimes used in	INTERNATIONAL EXHIBITS APPLICATION INOVA - BE THE ROLE MODEL 2023, 26-29 septembrie 2023, Zagreb, Croatia,	Alina Vladescu (Dragomir), Anca C. Parau, Mihaela Dinu, Lidia R. Constantin, Diana M. Vranceanu, Catalin

	woodworking tools	Croatia, Zagreb, 27/09/2023	Vitelaru
68.	MULTIPLY-ESA HRSL -status of development and implementation	EARTHCARE science and validation workshop, Italia, Frascati, 15/11/2023	Anca Nemuc1, Livio Belegante1 , Ilya Serikov2 , I. Stachlewska3, V. Amiridis4, B. Brüggemann2 , D. Nicolae1, S. Vajaia5
69.	Multi-year variability of PMs and carbonaceous aerosols at RADO-Bucharest site	European Aerosol Conference, Spania, Malaga, 03/09/2023	Andrei Dandocsi, Jeni Vasilescu, Alexandru Ilie, Doina Nicolae
70.	Nanostructured silver based antibacterial thin films obtained by magnetron sputtering on polymeric transparent foils	20nd International Conference on Nanosciences & Nanotechnologies (NN23) 4-7 July 2023, Thessaloniki, Greece, Grecia, Thessaloniki, 06/07/2023	Catalin Vitelaru, Anca C. Parau, Adrian E. Kiss, Iulian Pana, Mihaela Dinu, Lidia R. Constantin, Alina Vladescu, Lavinia E. Tonofrei, Cristina S. Adochite, Sarah Costinas, Liliana Rogozea, Marius Moga, Mihaela E. Idomir, Mihaela Badea
71.	Nanostructured thin films based on carbo-nitrides if transition metals with silicon additions resistant to wear	16th International Invention and Innovation Show INTARG® 2023 (Poland, Katowice, May 24-25, 2023), Polonia, Katowice, 25/05/2023	Spiridon Dragomir, Anca C.Parau, Diana M.Vranceanu, Lidia R. Constantin, Claudia P.Dragomir, Alina Vladescu
72.	New generation of Biocompatible thin film metallic glasses	Salonul Internațional INVENTCOR, ediția a IV-a,14-16 septembrie 2023 , Deva, Romania, Romania, Deva, 14/09/2023	Alina Vladescu (Dragomir)
73.	New ways of assessing biodeteriogens in cultural heritage	8th International Conference on Analytical Techniques in Art and Cultural Heritage (TECHNART 2023), 7-12 May 2023, Lisbon, Portugalia, Lisabona, 07/05/2023	L. Ghervase, I.M. Cortea, L. Ratoiu
74.	Non-invasive investigations of a 17th century Mercator handcoloured engraved map	13th Workshop on Hyperspectral Image and Signal Processing: Evolution in Remote Sensing - Whispers 2023, 31 octombrie-2 noiembrie 2023, Atena, Grecia, Atena, 31/10/2023	L. Ratoiu, L. Ghervase
75.	On numerical modelling and experimental approach of Heterojunction Tandem Solar Cells based on Si and Cu2O/ZnO. Results and perspectives	E-MRS 2023 Spring Meeting – May 29 - June 2 2023, Congress & Exhibition Centre – Strasbourg, France, Franta, Strasbourg, 01/06/2023	L. Fara, I. Chilibon, D. Craciunescu, S. Fara
76.	Optical coherence	International Conference on	D Manea, MA Calin, SV

	tomography in 3D characterization of pigmented skin lesions	Cancer Science (FOC2023), Cehia, Praga, 04/09/2023	Parasca
77.	Optical SPR Sensor with Amorphous As ₂ S ₃ Thin Films for Ethanol-Methanol Distinction	Conf. Internațională OPTICSMEET2023, Belgia, Bruxelles, 15/05/2023	Popescu A.A., Savastru D
78.	Optimization of human mesenchymal stem cells interaction with innovative biomimetic structures for tissue engineering applications	INTERNATIONAL EXHIBITS APPLICATION INOVA - BE THE ROLE MODEL 2023, 26-29 septembrie 2023, Zagreb, Croatia, Croația, Zagreb, 27/09/2023	Alina Vladescu (Dragomir), Anca C. Parau, Irina Titorencu, Catalin Vitelaru, Vasile Pruna, Cosmin M. Cotrut, Diana M. Vranceanu
79.	Optimization of the electrothermal evaporation process based on intelligent control of the power source	14th International Conference Processes in Isotopes and Molecules, Romania, Cluj-Napoca, 22/09/2023	S. Cadar, D. Petreus, T. Patarau, E. Szilagy, B. Angyus, F. Tiberiu
80.	Participare cu brevet A/00195-15.04.2022 - Procedeu de îndepărtare a consolidanțelor și a depunerilor organice de pe suprafața picturilor murale folosind esteraze bacteriene imobilizate în gel pe bază de polizaharide	The 15th edition of The European Exhibition of Creativity And Innovation - EUROINVENT 2023, Romania, Iasi, 11/05/2023	I. Gomoiu, R. Ruginescu, S. Neagu, R. Cojoc, M. Enache, L. Ghervase, R. Radvan
81.	Phosphate-tellurite vitreous materials with magnetic and magneto-optical properties, for Faraday rotators and the process for obtaining them	International Exhibition INVENTCOR, 4th edition, 14-16.09.2023, Romania, Deva, 15/09/2023	M. Elisa, S.M. Iordache, B.A. Sava, L. Boroica, V. Kuncser, A.C. Galca
82.	Platform for lifting-lowering persons, driven by a linear hydraulic motor with hydraulic energy recovery system - brevet: RO129553B1-26.02.2021	EUROINVENT 2023 - 15th European Exhibition of Creativity and Innovation, Romania, Iasi, 12/05/2023	C. Cristescu, I.C. Dumitrescu, F. Georgescu, L. Dumitrescu
83.	Portable Raman spectroscopy applied to the study of pigments' provenance	11th International Conference on the Application of Raman Spectroscopy in Art and Archaeology (RAA 2023), 6-9 Sep 2023, Atena, Grecia, Atena, 06/09/2023	L. Ghervase, L. Ratoiu
84.	Potential discharge of microplastics in surface runoff – Bucharest case	7th International Conference Polcom 2023 - Progress on Design Techniques and Manufacturing Technologies for Advanced	Cristina L. Popa, Simona I. Dontu, Elfrida M. Carstea, Dan Savastru

	study	Products and Processes in the Modern Era, Romania, Bucuresti, 23/11/2023	
85.	Preparation method of high entropy alloy – HEA powders for plasma spray coatings and the obtained alloys	XX-Th Edition of the International Exhibition of Research, Innovations and Inventions -PROINVENT 2022, Romania, Cluj-Napoca, 26/10/2023	N.C. Zoita, C.E.A. Grigorescu, M. Dinu, A.-M. Iordache, A.C. Parau, A.E. Kiss, I. Pana, L.R. Constantin, M.I. Rusu
86.	Procedeu de analiză LIBS in situ a compoziției chimice a obiectelor submersate	The 15th edition of The European Exhibition of Creativity And Innovation - EUROINVENT 2023, Romania, Iasi, 11/05/2023	M. Dinu, R. Rădvan
87.	Procedeu de îndepărtare a consolidanților și a depunerilor organice de pe suprafața picturilor murale folosind culturi de microfungi	The 15th edition of The European Exhibition of Creativity And Innovation - EUROINVENT 2023, Romania, Iasi, 11/05/2023	I. Gomoiu, L. Ghervase, R. Rădvan
88.	Production of polyhydroxyalkanoates from lignocellulosic biomass	6 th World Chemistry Conference and Exhibition (WCCE-2023), Spania, Barcelona, 12/09/2023	L. Senila, E. Kovacs, D.-A. Scurtu, A. Becze, D. Kovacs, O. Cadar
89.	Proiect „GoT in art”	Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara, ediția a IX -a, 15-17 Iun 2023, Timișoara, Romania, Timisoara, 15/06/2023	Monica Dinu, Roxana Radvan, Claudia Marilena Stancu
90.	Proiect „GoT in art”, PN-III-P4-PCE-2021-1605	The 15th edition of The European Exhibition of Creativity And Innovation - EUROINVENT 2023, Romania, Iasi, 11/05/2023	M. Dinu, M. Stancu
91.	Proiect „Metodologie analitică inovatoare pentru identificarea in-situ și maparea în timp real a lianților organici utilizați în pictura murală antică”, PN-III-P2-2.1-PED-2021-3576	The 15th edition of The European Exhibition of Creativity And Innovation - EUROINVENT 2023, Romania, Iasi, 11/05/2023	I.M. Cortea, L. Ghervase, M. Stancu
92.	Proiect HORIZON-INFRA-2021-DEV-02-02 E-RHIS	Salonul Internațional de Invenții și Inovații „TRAIAN VUIA” Timișoara, ediția a IX -a, 15-17 Iun 2023, Timișoara, Romania, Timisoara, 15/06/2023	M. Dinu, R. Rădvan, M. Stancu
93.	Quaternary ZrCuCa-X thin films metallic glasses for orthopaedics	International Conference on Biomaterials and Regenerative Medicine BIOREMED'2023, 19-21 Iulie Sibiu, Romania, Sibiu, 20/07/2023	Ioana Maria Marinescu, Anca C.Parau, Alina Vladescu (Dragomir), Mihaela Dinu, Cosmin M.Cotrut

94.	Realizarea de unitati de pompare eficiente, cu gabarit redus, capabile sa genereze presiuni mari, la debite mici / Developing high-efficiency, small-sized pumping units capable of generating high pressures at low flow rates	Expozitia Internationala InventCor 2023, Romania, Deva, 15/09/2023	T.C. Popescu, A.P. Chirita, A.-M.C. Popescu, A.I. Popescu
95.	Research on the use of sensors and automatic control systems in the processes that influence the generation of thermal energy based on the TLUD principle	INVENTICA 2023 – The 27th International Exhibition of Inventions, Romania, Iasi, 22/06/2023	G. Matache
96.	Searching for signs of an old wooden church in Breb, Maramureş	12th International Workshop on Advanced Ground Penetrating Radar (IWAGPR'23), 5-7 Iul 2023, Portugalia, Lisabona, 05/07/2023	V. Drăguţ, L.C. Ratoiu
97.	Serotonin detection in artificial plasma based on modified graphene-aniline electrochemical sensors	Nanotexnology 2023 - 20th International Conference on Nanosciences & Nanotechnologies, Grecia, Thessaloniki, 06/07/2023	S.-M. Iordache, A. M. I. Trefilov, A.- M. Iordache, A. V. Filip, I. C.Vasiliu, M. Elisa, I. Chilibon, S. Caramizoiu, C. E. A. Grigorescu
98.	Silver based transparent thin films with antibacterial properties, obtained by physical vapor deposition on a transparent and flexible polymeric substrate	INTERNATIONAL EXHIBITS APPLICATION INOVA - BE THE ROLE MODEL 2023, 26-29 septembrie 2023, Zagreb, Croatia, Croația, Zagreb, 28/09/2023	Catalin Vitelaru, Anca Constantina Parau, Iulian Pana, Alina Dragomir, Adrian Kiss, Lidia Constantin, Mihaela Dinu; Badea Mihaela, Adochite Cristina- Stefania, Idomir Mihaela Elena, Floroian Laura; Lavinia Elena Tonofrei
99.	Simulation of a graphene-based long period grating fiber sensor operation as detector of metallic impurities in composite material	ICCS26 - 26th International Conference on Composite Structures & MECHCOMP8 - 8th International Conference on Mechanics of Composites, Portugalia, Porto, 30/06/2023	M. Tăutan, Dan Savastru, R. Savastru, I. Lăncrănjan
100	Sistem de pompare la presiuni inalte echipat cu minibostere	Salonul International al Cercetarii Stiintifice, Inovarii si Inventicii PRO INVENT 2023, Romania, Cluj-Napoca, 26/10/2023	T. C. Popescu, A.P. Chirita, A. Vlad, C. Teodoru
101	Sistem solar hibrid cu protectie la suprasarcina	Salonul International al Cercetarii Stiintifice, Inovarii si Inventicii PRO INVENT 2023, Romania, Cluj-	I. Pavel, R.-I. Radoi, G. Sovaiala, K. Pavel

		Napoca, 26/10/2023	
102	Spatiotemporal Changes of Urban Land Cover Impacts on the Thermal Environment in Bucharest	Conferinta Internationala Mediterranean Geosciences Union MedGU-23, Turcia, Istanbul, 30/11/2023	M. Zoran, R. Savastru, Dan Savastru, M. Tautan, D. Tenciu
103	Spectral characterization and detection of skin tumors based on hyperspectral imaging	International Conference on Radiation Applications (RAP 2023), Grecia, Anavyssos, 31/05/2023	Mihaela Antonina Calin, Dragos Manea, Andrei Dumitrescu, Sorin Viorel Parasca
104	Spectral monitoring via Raman spectroscopy of selective dental restorative materials and assessment of their capacity to treat cavities in extensively damaged teeth	Nanotexnology 2023 - 20th International Conference on Nanosciences & Nanotechnologies, Grecia, Thessaloniki, 06/07/2023	A.-M. Iordache, E. Gatin, C.-R. Luculescu, S.-M. Iordache, I. C. Vasiliu, M. Elisa, I. Chilibon, C.E.A. Grigorescu, R. R. Ilici
105	Spectro-electrochemical properties of a new non-enzymatic modified working electrode used for histamine assessment in the diagnosis of food poisoning	Nanotexnology 2023 - 20th International Conference on Nanosciences & Nanotechnologies, Grecia, Thessaloniki, 06/07/2023	S.-M. Iordache, A.-M. Iordache, A. Zubarev, M. Cuzminschi, R.-E. Bohiltea, C. Giuglea, S. Caramizoiu, I. C. Vasiliu, M. Elisa, I. Chilibon, C.E.A. Grigorescu
106	Stand for optimization of blades hydrodynamic profile and for functional tests in hydraulic turbine rotors - brevet: RO131813B1- 28.02.2022	EUROINVENT 2023 - 15th European Exhibition of Creativity and Innovation, Romania, Iasi, 12/05/2023	T.C. Popescu, R. Radoi, M. Blejan
107	Stand pentru testarea sistemelor de pompare la presiuni inalte echipate cu minibostere	Salonul International al Cercetarii Stiintifice, Inovarii si Inventicii PRO INVENT 2023, Romania, Cluj-Napoca, 26/10/2023	T.C. Popescu, A.P. Chirita, A. Vlad, C. Teodoru
108	Stand with tilting water bed for testing hydraulic microturbines	INVENTICA 2023 – The 27th International Exhibition of Inventions, Romania, Iasi, 22/06/2023	T. Popescu, I. Dumitrescu, R. Radoi
109	Statistical classification of LIBS and hyperspectral data for mapping the interventions on a historical building	8th International Conference on Analytical Techniques in Art and Cultural Heritage (TECHNART 2023), 7-12 May 2023, Lisbon, Portugalia, Lisabona, 07/05/2023	M. Dinu, L.C. Ratoiu, C. Călin, G. Călin
110	Structural, mechanical and degradation properties of Mg doped hydroxyapatite deposited on AZ31B alloys	E-MRS 2023 Spring Meeting, May 30 – June 1 2023, Strasbourg, Franta, Franta, Strasbourg, 01/06/2023	Catalin Vitelar, Anca Constantina Parau, Mihaela Dinu, Cosmin Mihai Cotrut, Iulian Pana, Diana Maria Vranceanu, Lidia R. Constantin, Ioana

			Maria Marinescu, Catalin Vitelar, Giuseppe Serratore, Giuseppina Ambrogio, Alina Vladescu (Dragomir)
111	Tailored Ag doping by HiPIMS of hydroxyapatite coatings for use in spine surgery	International Conference on Plasma Physics and Applications - CPPA2023, Iași, Romania, 14- 16 of June 2023., Romania, Iasi, 15/06/2023	M. Dinu, A.C. Parau, C.N. Zoita, A.E. Kiss, M. Braic
112	The MARS INO BSRN station Quality Control and Comparison with Satellite Data	'Ninth International Conference on Remote Sensing and Geoinformation of Environment, Cipru, Ayia Napa, 03/04/2023	Konsta Fragkos
113	Theoretical and experimental contributions to optimizing the dynamic parameters of multipurpose motor trucks by using hydrostatic transmissions	EUROINVENT 2023 - 15th European Exhibition of Creativity and Innovation, Romania, Iasi, 12/05/2023	Al. P. Chirita
114	Thin Film Microstructure Optimization Chamber	The International Conference on Novel Materials Fundamentals and Applications, Slovakia, Štrbské Pleso, 17/10/2023	O. Todor-Boer, T. Blaga
115	Thin transparent copper-based multilayer structures with heat reflector properties	INTERNATIONAL EXHIBITS APPLICATION INOVA - BE THE ROLE MODEL 2023, 26-29 septembrie 2023, Zagreb, Croatia, Croația, Zagreb, 27/09/2023	Vitelaru Catalin, Pana Iulian, Parau Anca Constantina, Dinu Mihaela, Alina Vladescu, Adrian Emil Kiss
116	Time Series Satellite Data for Assessment of Urban Air Pollution and Climate Dynamics impacts on COVID-19 transmission in Bucharest	International Conference ENGW 2023, Grecia, Rhodos, 22/07/2023	Dan Savastru, M.Zoran, R. Savastru, M. Tautan, D. Tenciu
117	Troliu hidraulic cu recuperarea energiei potențiale și controlul vitezei fără droselizarea fluidului de lucru	Salonul Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT 2023, România, Cluj-Napoca, 26/10/2023	I. Lepadatu, L. Dumitrescu, St.M. Sefu, A.P. Chirita, R.I. Radoi
118	Universal stand for volumetric rectilinear and rotary machines endurance - brevet: RO133361B1-28.10.2022	EUROINVENT 2023 - 15th European Exhibition of Creativity and Innovation, Romania, Iasi, 12/05/2023	T.C. Popescu, I. Balan, R. Radoi
119	Use of invasive herbaceous plants for biomonitoring	AGRICULTURE AND FOOD - CURRENT AND FUTURE	L. Levei, O. Cadar, T. Blaga, I. Torok, A. Ozunu

	pollution with toxic metals	CHALLENGES - AGRIFA, Romania, Cluj-Napoca, 20/10/2023	
120	Using Artificial Neural Networks to resolve the aerosol type	GRASP ACE summer school, Franta, Lille, 26/05/2023	Nicolae V., Vasilescu J., Talianu C., Nicolae D
121	Vitreous potassium-phosphate fertilizers and method for preparing the same	International Exhibition INVENTCOR, 4th edition, 14-16.09.2023, Romania, Deva, 15/09/2023	B. A. Sava, L. Boroica, M. Sava, M. Elisa
122	Water quality of Somes river downstream of Cluj-Napoca city	AGRICULTURE AND FOOD - CURRENT AND FUTURE CHALLENGES - AGRIFA, Romania, Cluj-Napoca, 20/10/2023	C. Tanaselia, A. Mereuta, A. E. Levei, O. Cadar, N. Velisco
123	Wind power system	INVENTICA 2023 – The 27th International Exhibition of Inventions, Romania, Iasi, 22/06/2023	C. Cristescu, V. Dulgheru, I. Dumitrescu, R. Radoi, L. Dumitrescu
124	ZrCuCa – based quaternary thin film metallic glasses used for medicine	E-MRS 2023 Spring Meeting, May 30 – June 1 2023, Strasbourg, Franta, Franta, Strasbourg, 01/06/2023	Iulian Pana, Anca C. Parau, Ioana M. Marinescu, Lidia R. Constantin, Mihaela Dinu, Catalin Vitelaru, Alina Vladescu (Dragomir)
125	ZrCuCa- quaternary thin film metallic glasses used for applications in medicine	20th International Conference on Nanosciences & Nanotechnologies (NN23) 4-7 July 2023, Thessaloniki, Greece, Grecia, Thessaloniki, 05/07/2023	A. Vladescu (Dragomir), I. Pana, A. C. Parau, I. M. Marinescu, L. R.Constantin, M. Dinu, C. Vitelaru