

National Institute for Research-Development  
in Chemistry and Petrochemistry - ICECHIM



**The International Symposium**

**“PRIORITIES OF CHEMISTRY  
FOR A SUSTAINABLE  
DEVELOPMENT”  
PRIOCHEM - XX**

Splaiul Independenței 202, sect. 6, Bucharest



Under the aegis and with the support of the Romanian  
Ministry of Research, Innovation and Digitization



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## Zoom links:

### Day 1 – 16 October 2024

#### Morning session - Opening ceremony 10 am EEST (9 am CET, 7 am GMT)

<https://us06web.zoom.us/j/89491894056?pwd=aNWci7mJoyIpJ4S09tsqZL9HUdEZY3.1>

Meeting ID: 894 9189 4056

Passcode: 932965

#### Afternoon session – from 14.00 EEST (13.00 CET, 11.00 GMT)

<https://us06web.zoom.us/j/82861147566?pwd=6PgsLgpqLVSKceFWp0jWaVHTMNvGB4.1>

Meeting ID: 828 6114 7566

Passcode: 845447

### Day 2 – 17 October 2024

#### Morning session - from 9 am EEST (8 am CET, 6 am GMT)

<https://us06web.zoom.us/j/87627390481?pwd=QVfwyCoiOtUluc6rqYioelJgCqCLbb.1>

Meeting ID: 876 2739 0481

Passcode: 937093

#### Afternoon session – from 14.00 EEST (13.00 CET, 11.00 GMT)

<https://us06web.zoom.us/j/84271460448?pwd=YdbRIqdpu8IwHtWIDalkqK0npBUOfj.1>

Meeting ID: 842 7146 0448

Passcode: 240006

### Day 3 – 18 October 2024

#### Single session – from 9 am EEST (8 am CET, 6 am GMT)

<https://us06web.zoom.us/j/87686435444?pwd=1ryjRMfpzeD5iDSnXcQl9LNJxvwzRt.1>

Meeting ID: 876 8643 5444

Passcode: 415248

*All participants via Zoom platform are kindly requested  
to login with the full name and affiliation*

# Symposium program

## Wednesday October 16<sup>th</sup> 2024

*Zoom address and password will be provided to registered participants*

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09<sup>00</sup>-10<sup>00</sup> Welcome coffee & registration of participants –  
ground floor/3<sup>rd</sup> floor lobby

10<sup>00</sup> **Symposium opening ceremony – Room 1 (3<sup>rd</sup> floor)  
& Official Photo (ground floor)**

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### PLENARY SESSION

**Room 1, 3<sup>rd</sup> floor**

**Chairpersons: Mihaela DONI, Radu Claudiu FIERĂSCU**

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No.	Starting time	Presenter	Title
PS-1	11 <sup>15</sup>	Andrew R. COLLINS	APPLICATION OF COMET ASSAY FOR THE DEVELOPMENT OF SAFE-BY-DESIGN NANOSTRUCTURES
PS-2	11 <sup>45</sup>	Anton FICAI	POLITEHNICA BUCHAREST: TEACHING AND R&D CAPABILITIES IN TISSUE ENGINEERING
PS-3	12 <sup>15</sup>	Michał CEGŁOWSKI	POROUS MATERIALS AND MOLECULARLY IMPRINTED POLYMERS FOR REMOVAL AND QUANTIFICATION OF ORGANIC CONTAMINANTS

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12<sup>45</sup>-14<sup>00</sup> – Lunch

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## Tech Talks – Meet the mentors!

Room 1, 3<sup>rd</sup> floor

14<sup>00</sup>-15<sup>30</sup>

**Moderator: Radu Claudiu FIERĂSCU**

Participants	Institutions
Corneliu Birtok-Băneasă	Politehnica University Timisoara
Cristina Elena Dinu-Pirvu	“Carol Davila” University of Medicine and Pharmacy Bucharest
Marius-Eduard Lungulescu	National Institute for Research and Development for Electrical Engineering – ICPE-CA
Narcisa Mederle	University of Life Sciences “King Michael I” from Timișoara
Radu Porumb	National University of Science and Technology POLITEHNICA Bucharest
Andrei Victor Sandu	“Gheorghe Asachi” Technical University of Iasi
Mihail Aurel Țițu	“Lucian Blaga” University of Sibiu
Alina Vlădescu	National Institute for Research and Development for Optoelectronics – INOE 2000

## ORAL PRESENTATIONS

**Chairpersons: Cristina Lavinia NISTOR, Anamaria ZAHARIA**

15<sup>40</sup>-16<sup>45</sup>

No.	Authors	Title
PO-01	Alina VLADESCU (DRAGOMIR), Anca C. PARAU, Mihaela DINU, Iulian PANA, Catalin VITELARU, Lidia R. CONSTANTIN, Diana Maria VRANCEANU	CrSiCN BASED HARD-COATINGS USED FOR WOODWORKING APPLICATIONS
PO-02	Madalina Ioana NECOLAU, Celina Maria DAMIAN, Brindusa BALANUCA	EPOXIDIZED CORN OIL AN EFFICIENT POLYMER MATRIX FOR DEVELOPING ANTICORROSION NANOCOMPOSITE MATERIALS
PO-03	Lucia Pintilie	REPOSITIONING OF DES-FLUORO(6) QUINOLONES FROM ANTIMICROBIALS TO ANTIVIRAL DRUGS
PP-01	Zhanerke YERBOLATOVA, Nurtas TAZHMAGAMBETOV, Asif Abbas SYED	DESIGN AND ANALYSIS OF AN INNOVATIVE ENZYMATIC-FILTER (E.F) FOR PURIFYING AIR CONTAMINATED WITH SULFUR DIOXIDE (SO <sub>2</sub> )
PO-04	Karla DEL-RAZO LÓPEZ, Laura MORALES LARA, Ricardo Darío PEÑA MORENO, Ivonne PÉREZ XOCHIPA, Vladimir SERKIN, Yessica LINARES GONZÁLEZ	CHRONIC EXPOSURE TO AN ELUTRIATE OF MICRO- AND NANOPLASTICS OF POLYVINYL CHLORIDE IN BIOINDICATOR DAPHNIA MAGNA
PO-05	Marius S. POPA, Michael C. BIEWER, Mihaela C. STEFAN	SYNTHESIS AND CHARACTERIZATION OF DONOR-ACCEPTOR DYES FOR ORGANOCATALYZED ATOM TRANSFER RADICAL POLYMERIZATION (O-ATRP)

## POSTER SESSION

Chairpersons: Radu Claudiu FIERĂSCU, Cristina Emanuela ENĂȘCUȚĂ

### Ground floor lobby

16<sup>45</sup>-17<sup>45</sup>

No.	Authors	Title	Monitor
PP-02	Fawzia Sha'at, Ramona-Daniela Pavaloiu, Mihaela Eremia, Maria Petrescu, Claudia Sevcenco, Dana Miu, Corina Bubueanu, Angela Casarica	RELEASE KINETICS OF CURCUMIN FROM MICROBIAL POLYMERS BASED NANOSYSTEMS	1
PP-03	Georgeta Ramona Ivan, Luiza Capra, Alina Catrinel Ion, Ion Ion	SORPTION OF TRICLOCARBAN IN NATURAL AQUEOUS SYSTEMS AMENDED WITH MWCNTs	1
PP-04	Ionuț-Octavian Zăuleț, Rizescu Claudiu Eduard, Rodica Mariana Ion	MARBLE DEGRADATION ASSESMENT VIA SALT CRYSTALLIZATION METHOD	1
PP-05	Nicoleta-Oana Nicula, Eduard-Marius Lungulescu	ASSESSING BIOFILM/BIOFILTER SYSTEMS EFFICIENCY FOR MUNICIPAL WASTEWATER TREATMENT	2
PP-06	Mihaela Ciltea-Udrescu, Alin Cristian Nicolae Vintila, Alexandru Vlaicu, Anca Paulenco, Gabriel Vasilevici	POTENTIAL OF SPENT PLEUROTUS SUBSTRATE FOR BIOMETHANE PRODUCTION	2
PP-07	Andreea Miron, Ana-Lorena Neagu, Sorin Dolana, Iulia-Elena Neblea, Marinela Victoria Dumitru, Anamaria Zaharia, Sandu Teodor, Ana-Mihaela Gavrilă, Andrei Sârbu, Anita-Laura Chiriac, Tanța-Verona Iordache	ADVANCED HYBRID MATERIALS BASED ON NATURAL POLYMERS: A NEW REMEDIATION STRATEGY FOR WATER CONTAMINATED WITH HEAVY METALS	2
PP-08	Claudiu Eduard Rizescu, Ionut Zăuleț, Anca Irina Gheboianu, Rodica Mariana Ion	LDH-HYDROXYAPATITE COMPOSITE-MATERIALS FOR CONSOLIDATION OF CONCRETE-BASED ELEMENTS IN CULTURAL HERITAGE MASONRY	3
PP-09	Andreea-Luiza Mirt, Alin Cristian Nicolae Vintila, Alexandru Vlaicu, Simona-Bianca Ghimis, Gabriel Vasilevici	BIOCHAR BY PYROLYSIS OF SOLID DIGESTATE RESULTING FROM ANAEROBIC DIGESTION OF SPENT PLEUROTUS SUBSTRATE	3
PP-10	Raluca-Marieta Toma, Ludmila Aricov, Anca-Ruxandra Leonties, Monica-Elisabeta Maxim, Aurica Precupas, Rodica Tatia, Elena Iulia Oprita, Cristian Peptu	TRENDS IN TOPICAL FORMULATIONS APPLIED TO MOLECULAR MODELS	3

Thursday October 17<sup>th</sup> 2024

PLENARY SESSION & ORAL PRESENTATIONS

Room 1, 3<sup>rd</sup> floor

Chairpersons: Mihaela DONI, Andrei SÂRBU

No.	Starting time	Presenter	Title
IL-01	09 <sup>15</sup>	Grigore PSENOVSCHI	POSSIBILITIES OF A.I.
PS-04	09 <sup>40</sup>	Francois-Xavier PERRIN	EFFECT OF NANOFILLERS IN THE AGEING OF POLYMER MATRIX COMPOSITES (PMCS)
PS-05	10 <sup>10</sup>	Magdalena ROTH	DEVELOPMENT, APPLICATION, AND EVALUATION OF ORMOCER®-BASED PROTECTIVE COATINGS FOR CULTURAL HERITAGE PRESERVATION
PS-06	10 <sup>40</sup>	Anca MAZARE	TiO <sub>2</sub> -BASED NANOMATERIALS WITH SINGLE-ATOM CO-CATALYSTS IN PHOTOCATALYSIS
11 <sup>10</sup> -11 <sup>30</sup> - Coffee break			
PO-06		Elena Iuliana BIRU, Mădălina Ioana NECOLAU, Sorina GÂREA, Horia IOVU	BIO-BASED POLYBENZOXAZINE RESINS WITH POTENTIAL MEDICAL APPLICATIONS
PO-07		Larisa-Maria PETRILA, Maria KARAYIANNI, Stergios PISPAS, Marcela MIHAI	GREEN HYBRID NANOSTRUCTURES FOR EFFICIENT DEGRADATION OF WATER POLLUTANTS
PO-08	11 <sup>30</sup> – 13 <sup>00</sup>	Mădălina GHIUȚĂ, Mihaela DEACONU, Ana-Maria BREZOIU, Ana Maria SECIU-GRAMA, Alin GHEORGHE, Cristian MATEI, Daniela BERGER	MESOPOROUS SILICA MODIFIED WITH INORGANIC NANOPARTICLES AS CARRIERS FOR NATURAL COMPOUNDS
PO-09		Andreea Iuliana FTODIEV, Alina VASILESCU, Sorin DAVID, Camelia BALA, Georgiana Necula PETREANU, Cristina PURCAREA	DETECTION OF ANALYTES (FROM PROTEINS TO BACTERIA) USING APTAMERS
PO-10		Maria GRAPIN, Valentin RADITOIU, Alina RADITOIU, Florentina Monica RADULY	STUDY ON HYBRID SYSTEMS BASED ON TiO <sub>2</sub> FOR ENHANCING PHOTOCATALYSIS

PO-11	Ioana Silvia HOSU, Anda Maria BAROI, Toma FISTOȘ, Roxana Ioana MATEI (BRAZDIȘ), Irina CHICAN, Irina FIERĂSCU, Radu Claudiu FIERĂSCU	USING ELECTROCHEMICAL BIOSENSORS FOR THE EVALUATION OF PLANT BIOSTIMULANT EFFECT – TACKLING CROP LOSS MITIGATION – with BIOSCREEN
PO-12	Livia Teodora CIOBANU, Luminița DIMITRIU, Ileana Cornelia-FARCASANU, Diana CONSTANTINESCU-ARUXANDEI, Florin OANCEA	CALLOGENESIS AS AN IN VITRO MODEL FOR INNOVATIVE BIOSTIMULANT ASSAYS

13<sup>00</sup>-14<sup>00</sup> – Lunch (1<sup>st</sup> floor lobby)

## ORAL PRESENTATIONS

### Room 1, 3<sup>rd</sup> floor

14<sup>00</sup>-15<sup>30</sup>

**Chairpersons: Tanța Verona IORDACHE, Michał CEGŁOWSKI**

No.	Authors	Title
PO-13	Aziza ABATOVA, Khadisha SAGENOVA, Zhanzhetpes MUKHANOVA, Dana AMANGELDI, Asif Abbas SYED	EXPLORING THE CALMING AND PAIN-RELIEF EFFECTS OF PLANT-DERIVED TERPENES (PDT): A NATURAL APPROACH TO THERAPEUTICS
PO-14	Iulia Elena NEBLEA, Tanța-Verona IORDACHE, Andrei SARBU, Anita-Laura CHIRIAC, Ana-Mihaela GAVRILA, Bogdan TRICA, Iuliana Elena BÎRU, Iuliana CARAS, Mircea TEODORESCU, François-Xavier PERRIN, Anamaria ZAHARIA	BIOMIMETIC PEGDA-BASED NANOGELS FOR THE RECOGNITION AND BINDING OF SPIKE S1 PROTEIN FROM SARS-COV-2
PO-15	Marinela-Victoria DUMITRU, Alin Cristian Nicolae VINTILA, Grigore PSENOVSKI, Ana-Lorena NEAGU, Sorin DOLANA, Andreea MIRON, Iulia Elena NEBLEA, Ana Mihaela GAVRILA, Cristina Emanuela ENASCUTA, Tanta-Verona IORDACHE	CRYOSTRUCTURES AS POTENTIAL AGRICULTURAL FERTILIZERS WITH CONTROLLED RELEASE PROPERTIES
PO-16	Iulia BLEOANCA, Mihaela BRUMA, Mihaela TURTURICĂ, Daniela BORDA, Adriana-Mădălina ȚURCANU, Felicia STAN, Cătălin FETECĂU	EDIBLE FOOD PACKAGING FROM YEAST BIOMASS FUNCTIONALISED WITH ESSENTIAL OILS
PO-17	Anca Daniela RAICIU	GEMMOTHERAPY-A HOLISTIC REVIEW
PO-18	Grigore PSENOVSCHI, Petre CHIPURICI, Mihaela COJOCARU, Negrița Ciprian CHISEGA, Anca PAULENCO, Ioan CALINESCU	CONVERSION OF WASTE PLASTICS TO FUELS THROUGH PYROLYSIS



PO-19	Naomi TRITEAN, Luminița DIMITRIU, Ștefan-Ovidiu DIMA, Marius GHIUREA, Bogdan TRICĂ, Cristian-Andi NICOLAE, Ionuț MORARU, Alina NICOLESCU, Anisoara CIMPEAN, Florin OANCEA, Diana CONSTANTINESCU-ARUXANDEI	ANTI-INFLAMMATORY AND ANTIMICROBIAL NANOFORMULATION BASED ON CHITOSAN GRAFTED WITH FERULIC ACID, NANOCELLULOSE AND SELENIUM NANOPARTICLES
PO-20	Miriam ZĂPĂRȚAN, Claudia SALANȚĂ, Anca FĂRCAȘ	VALORIZATION OF TOMATO BY-PRODUCTS AND DEVELOPMENT OF A SUSTAINABLE GLUTEN-FREE PRODUCT

## AUTHOR TRAINING - MDPI

### Room 1, 3<sup>rd</sup> floor

No.	Starting time	Presenter	Title
AT	15 <sup>30</sup>	Anamaria VARTOLOMEI	Mastering Academic Writing- Essential Tips for Efficient Publication

## POSTER SESSION

**Chairpersons: Ana Maria GURBAN, Irina FIERĂSCU**

### Ground floor lobby

16<sup>00</sup>-17<sup>30</sup>

No.	Authors	Title	Monitor
PP-11	Ramona Marina Grigorescu, Lorena Iancu, Rodica-Mariana Ion, Madalina Elena David	MORTAR COMPOSITIONS BASED ON SPENT MUSHROOM SUBSTRATE	1
PP-12	Lucian-Gabriel Zamfir, Saniye Soylemez, Dilek Soyler, Dilara Yeniterzi, Petru Epure, Cătălina Gîfu, Iuliana Răut, Mariana Constantin, Cristina Firincă, Nicoleta-Olguța Corneli, Maria-Luiza Jecu, Mihaela Doni, Ana-Maria Gurban	WEARABLE MULTISENSING PATCH BASED ON SWCNT-PtNPs NANOCOMPOSITE FOR CLINICAL BIOMARKERS MONITORING FROM SWEAT	1
PP-13	Georgi Bozhilov Georgiev, Hristofor Skandaliev, Boyko Tsyntsarski, Teodor Sandu	PLASTIC WASTE DERIVED CARBON/CARBON COMPOSITES FOR CONSTRUCTION OF ROCKET COMPONENTS	1
PP-14	Cristina Firincă, Iuliana Răut, Mariana Constantin, Ana-Maria Gurban, Lucian-Gabriel Zamfir, Gelu Vasilescu, Nicoleta Olguța Corneli, Luiza Jecu	AN EVALUATION OF ANTIMICROBIAL POTENCY OF BIOGENIC SILVER NANOPARTICLES	1
PP-15	Toma Fistoș, Roxana Ioana Matei, Anda Maria Baroi, Irina Fierăscu, Radu Claudiu Fierăscu	THE DEVELOPMENT AND APPLICATION OF NANOCOMPOSITE MATERIALS FOR THE PRESERVATION AND CONSOLIDATION OF CULTURAL HERITAGE	1

PP-16	Roxana Ioana Matei, Valentin Raditoiu, Irina Fierascu, Anda Maria Baroi, Toma Fistos, Ioana Silvia Hosu, Irina Elena Chican, Sorin Claudiu Ulinici, Radu Claudiu Fierascu	EFFICIENT NANOSTRUCTURED MATERIALS FOR WATER PURIFICATION CONTAINING HAZARDOUS POLLUTANTS	2
PP-17	Anda Maria Baroi, Irina Fierascu, Roxana Ioana Matei, Toma Fistos, Lia Mara Ditu, Ioana Silvia Hosu, Monica Florentina Raduly, Bogdan Trica, Radu Claudiu Fierascu	PROCEDURE FOR THE RECOVERY OF VITICULTURAL WASTE FOR THE DEVELOPMENT OF NEW SPF COSMETIC FORMULATIONS	2
PP-18	Cristina Firincă, Iuliana Răut, Radu Claudiu Fierăscu, Lucian-Gabriel Zamfir, Roxana Rodica Constantinescu, Nicoleta Olguța Corneli, Luiza Capră, Mihaela Doni, Luiza Jecu, Ana-Maria Gurban, Mariana Constantin, Tatiana Eugenia Șesan	STUDY ON THE RELATIONSHIP BETWEEN SOIL PROPERTIES AND CHROMIUM RETENTION AND BIOREMEDIATION IN LOAMY SAND SOIL	2
PP-19	Cristina-Emanuela Enascuta, Elena-Emilia Sîrbu, Radu Claudiu Fierăscu, Grigore Pșenovschi	CATALYTIC SYSTEM BASED ON METAL OXIDES AND HUMIC ACIDS USED FOR WASTEWATER TREATMENT	2
PP-20	Ecaterina-Andreea Constantin, Oana-Romina Botoran, Florentina Matei, Diana Constantinescu-Aruxandei, Florin Oancea	OPTIMIZING FERMENTATION PROCESSES: VALORIZATION OF BY-PRODUCTS IN A NEW APPROACH FOR PRODUCTS IN THE FOOD INDUSTRY	2
PP-21	Tatiana Calalb, Iulia Bozbei, Maria Tabara, Simona Marcu Spinu, Violeta Alexandra Ion, Crina Oana Bujor, Alina Ortan	CHEMICAL STUDIES ON THE NON-EDIBLE PARTS OF A. MELANOCARPA MICHX. (ELLIOT) SPECIES FOR THE RATIONAL VALORISATION OF NATURAL RESOURCES	3
PP-22	Cornelia Fursenco, Tatiana Calalb, Liliana Badulescu, Simona Marcu Spinu, Livia Uncu, Violeta Alexandra Ion, Crina Oana Bujor, Alina Ortan	TAXONOMY, DISTRIBUTION AND THERAPEUTICAL POTENTIAL OF SOLIDAGO VIRGAUREA L. SPECIES	3
PP-23	Malina Desliu-Avram, Daria-Gabriela-Popa, Naomi Tritaean, Victor Faraon, Bogdan Trica, Elvira Alexandrescu, Diana Constantinescu-Aruxandei, Florin Oancea, Doina Dimonie	MEDIUM AND SHORT LENGTH FIBERS THROUGH BIOLOGICAL SPENDING OF SAWDUST FOR EMBEDDING INTO STARCH BASED MATRICES OF APPLIED INTEREST	3
PP-24	George-Mihail Teodorescu, Zina Vuluga, Madalina Georgiana Albu Kaya, Cristian Andi Nicolae, Raluca Augusta Gabor, Marius Ghiurea, Gabriel Vasilievici, Valentin Raditoiu, Monica Raduly, Roxana Brazdis	NATURAL ZEOLITE CLINOPTILOLITE MODIFIED FOR METABOLIC DISEASES OF RUMINANT	3
PP-25	Roxana-Mădălina Stoica, Nicoleta Ene	STABILITY AND ANTIMICROBIAL ACTIVITY OF BIOSURFACTANT PRODUCED BY PSEUDOMONAS PUTIDA ICCF 391 STRAIN	3

**Friday October 18<sup>th</sup> 2024**

**PLENARY SESSION**

**Room 1, 3<sup>rd</sup> floor**

**Chairpersons: Zina VULUGA, Florin OANCEA**

No.	Starting time	Presenter	Title
PS-07	09 <sup>00</sup>	Luisa DURAES	AEROGELS PRODUCTION FROM PET WASTES
PS-08	09 <sup>30</sup>	Victor DICULESCU, Daciana BOTTA, Ionut ENCULESCU	FLUIDIC ELECTROCHEMICAL DEVICES ON PAPER WITH INTEGRATED FLEXIBLE ELECTRODES
PS-09	10 <sup>00</sup>	Tănase DOBRE	A CONCRETE CASE OF RHEOLOGY USE AS A POWERFUL RESEARCH METHOD IN CHEMICAL ENGINEERING AND MEDICAL SCIENCES

**POSTER SESSION**

**Chairpersons: Zina VULUGA, Francois-Xavier PERRIN**

**Ground floor lobby**

**10<sup>30</sup>-12<sup>00</sup>**

No.	Authors	Title	Monitor
PP-26	Nurtas Tazhmagambetov, Zhanerke Yerbolatova, Asif Abbas Syed	IT IS IN YOUR POWER TO MEET THE NEEDS OF PRESENT AND FUTURE GENERATIONS	1
PP-27	Claudia-Valentina Popa, Diana Mihaela Popescu, Lucia Elena Ionescu, Maria Marinescu, Christina Marie Zălaru	SYNTHESIS, ANTIBACTERIAL, ANTIOXIDANT AND ADME STUDIES OF SOME PYRIMIDINE COMPOUNDS	1
PP-28	Raluca Şuică-Bunghez, Raluca Senin, Iulia Răut, Mariana Constantin, Sorin Avramescu, Radu-Claudiu Fierăscu	SYNTHESIS OF ECO-FRIENDLY SILVER NANOPARTICLES USING WILD GARLIC (ALLIUM URSINUM) LEAVES EXTRACT AND THEIR ANTIMICROBIAL ACTIVITY	1
PP-29	Virgil Badescu	SEPARATION AND IDENTIFICATION OF MOLECULAR SPECIES BY GC-MS FOR THE REACTION MIXTURE WITH TETRAETHYLSILANE (TEOS)	1
PP-30	Eduard-Marius Lungulescu, Radu Setnescu, Nicoleta-Oana Nicula	RADIATION-INDUCED DEGRADATION OF POLYMERIC INSULATORS: A KINETIC MODEL FOR LIFETIME ASSESSMENT	1
PP-31	Ioana Ion, Alina Caramitu, Mihai Marin, Eduard Marius Lungulesc, Emanuel	HIBRID HYDROGEL FOR WATER REMEDIATION APPLICATION	2

	Virgil Marinescu, Ciprian Mihai Mitu, Nicoleta Oana Nicula		
PP-32	Catalina Marin, Laurentiu Marin, Pavel Topala	IDENTIFICATION OF THE DEPENDENCE BETWEEN THE SHAPE OF ELECTRODES FOR PROCESSING METAL SURFACES THROUGH ELECTRIC DISCHARGES AND THEIR WEAR	2
PP-33	Cătălina Diana Uşurelu, Denis Mihaela Panaitescu, Mircea Teodorescu, Gabriela Mădălina Oprică, Gabriela Ioniţă, Cristian Andi Nicolae, Iuliana Caraş, Valentin Rădiţoiu, Adriana Nicoleta Frone	SURFACE-MODIFIED CELLULOSE NANOFIBERS AS A CARRIER FOR OXYGEN-GENERATING COMPOUNDS	2
PP-34	Alexandra Gaspar-Pintiliescu, Laura Mihaela Stefan, Elena Mihai, Oana Craciunescu	OPTIMIZATION OF COMBINED ENZYMATIC AND ULTRASOUND-ASSISTED EXTRACTION OF PHENOLIC ANTIOXIDANTS FROM ALOE VERA PEELS	2
PP-35	Amalia Stefaniu, Lucia Pirvu	ANALYSIS OF MOLECULAR, QUANTUM AND BIOACTIVITY PROPERTIES OF SOME POLYPHENOLS COMPOUNDS OF GREAT THERAPEUTIC INTEREST	2
PP-36	Iuliana Raut, Nicoleta Radu, Mariana Constantin, Roxana Zaharia	STUDIES REGARDING WATER RESOURCE POLLUTION WITH FERTILIZERS WHICH CONTAIN MICROBIAL BIOMASS	2
PP-37	Silviu-Laurentiu Badea, Violeta Alexandra Ion, Oana – Crina Bujor, Liliana Badulescu	DEVELOPMENT OF GC-MS/MS METHODS FOR THE SCREENING OF ORGANOCHLORINE AND ORGANOPHOSPHATE PESTICIDES IN COMPOST AND SOIL	3
PP-38	Mălina Deşliu-Avram, Ecaterina-Andreea Constantin, Diana Constantinescu-Aruxandei, Florin Oancea	ANALYSIS OF POLYPHENOLS AND ANTIOXIDANT ACTIVITY OBTAINED FROM A TWO-STEP EXTRACTION OF APPLE POMACE	3
PP-39	Diana Ionela Popescu, Violeta Carolina Niculescu, Oana Romina Botoran, Anca Nicoleta Sutan	DEVELOPMENT OF A GAS CHROMATOGRAPHIC ANALYTICAL METHOD FOR THE ESTIMATION OF ORGANOCHLORINE AND ORGANOPHOSPHORUS PESTICIDES IN VEGETABLES	3
PP-40	Oana Romina Botoran, Elisabeta Irina Geană, Claudia Şandru, Corina Ciucure, Nadia Păun, Andreea Maria Iordache, Diana Ionela Popescu, Roxana Elena Ionete	PRELIMINARY INVESTIGATIONS OF AGRO-INDUSTRIAL BY-PRODUCTS: AN INTEGRATED APPROACH TO SUSTAINABILITY AND FOOD SAFETY	3

12<sup>00</sup>-12<sup>30</sup> – Break

## PLENARY SESSION

Room 1, 3<sup>rd</sup> floor

Chairperson: Andrei SÂRBU

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No.	Starting time	Presenter	Title
PS-10	12 <sup>30</sup>	Boyko TSYNTSARSKI, Georgi GEORGIEV, Teodor SANDU, Andrei SARBU, Ivanka STOYCHEVA, Bilyana PETROVA, Angelina KOSATEVA, Nartzislav PETROV, Urszula SZELUGA	NOVEL CARBON NANOMATERIALS – COMPARISON OF GRAPHENE, CARBON FOAM AND GRAPHITE

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13<sup>00</sup>

**Symposium closing & award ceremony  
(Room 1, 3rd floor)**

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## Associated events

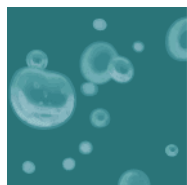
Tuesday, October 15<sup>th</sup> 2024

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No.	Starting time	Presenter	Room	Title
W-1	10 <sup>00</sup>	Mihaela FRÎNCU	Room 1 (3 <sup>rd</sup> floor)	Inclusive Co-Creation for Sustainable Research Impact – INSPIRE
W-2	12 <sup>00</sup>	Nicolae VARACHIU	Room 2 (1 <sup>st</sup> floor)	Innovation: mystery or a systematic approach?
W-3	11 <sup>00</sup>	Ada Lorena NICULIȚĂ	Room 3 (1 <sup>st</sup> floor)	Integrating Standardisation, Knowledge Valorization, and Science Diplomacy
W-4	09 <sup>00</sup>	Radu Claudiu FIERASCU	Room 1 (3 <sup>rd</sup> floor)	Nanotechnology-based dental materials
W-5	14 <sup>00</sup>	Denis Mihaela PANAITESCU	Room 3 (1 <sup>st</sup> floor)	New oxygen-carrying systems based on nanocellulose for wound healing
W-6	11 <sup>00</sup>	Radu Claudiu FIERASCU	Room 4 (3 <sup>rd</sup> floor)	Integrated approach for water treatment and monitoring - AquaMat project
W-7	15 <sup>00</sup>	Diana CONSTANTINESCU- ARUXANDEI, Florin OANCEA	Room 3 (1 <sup>st</sup> floor)	Research on the development of sustainable technologies for obtaining and capitalizing on innovative ingredients and food products, for the nutritional balance of the modern consumer's diet

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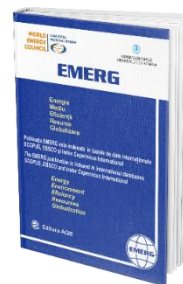
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