

ANEXA 11 Comuncări științifice

Nr. Crt.	TITLUL	EVENIMENT	AUTORI
Comuncări invitate			
1.	Process control loops using optical emission spectroscopy in reactive sputtering	ESCAMPIG XXVI, Cehia, Brno, 11/07/2024	C. Vitelaru, I. Pana, A.C. Parau, M. Dinu, L.R. Constantin, A. Vladescu
2.	Preliminary investigations of the mural paintings from the initial Episcopal Church of Râmnicu-Vâlcea (Romania)	OPTO-HS International Conference on Optoelectronics and Heritage Science -1st edition, Romania, online, 21/11/2024	Lucian-Cristian Ratoiu
3.	Advancing FAIR Data in Heritage Science Research: Updates on the INFRA-ART Spectral Library	OPTO-HS International Conference on Optoelectronics and Heritage Science -1st edition, Romania, online, 21/11/2024	Ioana Maria Cortea
4.	BIOACTIVE COATINGS AS BIOMATERIALS FOR METALLIC ORTHOPEDIC IMPLANTS	New Trends on Sensing-Monitoring- Telediagnosis for Life Sciences, Romania, BRASOV, 20/09/2024	Alina Vladescu (Dragomir), Iulian Pana, Mihaela Dinu, Anca C. Parau, Lidia R.Constantin, Catalin Vitelaru
5.	Techniques for the preparation of bioactive coatings on metal-based implants to control of degradation in body solutions	"Bioanalytical (Tele)Monitoring for Life Sciences – Medicine, Food Control, Environmental Monitoring", Romania, BRASOV, 16/09/2024	ALINA VLADESCU (DRAGOMIR)
6.	Communicating Science	Sky over Berlin HARMONA training school, Germania, Berlin, 10/04/2024	Anca Viorica Nemuc
7.	HARD-COATINGS FOR WOODWORKING APPLICATIONS	22nd International Balkan Workshop on Applied Physics and Materials Science" – IBWAP2024, Romania, Constanta, 11/07/2024	Vladescu (Dragomir)*, A.C.Parau, M.Dinu
8.	Titanium silicon carbonitride coatings for woodworking applications	10th International Conference on Materials Science and Technologies – ROMat 2024, Romania, Bucuresti, 15/11/2024	A.Vladescu (Dragomir)*, A.C. Parau, M.Dinu, C.P.Dragomir
9.	Elasticlidar	AGORA aerosol training school, Spania, Granada, 06/06/2024	D. Nicolae
10.	Planar multilayers plasmonics for optoelectronic devices	Advanced Topics on Measurement and Simulation, ATOMS 2024, Romania, Constanta, 30/08/2024	A. Popescu, Dan Savastru

11.	Techniques for the preparation of bioactive coatings on metal-based implants to control of degradation in body solutions	Scoala de vara "Bioanalytical (Tele)Monitoring for Life Sciences– Medicine, Food Control, Environmental Monitorin, Romania, BRASOV, 20/09/2024	ALINA VLADESCU (DRAGOMIR)
Comunicari orale			
1.	Enhanced Solar Thermal Collector Coatings: Advancing Energy Efficiency and Mechanical Strength	EMRS 2024 Spring meeting, Franta, Strasbourg, 31/05/2024	, Pana, I., Parau, A.C., Dinu, M., Kiss, A.E., Constantin, L.R., Vladescu (Dragomir), A., Vitelaru, C.
2.	Time series satellite data for assessment of droughts impacts on vegetation land cover in dryland Constanta County Romania	RSCy2024 'Tenth International Conference on Remote Sensing and Geoinformation of Environment', Cipru, Cipru, 09/04/2024	Marina Tautan, Maria Zoran, Roxana Radvan, Dan Savastru, Daniel Tenciu
3.	Urban Green Space and Albedo Impacts on Surface Temperature in Bucharest Metropolitan Area	RSCy2024 'Tenth International Conference on Remote Sensing and Geoinformation of Environment', Cipru, Cipru, 09/04/2024	Maria Zoran, Roxana Radvan, Dan Savastru, Marina Tautan, Adrian Penache
4.	ACCuReSy Project - new approaches in studying convective environments in Romania and lessons learned	Scientific Research and Education in the Air Force, Romania, Brasov, 24/05/2024	Simona Andrei, Mariana Adam, Răzvan Pîrloagă, Vasile Prisacariu, Adrian Piticar
5.	Monitoring the atmospheric features at MARS during convective seasons 2022 and 2023	Scientific Research and Education in the Air Force, Romania, Brasov, 24/05/2024	Simona Andrei, Mariana Adam, Răzvan Pîrloagă
6.	Tehnici si metode spectroscopice pentru investigarea patrimoniului cultural	Atelierul de la Ionești", Asociația Biserici Înlemnitate, Biserica din Ionești, Parohia Țărmure Ionești, Romania, Arad, 10/04/2024	L. Ratoiu, M. Dinu, L. Ghervase
7.	Spatio-temporal distribution of convective events in Romania	Scientific Research and Education in the Air Force, Romania, Brasov, 24/05/2024	: Adrian Piticar, Simona Andrei, Alexandru Tudor
8.	Aerosol layer classification from remote sensing observations using deep learning	European Aerosol Conference - EAC2024, Finlanda, Tampere, 26/08/2024	Camelia Talianu, Doina Nicolae, Victor Nicolae, Jeni Vasilescu
9.	Optical modulator based on surface plasmon resonance structure containing As ₂ S ₃ film	2nd International Conference on Laser, Plasma and Radiation - Science and Technology" (ICLPR-ST), Romania, Tulcea, 21/06/2024	Aurelian Popescu, Dan Savastru
10.	Sistem de potabilizare ape de suprafata –	Workshop "Managementul integrat sustenabil al resurselor si	Adriana-Mariana Bors, Catalin Dumitrescu

	componenta a Ansamblului Memorial Ivan Patzaichin	utilizarii apei in contextul dezvoltarii durabile. Provocari si solutii”, Romania, Timisoara, 15/03/2024	
11.	Fluid Power in the context of reconstruction and resilience / PATENT No. A 2019 00240 Eco-friendly emulsion for mechanical processing by splintering and the obtaining procedure	Innovation Workshop, Norvegia, As, 25/04/2024	Adriana-Mariana Bors
12.	Ansamblu inovativ dual actionat electro-hidraulic cu functie de colectare si potabilizare apa	Simpozion AGIR „Progresul Tehnologic - Rezultat al cercetarii”, Romania, Bucuresti, 22/04/2024	Stefan-Mihai Sefu, Adriana-Mariana Bors, Liliana Dumitrescu, Valentin Barbu, Andrei-Alexandru Benescu, Teodor Froilu, Ionut-Razvan Serbu
13.	Linii tehnologice de valorificare a biomasei vegetale	Simpozion AGIR „Progresul Tehnologic - Rezultat al cercetarii”, Romania, Bucuresti, 22/04/2024	Gabriela Matache, Gheorghe Sovaiala, Ioan Pavel, Stefan-Mihai Sefu
14.	Aspects regarding the design of a low-head hydraulic turbine test stand	12th International Symposium on Machine and Industrial Design in Mechanical Engineering KOD 2024, Ungaria, Balatonfured, 24/05/2024	Teodor Costinel Popescu, Alexandru-Polifron Chirita, Sergiu Nicolaie, Rares-Andrei Chihai
15.	Research on the optimal granulation of biomass in a vibrating-fluidized bed dryer	12th International Symposium on Machine and Industrial Design in Mechanical Engineering KOD 2024, Ungaria, Balatonfured, 24/05/2024	Ioan Pavel, Alexandru-Polifron Chirita, Gabriela Matache, Gheorghe Sovaiala, Alina Popescu, Stefan-Mihai Sefu, Kati Pavel
16.	Hydrostatic power transmission system for wind turbines	24th International Multidisciplinary Scientific GeoConference SGEM 2024, Bulgaria, Albena / online, 04/07/2024	Catalin Dumitrescu, Alexandru-Polifron Chirita, Stefan-Mihai Sefu, Adriana Mariana Bors, Ana-Maria Carla Popescu
17.	Photovoltaic system for powering a remote actuation system	24th International Multidisciplinary Scientific GeoConference SGEM 2024, Bulgaria, Albena / online, 04/07/2024	Radu-Iulian Radoi, Liliana Dumitrescu, Bogdan Tudor, Andrei-Alexandru Benescu, Robert Blejan
18.	Labelling of aerosol remote sensing facilities	Aerosol Remote Sensing workshop, Italia, Matera, 07/11/2024	D. Nicolae
19.	CARS inter-comparison campaigns in 2024	Aerosol Remote Sensing workshop, Italia, Matera, 07/11/2024	L. Belegante
20.	Linking urbanization with air pollution and thermal	RSCy2024 - Tenth International Conference on Remote Sensing and	Maria Zoran, Roxana Radvan, Dan Savastru,

	environment in Bucharest metropolis	Geoinformation of the Environment, International Conference on Remote Sensing and Geoinformation of Environment, Cipru, Cipru, 08/04/2024	Marina Tautan, Alexandru Stanciu
21.	Seismic Surveillance of Vrancea Active Region in Romania by Time Series Satellite Data Anomalies	RSCy2024 International Conference on Remote Sensing and Geoinformation of Environment, Cipru, Cipru, 09/04/2024	Marina Tautan, Maria Zoran, Roxana Radvan, Dan Savastru, Alexandru Stanciu
22.	Go-on-target in art	International Conference on Optoelectronics and Heritage Science - Pilot Edition, Romania, online, 09/09/2024	M Dinu
23.	3D-VIMM - A Web-Based Platform for 3D visualization of Cultural Heritage Multimodal Imaging data	International Conference on Optoelectronics and Heritage Science - Pilot Edition, Romania, online, 09/09/2024	Angheluta Laurentiu, Alexandru Popovici, Lucian Ratoiu
24.	A combined spectroscopic & imaging techniques approach for revealing hidden early paintings by Hans Mattis-Teutsch	International Conference on Optoelectronics and Heritage Science - Pilot Edition, Romania, online, 09/09/2024	L. Ratoiu L. Angheluță, A.I Chelmuș, L. Ghervase, I.M. Cortea
25.	Open-access to shared research infrastructures	OPTO-HS International Conference on Optoelectronics and Heritage Science -1st edition, Romania, online, 21/11/2024	Luminița Ghervase, Monica Dinu, Laurențiu-Marian Angheluță, Lucian-Cristian Ratoiu
26.	Biotehnologii folosite in restaurarea picturii murale	Conferința Națională de Conservare-Restaurare „Doina Darvas” cu tema Cercetarea și prezervarea patrimoniului cultural – materiale, tehnici și tehnologii specific, Romania, Bucuresti, 08/11/2024	I. Gomoiu, M. Dumbravicean, I. Oltean, R. Radvan
27.	Development and characteristics of sub-stoichiometric high entropy carbonitride coatings for friction applications	The 9th Ed. of the Smart Materials and Surfaces, SMS 2024 Conference, Session Smart coatings and Surfaces / Biomaterials / Bio-nano-materials, Spania, BARCELONA, 24/10/2024	N.C. Zoita, M. Dinu, A. C. Parau
28.	Showcases of wind lidar, cloud radar, and ceilometer synergy	CCRES workshop /ACTRIS week, Italia, Matera, 07/11/2024	Mariana Adam, Anca Viorica Nemuc, Razvan Gabriel Pirloaga
29.	The European COST Networking Action Harmonia: International network for harmonization of atmospheric aerosol	AERONET Science and Application Exchange, Statele Unite ale Americii, College Park, DC, 19/09/2024	Anca Viorica Nemuc

	retrievals from ground-based photometers		
30.	Magnetron sputtered metallic thin films for optical and electromagnetic radiation management	10th International Conference on Materials Science and Technologies – RoMat 2024, Romania, Bucuresti, 15/11/2024	Catalin VITELARU, Iulian PANA, Anca C. PARAU, Mihaela DINU, Alina VLADESCU (DRAGOMIR), Adrian E. KISS, Lidia R. CONSTANTIN, Arcadie SOBETKII, Iulian IORDACHE
31.	Multilayered coatings for protecting of cutting tools which work in server wear regimes used in woodworking tools	9th Annual Edition of International Invention Innovation Competition in Canada, iCAN 2024, 26 AUGUST 2024, online, Canada, Toronto, 26/08/2024	Alina Vlădescu (Dragomir), Anca C. Pârâu, Diana M. Vrânceanu, Mihaela Dinu, Lidia R. Constantin, Cătălin Vițelaru,
32.	Multilayered coatings for protecting of cutting tools which work in server wear regimes used in woodworking tools-A/00093/2023	Salonul EUROINVENT 2024 – 16th Edition, Romania, Iasi, 07/06/2024	A.Vladescu (Dragomir), A.C. Pârâu, D.M. Vrânceanu, M.Dinu, L.R. Constantin, C.Vitelaru
33.	Optimization of Cu-SiNx multilayer structures for low emissivity applications	7th International Conference on Emerging Technologies in Materials Engineering – EmergeMAT, Romania, Bucuresti, 30/10/2024	, I. Pana, A.C. Parau, M. Dinu, L.R. Constantin, A.E. Kiss, C. Vitelaru
34.	Multilayered coatings for protecting of cutting tools which work in server wear regimes used in woodworking tools-A/00093/28.02.2023	1st EURO POLITEHNICUS International Exhibition of Innovation and Invention, Romania, Bucuresti, 22/11/2024	A.Vladescu (Dragomir), A.C. Pârâu, D.M. Vrânceanu, M.Dinu, L.R. Constantin, C.Vitelaru:
35.	GRASP retrieval of aerosol microphysical and optical properties using ceilometer and photometer as input	13th E-Profile Expert Team Meeting, Global, online, 26/11/2024	Mariana Adam
36.	Method and means of testing low-head hydraulic turbines	28th International Conference on Hydraulics and Pneumatics HERVEX 2024, Romania, Baile Govora, 14/11/2024	Teodor Costinel Popescu, Alina-Iolanda Popescu, Rares-Andrei Chihaiia
37.	Practical aspects regarding implementation of PID controller on a Programmable Logic Controller	28th International Conference on Hydraulics and Pneumatics HERVEX 2024, Romania, Baile Govora, 14/11/2024	Marian Blejan, Robert Blejan
38.	Development and laboratory testing of a digital flow control unit	28th International Conference on Hydraulics and Pneumatics HERVEX 2024, Romania, Baile Govora,	Bogdan Tudor, Radu-Iulian Radoi, Robert Blejan, Ioana Ilie, Stefan

		14/11/2024	Dumitru
39.	Simcenter Amesim-based optimization of an experimental test stand for ultra-low head hydraulic turbines optimization	28th International Conference on Hydraulics and Pneumatics HERVEX 2024, Romania, Baile Govora, 14/11/2024	Alexandru-Polifron Chirita
40.	Recovery of potentially toxic compounds from phosphoric ester-based hydraulic fluids (HFDR) used in the mining industry	28th International Conference on Hydraulics and Pneumatics HERVEX 2024, Romania, Baile Govora, 14/11/2024	Adriana Mariana Bors, Liliana Dumitrescu, Iuliana Gageanu, Alina-Iolanda Popescu, Tudor Vasile Blaga
41.	Considerations regarding the implementation of hydrostatic transmissions in wind turbine power transmission systems	28th International Conference on Hydraulics and Pneumatics HERVEX 2024, Romania, Baile Govora, 14/11/2024	Liliana Dumitrescu, Alexandru-Polifron Chirita, Radu-Iulian Radoi, Stefan-Mihai Sefu, Adriana Mariana Bors, Catalin Dumitrescu, Eugen Marin
42.	Solutii inovative de cilindri hidraulici digitali	AI XXVI-lea Simpozion National de Utilaje pentru Constructii SINUC 2024, Romania, Bucuresti, 12/12/2024	Gabriela Matache, Ioan Pavel, Stefan-Mihai Sefu
43.	Estimarea impactului vibratiilor asupra operatorilor din domeniul constructiilor utilizand o retea neuronala artificiala	AI XXVI-lea Simpozion National de Utilaje pentru Constructii SINUC 2024, Romania, Bucuresti, 12/12/2024	Alexandru-Polifron Chirita, Mihail Savaniu, Radu Panaitescu-Liess, Bogdan Bebeselea, Alexandru Hansa
44.	3D Printed Integrating Sphere Coated with Highly Reflective Surface Coating Using BaSO4	Bucharest University Faculty of Physics 2024 Meeting, Romania, Magurele, 24/05/2024	Stefan CARAMIZOIU, *, Stefan-Marian IORDACHE, *, Ana-Maria IORDACHE, Ana-Maria RADUTA, Valentin BARNA, Ileana Cristina VASILIU, Irinela CHILIBON, Cristiana Eugenia Ana GRIGORESCU
45.	Comparison of different types of semiconducting polymers as sensors for kidney failure	Bucharest University Faculty of Physics 2024 Meeting, Romania, Magurele, 24/05/2024	Buzatu George, Ana-Maria Iordache, Stefan Caramizoiu, Irina Negut, Ana-Maria Raduta, Stefan-Marian Iordache, Bogdan Biță
46.	Physical properties of submicrometric RF-sputtered CdTe thin films for photovoltaic applications	10th International Conference on Advanced Materials, ROCAM 2024 (15th – 18th July), Romania, Bucuresti, 16/07/2024	Ana-Maria FLOREA (RADUTA), Ana-Maria IORDACHE, Stefan CARAMIZOIU, Ana-Maria PANAITESCU, Marina MANICA, Sorina IFTIMIE, Vlad-Andrei ANTOHE, Ovidiu TOMA, Adrian

			RADU, Lucian ION, Mirela Petruta SUCHEA, Stefan ANTOHE
47.	Air quality assessment using MARS supersite measurements in South-East Europe	European Aerosol Conference 2024, Finlanda, Tampere, 25/08/2024	J. Vasilescu, D. Nicolae, A. Nemuc, L. Belegante, A.V. Dandocsi, A. Ilie, A.M. Dandocsi
48.	Near real time source apportionment of carbonaceous aerosols : lessons learnt from RI-URBANS pilot study	European Aerosol Conference 2024, Finlanda, Tampere, 25/08/2024	J.-E. Petit, H. Timonen, A. Chauvigné, O. Favez, M. Gherras, M. Savadkoohi, M. Pandolfi, and all pilot participants
49.	Across Mediterranean Experiment for the Cal/Val of the Earthcare Mission	IGARSS 2024-2024 IEEE International Geoscience and Remote Sensing Symposium, Grecia, Athens, 07/07/2024	Eleni Marinou, Vassilis Amiridis, Peristera Paschou, Alexandra Tsekeri, Ioanna Tsikoudi, Kaliopi-Artemis Voudouri, Anna Gialitaki, Maria Tsihla, Kyriaki Papachristopoulou, Dimitra Kouklaki, Iliana Koutsoupi, Elina Giannakaki, Stelios Kazadzis, Dimitris Balis, Kostantinos Michailidis, Geprgia Peletidou, Anca Nemuc, Doina Nicolae, Grisa Močnik, Franco Marengo, Maria Kezoudi, Silke Gross, Martin Wirth, Florian Ewald, Ewan O'Connor, Ville Vakkari, Dmitri Moisseev, Pavlos Kollias, Lucia Mona, Nikos Papagiannopoulos, Marco Rosoldi, Rodanthi-Elisavet Mamouri, Dragos Ene, Athina Floutsi, Holger Baars
50.	Progress in CARPORT for implementation of Step1b workflow	CARS-ARES meeting, Italia, Matera, 08/11/2024	V. Nicolae
51.	CARGO-ACT remote sensing	ACTRIS Week, Italia, Matera, 08/11/2024	D. Nicolae
52.	DIVA platform in a nutshell	CARS webinar, Global, online, 11/06/2024	D. Nicolae
53.	Status of the lidar QA/QC	CARS webinar, Global, online, 16/01/2024	D. Nicolae

54.	ARS labelling process and status	CARS-HO meeting, Romania, Magurele, Ilfov, 22/02/2024	D. Nicolae
55.	Implementation status of the CARS Units and plans near future	CARS-HO meeting, Romania, Magurele, Ilfov, 22/02/2024	D. Nicolae
56.	Content of the landing page	CARS-ARES meeting, Italia, Matera, 08/11/2024	V. Nicolae
57.	Process and status of the ACTRIS NF labelling	CARS webinar, Global, online, 08/10/2024	D. Nicolae
58.	The implementation of the principles of circular economy in agriculture	VIII. AGROPODIUM, Ungaria, Nyiregyhaza, Online, 27/11/2024	E. Kovacs, C. M. Balgaradean
59.	The REESOURCE Project - Sustainable approaches to treat wastewater effluent from REEs mineral extraction: towards zero pollution and water reuse	Biennial Forum of the Network on Environmental Management and Remediation, Austria, Viena, 17/12/2024	L. Ferrando-Climent, D. Yilmaz, N. Gajendra, D. Ansva, M. Pelkonen, M. L. Dinis, M. C. Vila, E. Levei, I. Török, C. Escudero
60.	A new thin film processing technique	THE 28th International Conference on Hydraulics and Pneumatics HERVEX 2024, Romania, Baile Govora, 14/11/2024	T. Blaga, O. Todor-Boer
61.	Urban Built Environment Impact on Summer Extreme Heat across Two Romanian cities	Conferinta Internationala Mediterranean Geosciences Union MedGU-24, Spania, Barcelona, 29/11/2024	Maria Zoran, Roxana Radvan, Dan Savastu, Marina Tautan, Daniel Tenciu, Alexandru Stanciu
62.	Remote Sensing Monitoring of the Climate Change and Anthropogenic Impacts on Periurban Forest Phenology	Conferinta Internationala Mediterranean Geosciences Union MedGU-24, Spania, Barcelona, 29/11/2024	Dan Savastu, Maria Zoran, Roxana Radvan, Marina Tautan, Daniel Tenciu, Alexandru Stanciu
63.	Applications of aerial thermography in archaeology	XGEN NEXT 100 International Student Scientific Communications Conference, VII th Edition, Romania, Baia Mare, 20/05/2024	A.M. Pătrașcu, L.M. Angheluță, L.C. Ratoiu
64.	SEED OF MEASUREMENT CHOICE IMPACT ON THE SZILARD ENGINE PERFORMANCE	TIM 24 International Physics Conference (30th May - 1st June 2024), Romania, Timisoara, 31/05/2024	Marina Cuzminschi, Alexei Zubarev, Stefan-Marian Iordache, Aurelian Isar
65.	SHUNTING OF HIGHLY DISSIPATIVE ARRAYS OF JOSEPHSON JUNCTIONS	22st International Balkan Workshop on Applied Physics Constanța, Romania, July 9-12, 2024, Romania, Constanta, 11/07/2024	Marina CUZMINSCHI, Alexei Zubarev, Ana-Maria IORDACHE, Stefan-Marian IORDACHE
66.	Machine learning approach for source apportionment	NF Forum WG on AIS Source Apportionment, Franta, Online,	Andrei Valentin Dandocsi, Jeni Georgeta Vasilescu

		22/11/2024	
67.	Analiza fluidelor hidraulice si valorificarea compusilor potential toxici pe baza de esterii fosforici (HFDR)	AI XXVI-lea Simpozion National de Utilaje pentru Constructii SINUC 2024, Romania, Bucuresti, 12/12/2024	Adriana Mariana Bors, Liliana Dumitrescu
68.	Critical raw materials (CRM) recovery from mining waste and the remediation of soils contaminated with potentially toxic elements (PTE) in the context of climate change	25th International Scientific and Technical Conference KOMTECH-IMTech 2024 - Innovative Mining Technologies, Polonia, Szczyrk, 05/11/2024	Iustina Popescu, Adriana Mariana Bors, Liliana Dumitrescu, Alexandru Polifron Chirita, Ana-Maria Turculet, Robert Szabo
69.	Microwave radiometer data quality assurance	COST PROBE final meeting, Franta, Paris, 27/03/2024	Toanca Florica
70.	Activitati stiintifice departament Teledetectie - Misiunea Hera	Ziua Mondiala pentru Reducerea Dezastrelor Naturale la muzeul tehnic Dimitrie Leonida, Romania, Bucuresti, 15/10/2024	Toanca Florica, Nemuc Anca Viorica, Ciocan Ancuta Gabriela
71.	Activitati Stiintifice departament Teledetectie - Radiometru microunde	MWR Workshop, Germania, Julich, 25/04/2024	Toanca Florica
72.	Vrancea seismic hazard assessment by time series satellite data	SCERIN - MedRIN Workshop 2024, Grecia, Chania, 19/07/2024	M. Zoran, R. Radvan, Dan Savastru, M. Tautan
73.	Long term analysis of aerosol optical properties and dominant types over Europe	ACTRIS Science Conference 2024, Franta, Rennes, 16/05/2024	Ancuta Gabriela Ciocan, Anca Viorica Nemuc, Doina Nicoleta Nicolae
74.	Anthropogenic origin pollutants shape microbial metabolites in an alpine soil	36th Annual Conference of the International Society for Environmental Epidemiology Santiago, Chile, Chile, Santiago, 26/08/2024	ED. Kovacs, MH. Kovacs. P. Pereira
75.	Land use impact on soil microbial community in Continental Transylvania (Romania)	36th Annual Conference of the International Society for Environmental Epidemiology Santiago, Chile, Chile, Santiago, 26/08/2024	MH. Kovacs, ED. Kovacs, P. Pereira
76.	Surface functionalization in selective laser melted 17-4 PH by plasma polishing and interstitial diffusion hardening	The Sixteenth International Conference on Local Mechanical Properties (LMP-2024), Cehia, Praga, 29/05/2024	Thomas Lindner, Maximilian Grimm, Frank Schubert, Kerstin Winkler, Thomas Starke, Tobias Weise, Ralph Hunger, Robin Berger, Radim Čtvrtlík, Jan Tomáščík, Alina Vladescu (Dragomir), Thomas

			Lampke,
Comuncări poster			
1.	Ti/TiSi/TiSiN/TiSiCN multilayered structures obtained by cathodic arc evaporation	EMRS 2024 Spring meeting, Franta, Strasbourg, 30/05/2024	Anca C.Parau, Mihaela Dinu, Iulian Pana, Lidia R. Constantin, Catalin Vitelaru, Diana Maria Vranceanu, Alina Vladescu (Dragomir)
2.	Multi-analytical approach for characterisation of Roman age stone monuments	The 6th International Conference on Innovation in Art Research and Technology (InART2024), Norvegia, Oslo, 04/06/2024	M. Dinu, L. Ghervase, I.M. Cortea, C.G. Alexandrescu
3.	STUDY OF SENSITIVE ELECTRODES BASED ON COMPLEXING AZULENE POLYMER FILMS	International Conference CHIMIA 2024 "NEW TRENDS IN APPLIED CHEMISTRY", Romania, Constanta, 30/05/2024	Irinela Chilibon, Ovidiu-Teodor Matica, Cristina Vasiliu, Gabriela Stanciu, Elena Diacu, Eleonora-Mihaela Ungureanu
4.	Experimental Approach to Silicon Heterojunction Tandem Solar Cells	https://encyclopedia.pub/entry/55789 , Elvetia, Basel, 05/03/2024	Laurentiu Fara, Irinela Chilibon, Ileana Cristina Vasiliu, Dan Craciunescu, Alexandru Diaconu, Silviu Fara
5.	Wind and turbulence statistics over Măgurele using ground-based measurements	ACTRIS Science Conference 2024, Franta, Rennes, 14/05/2024	R. Pîrloagă, M. Adam, B. Antonescu and S. Andrei
6.	Multi-analytical approach for similitude analysis of metal Roman age findings	The 6th International Conference on Innovation in Art Research and Technology (InART2024), Norvegia, Oslo, 04/06/2024	M. Dinu, L. Ghervase, A. Ratiu
7.	Plastic marine debris as a worldwide environmental challenge	13th International Conference on Materials Science & Engineering, Romania, Brasov, 13/03/2024	M. Rapa, E. Matei, E.M. Carstea, N. Slavu, A.G. Dinca, C. Predescu
8.	The Danube water collector	EUROINVENT 2024 - 16th European Exhibition of Creativity and Innovation, Romania, Iasi, 07/06/2024	Ioan Lepadatu, Valentin Barbu, Radu-Iulian Radoi, Adriana Mariana Bors
9.	An alternative approach to mapping pigments and binders in mural paintings by combined FTIR spectroscopy, hyperspectral imaging and laser-induced fluorescence scanning	1st European Meeting on Infrared Nanospectro-Imaging (Eu-NanoSpec), Franta, Orasy, 12/03/2024	I.M. Cortea, L. Ghervase, L. Ratiu, L. Angheluță
10.	Towards a FAIR data management in heritage	The 6th International Conference on Innovation in Art Research and	I.M. Cortea

	science research: updates and progress on the INFRA-ART Spectral Library	Technology (InART2024), Norvegia, Oslo, 06/06/2024	
11.	Detection, identification, and mapping of organic binders used in ancient wall paintings by combined non- and micro-invasive mobile spectroscopic techniques	The 6th International Conference on Innovation in Art Research and Technology (InART2024), Norvegia, Oslo, 04/06/2024	I.M. Cortea, L. Ghervase, L. Angheluță, L. Ratoiu, A. Pătrașcu, M. Dinu
12.	New open-access online tools for increased and sustainable accessibility in conservation and heritage science research	30th Biennial IIC Congress - Sustainable Solutions for Conservation: new strategies for new times, Peru, Lima, 23/09/2024	I.M. Cortea
13.	Drying technologies and innovative energy-independent equipment for mountainous and isolated areas	EUROINVENT 2024 - 16th European Exhibition of Creativity and Innovation, Romania, Iasi, 07/06/2024	Gheorghe Sovaiala, Gabriela Matache, Ioan Pavel, Valentin Barbu
14.	Device for drying in tunnel-type fluidized bed with material conveyance by vibrations	EUROINVENT 2024 - 16th European Exhibition of Creativity and Innovation, Romania, Iasi, 07/06/2024	Iulian-Claudiu Dutu, Petrin Drumea, Radu-Iulian Radoi
15.	Aerosol climatology from lidar observations using deep learning	31st International Laser Radar Conference - ILRC2024, Germania, Landhuts, 25/06/2024	Camelia Talianu, Doina Nicolae si Victor Nicolae
16.	Efficient Diffraction Grating Coupling of Light with Surface Plasmon Polariton Waves	Advanced Topics on Measurement and Simulation (ATOMS) , Romania, Constanta, 30/08/2024	A.Popescu, Dan Savastru
17.	Multilayered coatings for protecting of cutting tools which work in server wear regimes used in woodworking tools	The 10th Edition of International Exhibition of Patents and Innovation "Traian Vuia" 2024, Romania, Timisoara, 14/06/2024	A. Vlădescu, LIDIA RUXANDRA CONSTANTIN, MIHAELA DINU, ANCA CONSTANTINA PARAU, CATALIN VITELARU
18.	High-pressure pumping system equipped with miniboosters	INVENTICA 2024 – The 28th International Exhibition of Inventions, Romania, Iasi, 04/07/2024	Teodor Costinel Popescu, Alexandru Polifron Chirita, Andrei Vlad, Constantin Teodoru
19.	Sunflower-type photovoltaic plant	INVENTICA 2024 – The 28th International Exhibition of Inventions, Romania, Iasi, 04/07/2024	Valeriu Dulgheru, Ionas Catalin Dumitrescu, Liliana Dumitrescu, Corneliu Cristescu
20.	Watering equipment with hydrostatic drive and pneumatic spraying	INVENTICA 2024 – The 28th International Exhibition of Inventions, Romania, Iasi,	Corneliu Cristescu, Alexandru Polifron Chirita, Radu Iulian Radoi

		04/07/2024	
21.	Comparative Analysis of Lidar Retrievals: Evaluating Lidar Performance with Normal Telescope Field Stop versus Tilted Slit Solution	31st International Laser Radar Conference (ILRC), Germania, Landshut, 24/06/2024	Livio Belegante, Doina Nicolae, Anca Nemuc, Cristian Radu, Gabriela Ciocan, Razvan Pirloaga, Victor Nicolae
22.	Influence of the intrinsic variability of Raman data on the outcome of PCA classification of ancient ceramics	The 6th International Conference on Innovation in Art Research and Technology (InART2024), Norvegia, Oslo, 04/06/2024	L. Ghervase, V. Atanassova, A. Pirovska
23.	Layers of the past. Non-destructive investigations of the old wall paintings from Râmnicu-Valcea Episcopal Church, Romania	The 6th International Conference on Innovation in Art Research and Technology (InART2024), Norvegia, Oslo, 04/06/2024	L. Ratoiu, I.M. Cortea, L. Ghervase, L. Angheluță
24.	Procedure for determining the thickness and evaluating the degree of degradation of layers by corroborating X-ray imaging analysis and X-ray fluorescence spectroscopy -Patent A00938/15.11.2017	International Salon of Invention and Innovative Entrepreneurship, Moldova, Chisinau, 16/05/2024	A.I. Chelmuș, R. Rădvan, L. Ghervase
25.	Method for in situ LIBS analysis of submerged objects, Patent: A00353/23.06.2020	International Salon of Invention and Innovative Entrepreneurship, Moldova, Chisinau, 16/05/2024	M. Dinu, R. Rădvan
26.	Scientific method for controlled laser cleaning of polychrome objects- Patent: A/00706/09.11.2020	International Salon of Invention and Innovative Entrepreneurship, Moldova, Chisinau, 16/05/2024	M. Dinu, L. Ghervase, L. C. Ratoiu, R. Rădvan
27.	Restaurarea monumentelor istorice: Concepte, teorii, practice, ISBN 9786068922171	International Salon of Invention and Innovative Entrepreneurship, Moldova, Chisinau, 16/05/2024	L. C. Ratoiu
28.	Salon carte - Restaurarea monumentelor istorice: Concepte, teorii, practice, ISBN 9786068922171	16th European Exhibition of Creativity and Innovation EUROINVENT, Romania, Iasi, 06/06/2024	L. C. Ratoiu
29.	Echipament hibrid pentru caracterizarea stratigrafică la nivel elemental și molecular a obiectelor de patrimoniu cultural- Cerere	16th European Exhibition of Creativity and Innovation EUROINVENT, Romania, Iasi, 06/06/2024	M. Dinu, I.M Cortea, L. Ghervase, R. Rădvan

	brevet nr A/ 00757/2023		
30.	Research project- Programme HORIZON- INFRA-2021-DEV-02 European Research Infrastructure for Heritage Science - Implementation Phase - E-RIHS	16th European Exhibition of Creativity and Innovation EUROINVENT , Romania, Iasi, 06/06/2024	R.Rădvan , M. Dinu, M.C. Stancu
31.	Procedeu de determinare a grosimii si de evaluare a gradului de degradare a straturilor prin coroborarea analizei imagistice cu raze X si a spectroscopiei de fluorescenta cu raze X- A00938/15.11.2017, RO 133360 A2	EURO POLITEHNICUS 2024 - International Innovation and Invention Show-1st edition, Romania, Bucuresti, 22/11/2024	A.I. Chelmus, R. Radvan, L. Ghervase
32.	Metodă complexă de identificare, caracterizare și cartare a materialelor policrome multistrat, de la nivel macroscopic la nivel microscopic, A00638 / 09.10.2019, RO 134914 A2	EURO POLITEHNICUS 2024 - International Innovation and Invention Show-1st edition, Romania, Bucuresti, 22/11/2024	M. Dinu, R. Rădvan, L.C. Ratoiu
33.	Research project - Implementation and exploitation of the scientific research results in the practice of restoration and conservation of cultural goods- IMPLEMENT- PN-III- P1-1.2-PCCDI-2017-0878	16th European Exhibition of Creativity and Innovation EUROINVENT 2024, Romania, Iasi, 06/06/2024	R. Rădvan, M. Dinu, M.C. Stancu
34.	Synthesis method of composite powder materials with a (CoCrNiVCu) high-entropy alloy -HEA matrix reinforced with carbide ceramic particles for plasma spraying and the resulting powders	48th International Invention Show - INOVA 2024,, Croația, ZAGREB, 17/10/2024	N.C. Zoita, C.E.A. Grigorescu, M. Dinu, A.M. Iordache, A.C. Parau, A.E. Kiss, L.R. Constantin
35.	Procedeu de obținere a pulberilor de compozit cu matrice de aliaj cu entropie întă - hea de tipul (CoCrNiVCu) ranforsat cu particule ceramice carbidge pentru depuneri prin pulverizare termică cu	1st EURO POLITEHNICUS International Exhibition of Innovation and Invention, Romania, Bucuresti, 22/11/2024	N.C. Zoita, C.E.A. Grigorescu, M. Dinu, A.M. Iordache, A.C. Parau, A.E. Kiss, L.R. Constantin

	jet de plasmă și pulberile astfel obținute		
36.	Multilayer Structures Based on Thin Layers of Copper and Silicon Carbides, Nitrides, and Carbonitrides, With High Transparency and Heat-Reflecting Properties.	48th International Invention Show - INOVA 2024, Croația, ZAGREB, 16/10/2024	VITELARU Catalin, PANA Iulian, PARAU Anca Constantina, DINU Mihaela, DRAGOMIR Alina, KISS Emil Adrian, CONSTANTIN Lidia Ruxandra
37.	Structural, mechanical, wear and anticorrosive properties of protective multilayers based on TiSiC-carbonitrides, used for the development of cutting tools	The 9th Ed. of the Smart Materials and Surfaces, SMS 2024 Conference, Session Smart coatings and Surfaces / Biomaterials / Bio-nano-materials, Spania, BARCELONA, 23/10/2024	Lidia R. Constantin, Anca C. Parau, Mihaela Dinu, Iulian Pana, Catalin Vitelar, Diana Maria Vranceanu, Alina Vladescu (Dragomir)
38.	Ti/TiSi/TiSiN/TiSiCN protective multilayered structures used for Industrial woodworking applications obtained by cathodic arc evaporation	Global Advanced Materials & Surfaces- GAMS 2024, Franta, Paris, 06/06/2024	Lidia R. Constantin, Anca C. Parau, Mihaela Dinu, Iulian Pana, Catalin Vitelar, Diana Maria Vranceanu, Alina Vladescu (Dragomir)
39.	Near field telescope for optimisation of sounding distance of lidar system	EURO POLITEHNICUS 2024 - International Innovation and Invention Show-1st edition, Romania, Bucharest, 22/11/2024	Livio Belegante, Alexandru Marius Dandocsi, Anca Viorica Nemuc, Doina Nicoleta Nicolae, Jeni Georgeta Vasilescu
40.	Laser emission stabilization technique for detection by high spectral resolution lidar	EURO POLITEHNICUS 2024 - International Innovation and Invention Show-1st edition, Romania, Bucharest, 22/11/2024	Livio Belegante, Alexandru Marius Dandocsi, Anca Viorica Nemuc, Doina Nicoleta Nicolae, Cristian Marian Radu, Alin Alexandru Tilea, Jeni Georgeta Vasilescu
41.	Module for determination of the synchronisation factor of the emission-reception channels in lidar systems	EURO POLITEHNICUS 2024 - International Innovation and Invention Show-1st edition, Romania, Bucharest, 22/11/2024	Livio Belegante, Alexandru Marius Dandocsi, Anca Viorica Nemuc, Doina Nicoleta Nicolae, Jeni Georgeta Vasilescu
42.	Aerosol typing results from AERONET data classification and NATALI retrieval	ILRC 2024 31st International Laser Radar Conference, Germania, Landshut, 25/06/2024	Livio Belegante, Ancuta Gabriela Ciocan, Anca Viorica Nemuc, Doina Nicoleta Nicolae, Jeni Georgeta Vasilescu
43.	CrSiCN Based hard-coatings used for woodworking	Simpozionului Internațional „PRIORITĂȚILE CHIMIEI PENTRU O	Alina VLADESCU (DRAGOMIR), Anca C.

	applications	DEZVOLTARE DURABILĂ” PRIOCHEM XX – 2024, Romania, Bucuresti, 17/10/2024	PARAU, Mihaela DINU, Iulian PANA, Catalin VITELARU, Lidia R. CONSTANTIN, Diana Maria VRANCEANU
44.	Structuri multistrat pe baza de straturi subțiri de cupru si carburi, nitruri si carbonitruri de siliciu, cu transparenta ridicata si proprietăți de reflector de căldură	1st EURO POLITEHNICUS International Exhibition of Innovation and Invention, Romania, Bucuresti, 22/11/2024	VITELARU Catalin, PANA Iulian, PARAU Anca Constantina, DINU Mihaela, DRAGOMIR Alina, KISS Emil Adrian, CONSTANTIN Lidia Ruxandra
45.	Valorization of Coffee Waste as a Sustainable Protein Source for Aquaculture Feed	AGRICULTURE AND FOOD - CURRENT AND FUTURE CHALLENGES-AGRIFA, Romania, Online, 25/10/2024	A. Becze, D. Simedru, C. Oana, P. A. Uiuu
46.	GreHSen - Ultrasensitive gas sensor array for greenhouse environment assessment	International Innovation and Invention Show -EURO Politehnicus, 1st Edition, Bucharest, Romania, 22 - 24 Noiembrie 2024, Romania, Bucuresti, 22/11/2024	Stefan-Marian Iordache, Ana-Maria Iordache, Stefan Caramizoiu, Cristiana Eugenia Ana Grigorescu, Bogdan Ionut Bită, Ileana Cristina Vasiliu, Mihail Elisa, Irinela Chilibon, Ana- Maria Florea,
47.	3D Printed Integrating Sphere Coated with Highly Reflective Surface Coating Using BaSO4	The 16th International Conference on Physics of Advanced Materials (ICPAM-16), 7 – 15.09.2024, Turcia, Antalya, 10/09/2024	S. Caramizoiu, S.-M. Iordache, A.-M. Iordache, A.-M (Raduta) Floarea, V. Barna, I. C. Vasiliu, I. Chilibon, C. E. A. Grigorescu
48.	Assessment of Candida spp. in synthetic body fluids using a colorimetric array	The 16th International Conference on Physics of Advanced Materials (ICPAM-16), 7 – 15.09.2024, Turcia, Antalya, 10/09/2024	A.-M. Iordache, S.-M. Iordache, R. E. Boiltea, C. Rizea, A.-M. Florea, S. Caramizoiu, I. C. Vasiliu, I. Chilibon, C. Grigorescu
49.	Intelligent colorimetric sensor for urea assessment in mammalian saliva: diagnosis tool for kidney failure in veterinary practice	The 16th International Conference on Physics of Advanced Materials (ICPAM-16), 7 – 15.09.2024, Turcia, Antalya, 10/09/2024	S.-M. Iordache, A.-M. Iordache, T. Soare, C. Rizea, A. Mazlum, S. Caramizoiu, A.-M (Raduta) Floarea, I. C. Vasiliu, I. Chilibon, C. Grigorescu
50.	FoodESense – Senzor electrochimic pentru siguranta alimentara	International Innovation and Invention Show -EURO Politehnicus, 1st Edition, Bucharest, Romania, 22 - 24 Noiembrie 2024, Romania, Bucuresti, 22/11/2024	Ana-Maria Iordache, Valentin Barna, Stefan- Marian Iordache, Stefan Caramizoiu, Cristiana Eugenia Ana Grigorescu, Bogdan Ionut Bită, Ileana

			Cristina Vasiliu, Mihail Elisa, Irinela Chilibon, Ana-Maria Florea (Raduta)
51.	Hyperspectral imaging can evaluate age-related changes in skin perfusion in the plantar arch territory	2nd European Congress on Biomedical and Veterinary Engineering (BioMedVetMech), Croația, Zagreb, 18/10/2024	Mihaela Antonina Calin, Dragos Manea, Sorin Viorel Parasca
52.	Hyperspectral imaging for the assessment of burn scar hyperpigmentation	2nd European Congress on Biomedical and Veterinary Engineering (BioMedVetMech), Croația, Zagreb, 18/10/2024	Dragos Manea, Mihaela Antonina Calin, Sorin Viorel Parasca
53.	Effect of Cr and Si alloying on the properties of arc plasma deposited ZrCN coatings used in industrial applications	E-MRS Spring Meeting, Franta, Strasbourg, 29/05/2024	L.R. Constantin, C. Vitelaru, A.C. Parau, M. Dinu, I. Pana, A. Vladescu (Dragomir)
54.	Enhanced Wood Cutting Tool Performance by Cathodic Arc Deposition of TiSiN/TiSiCN Coatings. The effect of C/N Gas Flow Rate	10th International Conference on Materials Science and Technologies – ROMAT 2024 , Romania, Bucuresti, 14/11/2024	A.C. Pârâu, M. Dinu, I. Pană, LR. Constantin, C. Vițelaru, A. Vlădescu (Dragomir)
55.	RETRIEVAL OF THE AEROSOL OPTICAL AND MICROPHYSICAL PROPERTIES USING GRASP, OVER MAGURELE, ROMANIA	ILRC 2024 31st International Laser Radar Conference, Germania, Landshut, 25/06/2024	Mariana Adam, Simona Andrei, Livio Belegante, Jeni Vasilescu, Cristian Radu, Milagros Herrera
56.	Four-terminal solar cell with heterojunction structure based on non-toxic metal oxides	International Innovation and Invention Show -EURO Politehnicus, 1st Edition, Bucharest, Romania, 22 - 24 Noiembrie 2024, Romania, Bucuresti, 22/11/2024	Chilibon Irinela, Vasiliu Ileana Cristina, Savastru Dan, Ørnulf Nordseth, Sean Erik Foss, Eduard Monakhov, Raj Kumar, Fara Laurențiu, Mitroi Mihai Răzvan, Ninulescu Valerica, Silvian Fara, Craciunescu Dan
57.	Temporal variability and aerosols source apportionment at RADO Bucharest, Romania	ACTRIS Science Conference, Franta, Rennes, 13/05/2024	J. Vasilescu, A. V. Dandocsi, C. Talianu, L. Belegante, A. Nemuc
58.	Actris, Earlinet, and Cloudnet Cal/Val Contribution to Earthcare Mission	IGARSS 2024-2024 IEEE International Geoscience and Remote Sensing Symposium, Grecia, Athens, 07/07/2024	Eleni Marinou, Holger Baars, Lucia Mona, Ewan O'Connor, Stephanie Rusli, Rob Koopman, Ann Mari Fjæraa, Doina Nicolae
59.	Aerosol properties in the	ACTRIS Science Conference 2024,	D. Nicolae, J. Vasilescu, C.

	last decade as measured by the EARLINET-ACTRIS lidars	Franta, Rennes, 13/05/2024	Talianu, L. Belegante, V. Nicolae
60.	Application of Viola tricolor extracts in cleaning products	"Agriculture and Food - current and future challenges" AGRIFA, Romania, Online, 25/10/2024	A. Becze, D. Simedru, L. Bîlteanu
61.	Determination of policyclic aromatic hydrocarbons of Prunus spinosa fruits	"Agriculture and Food - current and future challenges" AGRIFA, Romania, Online, 25/10/2024	V. Babalau-Fuss, A. Becze
62.	Effects of several accelerators' working mechanisms on Portland cement concrete structure and mechanical properties	10th International Conference on Advanced Materials, Romania, Bucuresti, 16/07/2024	A. F. Simedru, A. Becze, O. Cadar, D. Simedru, I. Ardelean
63.	Evaluation of mercury concentration and mobility in soils around a former chlor-alkali plant using diffusive gradients in thin films (DGT) technique	50th International Conference of Slovak Society of Chemical Engineering (SSCHE), Slovakia, Tatranske Matliare, 23/05/2024	S. Angyus, T. Frentiu, M. Frentiu, E. Covaci, M. Senila
64.	Design of a flat coil electrothermal vaporization device for inductively coupled plasma optical emission spectrometry	International Spring Seminar on Electronics Technology, Cehia, Praga, 16/05/2024	S. Cadar, D. Petreus, T. Patarau, E. Szilagyi
65.	Increasing the efficiency of thermal agent distribution in tunnel drying installations	6th International Conference, MTFI Modern Technologies in the Food Industry, Moldova, Chisinau, 17/10/2024	M. Balan, N. Tislinscaia, V. Visanu, M. Melenciuc, V. Popescu, L. Senila, T. Balan, I. Gidei, P. Severin
66.	Speciation of toxic metals in soil as total and labile fraction using diffusive gradients in thin films (DGT) passive sampling and determination by capacitively coupled plasma optical emission spectrometry	50th International Conference of Slovak Society of Chemical Engineering (SSCHE), Slovakia, Tatranske Matliare, 23/05/2024	E. Covaci, S. Angyus, M. Senila, M. Frentiu, T. Frentiu
67.	Carbohydrates extraction technique from different microalgae species	"Agriculture and Food - current and future challenges" AGRIFA, Romania, Online, 25/10/2024	E. Kovacs, E. Neag, M.-A. Resz, C. Văraticeanu, L. Şenilă, C. Roman
68.	Advancing the Romanian agrifood sector: technology transfer and the role of the Enterprise Europe Network	"Agriculture and Food - current and future challenges" AGRIFA, Romania, Online, 25/10/2024	A.M. Ivan, M.A. Cotiu, C.M. Balgaradean
69.	Concentration of toxic metals in black poplar leaves in urban	"Agriculture and Food - current and future challenges" AGRIFA,	L. Levei, L. Dordai, M. Roman, C. Tanaselia

	environment	Romania, Online, 25/10/2024	
70.	NOVEL SENSOR FOR HISTAMINE DETECTION IN FOOD AND DRINKS	TIM 24 International Physics Conference (30th May - 1st June 2024), Romania, Timisoara, 30/05/2024	Ana-Maria Iordache, Alexei Zubarev, Marina Cuzminschi, Stefan-Marian Iordache
71.	The efficiency of spherical solid target compression via multiple laser beams	2nd International Conference on Laser, Plasma and Radiation – Science and Technology (ICLPR-ST) (June 16-21 2024), Romania, Danube Delta, 18/06/2024	Alexei ZUBAREV, Marina CUZMINSCHI, Ana-Maria IORDACHE, Ștefan-Marian IORDACHE
72.	Application of Raman spectroscopy for in vivo periodontal disease monitoring	2nd International Conference on Laser, Plasma and Radiation – Science and Technology (ICLPR-ST) (June 16-21 2024), Romania, Danube Delta, 20/06/2024	Catalin LUCULESCU, Eduard GATIN, Ana-Maria IORDACHE, Stefan-Marian IORDACHE
73.	Long-term variability of black carbon concentrations at a suburban super-site near Bucharest, Romania	ACTRIS Science Conference 2024, Franta, Rennes, 13/05/2024	Andrei Valentin Dandocsi, Jeni Georgeta Vasilescu, Alexandru Marian Ilie, Doina Nicoleta Nicolae
74.	Supervised machine learning regression techniques for aerosol source identification	European Aerosol Conference - EAC2024, Finlanda, Tampere, 25/08/2024	Andrei Valentin Dandocsi, Jeni Georgeta Vasilescu, Alexandru Marian Ilie, Victor Andrei Nicolae
75.	Long-Term Monitoring of Black Carbon in Măgurele, Romania: A Source Apportionment Approach with the AE33 Aethalometer	International Colloquium 'Physics of Materials' - PM-8, Romania, București, 14/11/2024	Andrei Valentin Dandocsi, Jeni Georgeta Vasilescu, Livio Belegante, Cristina Stan
76.	Hysteresis loop in SPR structures containing thin amorphous As ₂ S ₃ films	10th International Conference on Materials Science and Condensed Matter Physics - MSCMP 2024, Moldova, Chisinau, 04/10/2024	A. Popescu, Dan Savastru
77.	Surface plasmon-waveguide resonances in structures with amorphous As ₂ S ₃ films	10th International Conference on Materials Science and Condensed Matter Physics-MSCMP 2024, Moldova, Chisinau, 04/10/2024	Dan Savastru, A. Popescu
78.	Time series of MODIS satellite data for assessment of climate change and urbanization on vegetation phenology	SCERIN -MedRIN Workshop 2024, Grecia, Chania, 19/07/2024	Dan Savastru, M.Zoran, R.Radvan, M.Tautan
79.	Multiwavelength interferometer-based HSRL	ILRC 2024 31st International Laser Radar Conference, Germania, Landshut, 26/06/2024	Ilya Serikov, Björn Brüggmann, Livio Belegante, Anca Nemuc, Doina Nicolae, Iwona S. Stachlewska, Vassilis

			Amiridis
80.	International network for harmonisation of atmospheric aerosol retrievals from ground based photometers	23rd AeroCom / 12th AeroSat workshop, Franta, Lille, 14/10/2024	S.Vandenbussche , I. Fountoulakis , S. Solomos , S. Kazadzis, C. Toledano , L. Doppler , M. Campanelli , V. Estelles , R. Roman , A . Nemuc, P.Raptis , P. Dagsson Waldhauserova , M. J. Costa , K. Papachristopoulou , A. Baretto , N. Kouremeti , A. Masoom
81.	Multiply HSRL instrument for the Cal/Val of satellite missions-Update	ACTRIS Science Conference 2024, Franta, Rennes, 16/05/2024	Multiply HSRL instrument for the Cal/Val of satellite missions - Update; Livio Belegante, Ilya Serikov, Anca Nemuc, Doina Nicolae, Björn Brüggemann, Vassilis Amiridis, Iwona S. Stachlewska
82.	Synthesis Method of Composite Powder Materials with a (CoCrNiVCu) High-Entropy Alloy (HEA) Matrix Reinforced with Carbide Ceramic Particles for Plasma Spraying and the Resulting Powders	INOVA 2024, 48th International Invention Show, Zagreb, Croatia, 16-19 October 2024, Croația, Zagreb, 19/10/2024	Zoita Nicolae Catalin, Grigorescu Cristiana- Eugenia- Ana, Dinu Mihaela, Iordache Ana Maria, Parau Anca Constantina, Kiss Adrian Emil, Constantin Lidia Ruxandra
83.	"Synthesis Method of Composite Powder Materials with a (CoCrNiVCu) High-Entropy Alloy (HEA) Matrix Reinforced with Carbide Ceramic Particles for Plasma Spraying and the Resulting Powders"	International Innovation and Invention Show -EURO Politehnicus, 1st Edition, Bucharest, Romania, 22 - 24 Noiembrie 2024, Romania, Bucuresti, 22/11/2024	N.C. Zoita, C.E.A. Grigorescu, M. Dinu, A-M. Iordache, A.C. Parau, A.E. Kiss, L.R. Constantin
84.	Satellite derived Aerosol Layer Height product validation with ground based Actris measurements	ESA/ATMOS 2024, Italia, Bologna, 03/07/2024	Livio Belegante, Alexandru Marius Dandocsi, Anca Viorica Nemuc, Stefan Marius Nicolae
85.	Seasonal pattern of soil microorganisms abundance and activities in a landslides-affected zone under restoration	9th International Symposium on the Interactions of Soil Minerals with Organic Matter and Microbes (ISMOM 2024), Japonia, Tsukuba, 16/10/2024	ED. Kovacs, MH. Kovacs. P. Pereira

86.	Land use impact on soil metabolite profile in calcareous chernozems soil, Limanu, Ponticarea	9th International Symposium on the Interactions of Soil Minerals with Organic Matter and Microbes (ISMOM 2024), Japonia, Tsukuba, 16/10/2024	MH. Kovacs, ED. Kovacs, P. Pereira
87.	Evaluation of decadal regional and local NO2 column densities using space-borne instruments and CAMS	ESA/ATMOS 2024, Italia, Bologna, 03/07/2024	Alexandru Marius Dandocsi, Alexandru Marian Ilie, Anca Viorica Nemuc, Stefan Marius Nicolae
88.	Local mechanical properties evaluation of TiN coatings deposited using Pulsed DC and HiPIMS	Euroinvent european exhibition of creativity and innovation, Romania, Iasi, 06/06/2024	Tomastik, J.; Vaclavek, L.; Lindner, T.; Vladescu, A.; Nozka, L.
89.	Varied utilization of acoustic emission in scratch	Euroinvent European Exhibition of Creativity and Innovation", Romania, Iasi, 06/06/2024	Václavek, L., Tomáščík, J.; Lindner, T.; Vladescu A.; Nozka, L
90.	Surface Functionalization of Selective Laser Melted 17 4 PH by Plasma Polishing and Interstitial Diffusion Hardening for Thin Films	Euroinvent european exhibition of creativity and innovation, Romania, Iasi, 06/06/2024	Lindner, T.; Grimm, M.; Schubert, F.; Winkler, K.; Tomáščík, J.; Vladescu A.; Lampke, T
91.	Mechanical properties of carbon nanotubes coated by TiN	The Sixteenth International Conference on Local Mechanical Properties (LMP-2024), Cehia, Praga, 29/05/2024	Václavek, L.; Tomáščík, J.; Nožka, L.; Lindner, T.; Vladescu, A
92.	Assessing the economic benefits of irrigating rapeseed for biodiesel production in Romania	"Agriculture and Food - current and future challenges" AGRIFA, Romania, Online, 25/10/2024	L.Dordai, M. Roman