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

PRIOCHEM

The International Symposium

"PRIORITIES OF CHEMISTRY FOR A SUSTAINABLE DEVELOPMENT"

PRIOCHEM - XXII

Splaiul Independenței 202, sect. 6, Bucharest

ICECHIM

Event organized under the aegis and with the support of the Romanian

Ministry of Education and Research

and

National Authority for Research

MINISTERUL EDUCAȚIEI ȘI CERCETĂRII

Partners:

Romanian Chemical Society

Foundation "C. D. NENITESCU"

ADEIV
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All participants via Zoom platform are kindly requested to login with the <u>full name and affiliation</u>

The posters in .pdf format must be submitted to the section responsible no later than October 16!

Please note that all times indicated in the programme refer to <u>Romania local time</u> (EEST / GMT+3/CEST+2)!

Symposium program

Wednesday October 21st 2026

Zoom address for PRIOCHEM day 1

https://us06web.zoom.us/j/83206337745?pwd=aWXzIqhaxnYrmf6VOKVe8PE94R5b8i.1

09^{00}-10^{00}	Registration of participants – 3rd floor lobby
10^{00}	**Symposium opening ceremony – Room 1 (3rd floor)**

PLENARY SESSION

Chairperson: Mihaela DONI

Room 1, 3rd floor

No.	Starting time	Presenter	Title
KL-1	10^{30}	**Florin OANCEA,** Diana CONSTANTINESCU-ARUXANDEI, Sergey SHAPOSHNIKOV, Naomi DIMA, Ana-Maria IORDACHE, Ecaterina Andreea CONSTANTIN, Lilly CHRISTOFORIDIU.	UTILIZATION OF SYMBIOTIC COMMUNITIES OF BACTERIA AND YEASTS IN CIRCULAR BIOECONOMY.
KL-2	10^{50}	**Rodica Mariana ION**	FROM DIAGNOSIS TO PRESERVATION: ADVANCED MATERIALS CHARACTERIZATION AND COMPATIBLE STRATEGIES FOR CULTURAL HERITAGE CONSERVATION
PS-1	11^{20}	**Tănase DOBRE**	FROM GENERALPROBLEM OF MODELING-SIMULATION-MONITORING TO DIESEL HYDRODESULFURIZATION

12^{30}-14^{00} – Break

SECTIONS PRESENTATIONS

Chairpersons: Tanța Verona IORDACHE, Andrei SÂRBU

14^{00}-15^{00}

No.	Authors	Title
PO-01	**Lucia PINTILIE**, Mihaela DEACONU, Maria MAGANU, Miron Teodor CAPROIU, Mădălina-Diana GABOREANU, Ioana-Cristina MARINAS	THE DESIGN AND DEVELOPMENT OF SOME CU(II) COMPLEXES OF FLUOROQUINOLONE DERIVATIVES WITH ACTIVITY AGAINST MULTIDRUG RESISTANT MICROORGANISMS
PO-02	**Emilian GHIBU**, Catalin TUCUREANU, Elena Diana GIOL, Florica Adriana JERCA, Valentin Victor JERCA	ENGINEERING BIOFOULING RESISTANT SURFACES BASED ON POLY(2-ISOPROPENYL-2-OXAZOLINE) HYDROGELS

15^{00}-15^{15} – Break

PLENARY SESSION

Chairperson: Ana Mihaela Gavrilă

Room 1, 3rd floor

No.	Starting time	Presenter	Title
PS-2	15^{15}	**Aurel DIACON,** Gabriela TOADER, Alexandra MOCANU, Livia A. DINU, Pericle VARASTEANU, Oana BRINCOVEANU, Cosmin ROMANITAN, Mioara ALEXANDRU, Florina L. ZORILA, Celina DAMIAN, Edina RUSEN, Raul A. MITRAN	MXENE AS VERSATILE COMPONENT IN MULTIFUNCTIONAL COMPOSITE MATERIALS

SPECIAL SECTION AGROCLIN PRESENTATIONS

GROUND FLOOR

Chairpersons: Irina FIERĂSCU, Radu Claudiu FIERĂSCU

14^{00}-16^{30}

No.	Authors	Title
SS-01	**Carmen SÎRBU**, Traian CIOROIANU, Daniela MIHALACHE, Nicoleta MARIN Adriana GRIGORE, Ana-Maria STĂNESCU, Lidia IANCU, Andrei BACIU	SOIL ORGANIC MATTER AS A FUNCTIONAL INTEGRATOR OF FERTILITY, PLANT NUTRITION AND AGROECOSYSTEM RESILIENCE
SS-02	**Lia-Mara DIȚU,** Gentiana PREDAN, Mioara DUMITRAȘCU, Carmen CURUȚIU, Adela NEDELCU, Florica MARINESCU, Aurora NEAGOE	CHARACTERIZATION AND AGRICULTURAL APPLICATION OF SOIL-ISOLATED *AZOTOBACTER SPP*. AS SUSTAINABLE BIOFERTILIZERS
SS-03	**Auraș Marius DUMITRU**, Teodora - Beatrice PARASCHIV, Grigore PSENOVSCHI, Raluca-Ioana BUNGHEZ, Cristina ENĂȘCUȚĂ, Irina FIERĂSCU, Gabriela Olimpia ISOPENCU, Vasile LAVRIC	UNLOCKING THE METHANE POTENTIAL OF COFFEE GROUNDS AND VEGETABLES RESIDUES THROUGH ANAEROBIC CO-DIGESTION
SS-04	Tatiana-Raluca NICULAE, Flo BOTEZ, Horia DOMNARIU, **Carmen POSTOLACHE**	COUPLED CARBON–NITROGEN ENZYME ACTIVITIES AND NUTRIENT POOLS IN A RECENTLY FERTILISED AGRICULTURAL SOIL (MOARA DOMNEASCĂ, ROMANIA)
SS-05	**Irina FIERASCU,** Radu Claudiu FIERASCU, Toma FISTOS, Anda Maria BAROI, Ioana Silvia HOSU, Teodora Beatrice PARASCHIV, Irina-Elena CHICAN, Cristina ENASCUTA, Marius Eduard MATEI, Nicoleta RADU	CLOSING THE LOOP THROUGH CHEMISTRY: BIORESOURCE-BASED SOLUTIONS FOR CLIMATE-RESILIENT AGRICULTURE
SS-06	**Cristian MOISE,** Denis Iosif MIHĂILESCU, Cristina Elena MIHALACHE, Dragoș Constantin STAMIN, Claudiu Adrian BUCIU	EARTH OBSERVATION SERVICES FOR CLIMATE-NEUTRAL AND RESILIENT AGRICULTURE: THE AGROCLIN WP5 MULTISCALE REMOTE SENSING FRAMEWORK
SS-07	**Mircea MIHALACHE,** Leonard ILIE, Doru MARIN, Mihaela VASILE, Andrei MOT, Sorin-Mihai CIMPEANU	BASELINE SOIL CHARACTERIZATION IN THE AGROCLIN EXPERIMENTAL PLATFORM: A BASIS FOR ASSESSING CARBON SEQUESTRATION AND AGRICULTURAL RESILIENCE
SS-08	**Mignon SANDOR,** Roxana VIDICAN, Dumitrița COȚEA, Vlad STOIAN	EXPLORING A NEW APPROACH FOR RAPID ASSESSMENT OF SOIL MICROBIAL BIOMASS THROUGH SUBSTRATE INDUCED RESPIRATION
SS-09	**Cristina MOLDOVAN,** Sandor MIGNON, Anamaria MĂLINAȘ, Vlad STOIAN, Anca PLEȘA, Roxana VIDICAN	COVER CROPS FOR RESILIENT AGRICULTURE: BENEFITS, RISKS AND MANAGEMENT
SS-10	Steluța Carmen CIOBANU, Silviu-Adrian PREDOI, Monica Luminita BADEA, Liliana GHEGOIU, **Simona Liliana ICONARU**, Daniela PREDOI	POROUS HYDROXYAPATITE SYNTHESIS VIA CTAB FOR LEAD ION ADSORPTION

SS-11	**Silviu-Adrian PREDOI,** Steluța Carmen CIOBANU, Daniela PREDOI, Liliana GHEGOIU, Monica Luminita BADEA, Simona Liliana ICONARU	SYNTHESIS AND CHARACTERIZATION OF A HYDROXYAPATITE–SODIUM BICARBONATE BIOCOMPOSITE FOR LEAD REMOVAL FROM CONTAMINATED WATER
SS-12	**Teodora-Beatrice PARASCHIV**, Irina FIERĂSCU, Toma FISTOȘ, Anda-Maria BAROI, Ioana Silvia HOSU, Irina Elena CHICAN, Tanța Verona IORDACHE, Valentin RĂDIȚOIU, Monica Florentina RADULY, Radu-Claudiu FIERĂSCU	FROM MOLECULAR RECOGNITION TO WATER REMEDIATION: ENVIRONMENTAL PERSPECTIVES OF FLUORESCENT SCHIFF-BASE SYSTEMS
SS-13	**Ioana Silvia HOSU,** Irina FIERASCU, Anda Maria BAROI, Teodora Beatrice PARASCHIV, Luiza CAPRA, Georgeta IVAN, Alexandru RUSU, Paula CISMARIU, Andrei Ionut COCA	BIOTESTS FOR ASSESING ABIOTIC STRESS: THE EFFECTS OF CADMIUM AND SODIUM CHLORIDES OVER MUNG BEANS SEEDLINGS TREATED WITH BIOSTIMULANTS

POSTER SESSION

Chairpersons: Cristina Emanuela ENĂȘCUȚĂ, Adriana FRONE

Ground floor lobby

16^{30}-17^{30}

No.	Authors	Title	Monitor
PP-1.	**Teodora C. CIUCAN**, Oana CRACIUNESCU, Florentina MATEI, Narcisa BABEANU	SYNERGISTIC ACTION OF MICROBIAL CONSORTIA MODULATE COLOSTRUM PROTEOLYSIS AND ANTIOXIDANT ACTIVITY	2
PP-2.	**Nicoleta-Olimpia CIOARĂ (ANDREI),** Amalia Carmen MITELUȚ, Oana CRACIUNESCU	EVALUATION OF TOTAL PHENOLIC CONTENT IN SELECTED HALOPHYTIC SPECIES USING DIFFERENT EXTRACTION TECHNIQUES	2
PP-3.	Maria-Cristina RADULESCU, Madalina-Petruta BUCUR, Bogdan BUCUR, **Gabriel Lucian RADU**	FUNCTIONALIZATION OF GLASSY CARBON ELECTRODES WITH POLYCARBOXYLIC ARYL DIAZONIUM SALTS FOR ELECTROCHEMICAL DETECTION OF SILVER IONS	2
PP-4.	**Ecaterina-Andreea CONSTANTIN**, Ștefan-Ovidiu DIMA, Fulvia-Ancuța MANOLACHE, Elena Loredana CIRSTOIU (UNGUREANU), Gabriel VASILIEVICI, Oana Romina BOTORAN, Luiza CAPRA, Mihaela GANCIAROV, Cristian-Andi NICOLAE, Florin OANCEA, Diana CONSTANTINESCU-ARUXANDEI	VALORIZATION OF SWEET WHEY THROUGH WATER KEFIR FERMENTATION	2
PP-5.	**Livia-Teodora CIOBANU**, Maria Antonia TĂNASE, Mihaela FLOREA, Ileana Cornelia FARCASANU, Florin	ULTRASONIC LYSIS AND SEQUENTIAL FRACTIONATION OF BREWER'S SPENT	2

	OANCEA, Diana CONSTANTINESCU-ARUXANDEI	YEAST FOR OBTAINING BIOACTIVE-ENRICHED FRACTIONS	
PP-6.	**Maria Antonia TĂNASE**, Victor Alexandru FARAON, Carmen LUPU, Diana CONSTANTINESCU-ARUXANDEI, Marius GHIUREA, Florin OANCEA	PROPERTIES AND SUITABILITY OF DIATOMACEOUS EARTH FROM PĂTÂRLAGELE QUARRY FOR ROTARY PAN GRANULATION	2
PP-7.	**Cristina FIRINCĂ**, Ana BUZATU, Lucian ZAMFIR, Iuliana RĂUT, Mariana CONSTANTIN, Cătălina GÎFU, Andreea-Luiza MÎRȚ, Alin VINTILĂ, Mihaela DONI, Ana-Maria GURBAN	DETECT-DEGRADE-SUSTAIN: INTEGRATED BIODEGRADATION AND REAL-TIME BIOSENSING FOR SUSTAINABLE ANTIBIOTIC MANAGEMENT IN WATER SYSTEMS	3
PP-8.	**Ana-Maria IORDACHE**, Diana CONSTANTINESCU-ARUXANDEI, Ionut MORARU, Florin OANCEA	ISOLATION AND CHARACTERIZATION OF A MULTIFUNCTIONAL *PEDIOCOCCUS ACIDILACTICI* STRAIN FROM KOMBUCHA CULTURES	3
PP-9.	**Radu MORARU**, Diana CONSTANTINESCU-ARUXANDEI, Angela MORARU, Mircea-Cosmin PRISTAVU, Florin OANCEA	VALORIZATION OF AGRO-INDUSTRIAL BY-PRODUCTS INTO A MULTIFUNCTIONAL PECTIN INGREDIENT FOR FUNCTIONAL GUMMIES	3
PP-10.	**Anda-Maria BAROI**, Radu-Claudiu FIERĂSCU, Irina FIERĂSCU, Toma FISTOȘ, Teodora Beatrice PARASCHIV, Roxana-Ioana MATEI, Ioana Silvia HOSU, Irina Elena CHICAN, Cristina Emanuela ENĂȘCUȚĂ, Daniela IONESCU, Justinian-Andrei TOMESCU, Cristina-Mihaela LUNTRARU, Alexandra ENE-MANEA	FROM MEDICINAL PLANT RESIDUES TO MULTIFUNCTIONAL BIOACTIVE AND NANOSTRUCTURED FORMULATIONS FOR SUSTAINABLE AGRICULTURE	3
PP-11.	**Cătălina-Florentina ȘTEFAN,** Ioana-Raluca ȘUICĂ-BUNGHEZ, Raluca-Mădălina SENIN, Mariana CONSTANTI, Iuliana RĂUT, Luiza CAPRĂ, Virgil BĂDESCU, Georgeta-Ramona IVAN, Rusăndica STOICA, Mihaela GANCIAROV	CHEMICAL CHARACTERIZATION AND BIOACTIVE PROPERTIES OF LAVENDER ESSENTIAL OIL AND INFUSIONS	3
PP-12.	**Diana PASARIN**, Andra-Ionela Ghizdareanu, Catalin Bogdan Matei, Georgeta-Ramona IVAN, Luiza CAPRA	OPTIMIZATION OF HOT-AIR DRYING OF BEE POLLEN FOR PRODUCT STABILITY AND NUTRITIONAL QUALITY	3
PP-13.	**Cătălina-Florentina ȘTEFAN,** Ioana-Raluca ȘUICĂ-BUNGHEZ, Raluca-Mădălina SENIN, Mariana CONSTANTIN, Iuliana RĂUT, Luiza CAPRĂ, Georgeta-Ramona IVAN, Mihaela GANCIAROV, Rusăndica STOICA, Virgil BĂDESCU	PHYTOCHEMICAL CHARACTERIZATION AND BIOACTIVE PROPERTIES OF *TRAGOPOGON PRATENSIS* EXTRACTS OBTAINED USING DIFFERENT EXTRACTION METHODS	3

Thursday October 22nd 2026

PLENARY SESSION

Zoom address for PRIOCHEM day 2

https://us06web.zoom.us/j/81468047636?pwd=7NinbnkxStPjKIVib4P64C0AJ7EaY3.1

Chairpersons: Mihaela DONI, Radu Claudiu FIERĂSCU

Room 1, 3rd floor

No.	Starting time	Presenter	Title
PS-3	10^{00}	**Saskia VAN RUTH**	BUILDING COMMUNITIES THAT MOVE FOOD SCIENCE FORWARD
KL-3	10^{30}	**Tanța-Verona IORDACHE**, Ana-Mihaela GAVRILĂ, Andrei SÂRBU, Iulia Elena NEBLEA, Ana Lorena NEAGU, Bianca-Elena STOICA	HAZMAT DETECTION USING MOLECULARLY IMPRINTED POLYMERS
11^{00}-11^{30} - Coffee break			

SECTION PRESENTATIONS

Chairpersons: Cristina Emanuela ENĂSCUȚĂ, Ana Maria GURBAN

11^{30}-12^{15}

No.	Authors	Title
PO-03	**Anca Daniela RAICIU**	*CICHORIUM INTYBUS L.* AS A SUSTAINABLE BIORESOURCE: INULIN AND PHYTOCOMPOUNDS FOR BIOTECHNOLOGICAL AND HIGH-VALUE APPLICATIONS
PO-04	**Aminu Bayawa MUHAMMAD**, Muhammad Zubairu SAFIYANU, Chika MUHAMMAD, I. M. DANMALLAM	A RESPONSE-SURFACE STUDY OF A REUSABLE SULFONATED CARBON FROM NEEM SEED CAKE/SHELL FOR THE PRODUCTION OF BIODIESEL FROM CASTOR, NEEM, AND WASTE COOKING OILS

12^{30}-13^{45} –Break

Tech Talks – Meet the mentors!

The First Step in Technology Transfer: Industrial Property Protection

Event co-organized with OSIM (State Office for Inventions and Trademarks)

Room 1, 3rd floor

14^{00}-15^{30}

Moderator: Radu Claudiu FIERĂSCU

Participants

Dr. Biochem. Irina Babaligea, Specialist Examiner,
Chemistry and Pharmacy Examination Service
Daniela-Idboio Dragomir, Expert,
Industrial Property Communication and Promotion Department
Mariana Hahue, Expert,
Public Relation Department
Eng. Luiza Modreanu, Specialist Examiner,
Chemistry and Pharmacy Examination Service
Marina Voiculescu, Expert,
Industrial Property Communication and Promotion Department

15^{30}-17^{00} Poster presentation (Ground floor lobby)

Chairpersons: Adriana FRONE, Tanța Verona IORDACHE

No.	Authors	Title	Monitor
PP-14.	**George Mihail TEODORESCU**, Zina VULUGA, Andreea IONITA, Cristian-Andi NICOLAE, Valentin RADITOIU, Marius GHIUREA, Durmuş Alpaslan KAYA, Mădălina Georgiana ALBU KAYA	CLINOPTILOLITE ENCAPSULATED WITH ESSENTIAL OIL	1
PP-15.	Madalina-Petruta BUCUR, Maria-Cristina RADULESCU, **Bogdan BUCUR**, Gabriel Lucian RADU	OPTIMISATION OF ELECTROCHEMICAL SENSORS BASED ELECTRODEPOSITED DIAZONIUM COMPOUNDS FOR HEAVY METALS DETECTION	1
PP-16.	**Mihaela CILTEA-UDRESCU**, Jana GHITMAN, Gratiela GRADISTEANU, Cosmin PAULIUC, Elvira ALEXANDRESCU, Gabriel VASILIEVICI, Ana-Maria SURUPACEANU, Horia IOVU	CARBOXYMETHYLATION OF CHITOSAN FOR 3D-PRINTED MULTIFUNCTIONAL HYDROGELS WITH ENHANCED BIOLOGICAL ACTIVITY	1
PP-17.	Razvan GHIARASIM, **Camelia-Mihaela ZARA-DANCEANU**, Nicoleta Catalina BASOC, Ecaterina MAZUR, Cristina CIOBANU, Brindusa DRAGOI	COMPARATIVE IN VITRO CYTOTOXICITY OF FREE AND PH-SENSITIVE LIPOSOMAL DOXORUBICIN IN MCF-7 AND MDA-MB-231 BREAST CANCER CELLS	1
PP-18.	Razvan GHIARASIM, Maria-Daniela VLAD, Sergiu COJOCARI, **Cătălina Nicoleta BASOC**, Ecaterina MAZUR, Lilia ANDRONACHE, Cristina CIOBANU, Brindusa DRAGOI	BIOLOGICAL EVALUATION OF PH-RESPONSIVE DOXORUBICIN-LOADED LIPOSOMES IN A172 AND U118 GLIOBLASTOMA CELLS	1
PP-19.	**Andreea Luiza MIRT**, Luiza CAPRA, Alexandru VLAICU, Gabriel VASILIEVICI, Elisabeth NASCHBERGER, Lina GÖLZ, Anton FICAI, Aldo R. BOCCACCINI	BREATHING ROOM FOR SKIN CELLS: MAGNESIUM-DOPED BIOACTIVE GLASS COUNTERACTS HYPOXIC STRESS IN HUMAN DERMAL FIBROBLASTS	1
PP-20.	**Ioana Cătălina GÎFU**, Cristina FIRINCĂ, Lucian-Gabriel ZAMFIR, Iuliana RĂUT, Mariana CONSTANTIN, Andreea-Luiza MÎRȚ, Mihaela DONI, Cristina Lavinia NISTOR, Elvira ALEXANDRESCU, Ana-Maria GURBAN	POLYSACCHARIDE-CLAY HYBRID HYDROGELS FOR THE SUSTAINABLE REMOVAL OF ANTIBIOTICS RESIDUES FROM CONTAMINATED WATERS	1

PP-21.	**Monica RADULY**, Valentin RĂDIȚOIU, Alina RĂDIȚOIU, Radu Claudiu FIERĂSCU, Toma FISTOS, Andi-Cristian NICOLAE, Toader PANAIT	BORON CARBON OXYNITRIDE LOADED WITH DANDELION BIOACTIVE COMPOUNDS FOR CONTROLLED ANTIOXIDANT RELEASE	2
PP-22.	**Nelu ION**, Rodica Mariana ION, Lorena IANCU	THREE-DIMENSIONAL MACROPOROUS COMPOSITE FOR DYE RETENTION FROM WASTEWATER	2
PP-23.	**Ana-Lorena NEAGU**, Tanța-Verona IORDACHE, Iulia-Elena NEBLEA, Gabriela TOADER, Traian ROTARIU, Aurel DIACON, Elena-Bianca STOICA, Ramona-Marina GRIGORESCU, Andrei SÂRBU, Ana-Mihaela GAVRILĂ	MOLECULAR RECOGNITION MEETS ELECTROCHEMISTRY: NANOMIP/MOF INTERFACES FOR COCAINE DETECTION	2
PP-24.	**Ana-Lorena NEAGU**, Ramona Marina GRIGORESCU, Lorena IANCU, Tanta-Verona IORDACHE, Anita-Laura CHIRIAC, Anamaria ZAHARIA, Ana Mihaela GAVRILA, Madalina Elena DAVID	VALORIZATION OF WOOD SAWDUST THROUGH OBTAINING BIO-HYBRID MATERIALS: A COMPARATIVE STUDY OF LIGNIN–ZNO PROPERTIES	2
PP-25.	**Ana Lorena NEAGU**, Elena Bianca STOICA, Sorin Viorel DOLANA, Tanța Verona IORDACHE, Andrei SÂRBU, Andreea Gabriela OLARU, Ștefana Petruța LĂCUREANU, Teodor SANDU	HYBRID MAGNETIC MATERIALS INCORPORATING ZIRCONIUM FOR ENHANCED HEAVY METAL REMOVAL	2
PP-26.	**Raluca-Elena GINGHINĂ**, Adriana-Elena BRATU, Alina Toma, Stefan PRICOP, Iulia-Maria GINGHINĂ, Vasile SOMOGHI, Claudiu LĂZĂROAIE	ULTRASOUND-ASSISTED TECHNOLOGY FOR CHEMICAL WARFARE AGENTS' SIMULANTS DESTRUCTION	2
PP-27.	**Lucian-Gabriel ZAMFIR**, Ioana-Cătălina GÎFU, Kyra O'CONNOR, Iuliana RĂUT, Mariana CONSTANTIN, Cristina FIRINCĂ, Andreea Luiza MIRȚ, Mihaela DONI, Ana-Maria GURBAN	TAILORED MXENE-BASED ELECTROCHEMICAL SENSORS FOR HEAVY METAL DETECTION	2
PP-28.	**Bogdan CAZAN**, Radu Claudiu FIERASCU, Madalina ALBU KAYA, Ovidiu IORDACHE, Toma FISTOS, Cristian Andi NICOLAE, Florentina Monica RADULY	DEVELOPMENT AND CHARACTERIZATION OF PURE GANODERMA LUCIDUM MYCELIUM-BASED MATERIALS FOR SUSTAINABLE APPLICATIONS	3
PP-29.	**Iulia-Maria GINGHINĂ**, Marius MINEA, Cătălin-Marian DUMITRESCU, Tudor-Viorel ȚIGĂNESCU	EEG SIGNAL PROCESSING AS AN INNOVATIVE TECHNOLOGY FOR THE NEUROPHYSIOLOGICAL ASSESSMENT OF CONSUMER PREFERENCES	3
PP-30.	Irina FIERĂSCU, Radu-Claudiu FIERĂSCU, Toma FISTOȘ, **Anda-Maria BAROI**, Roxana-Ioana MATEI, Irina Elena CHICAN, Ioana Silvia HOSU,	FROM MULTILAYER ADSORPTION TO HYBRID ADSORPTION–PHOTOCATALYSIS: BIO-BASED COMPOSITE PLATFORMS FOR COMPLEX WATER DECONTAMINATION	3

	Valentin RĂDIȚOIU, Teodora Beatrice PARASCHIV		
PP-31.	**Irina FIERASCU**, Radu Claudiu FIERASCU, Toma FISTOS, Anda Maria BAROI, Roxana Ioana MATEI, Ioana Silvia HOSU, Irina-Elena CHICAN, Adriana MOANTA, Ionela PETRE, Carmen MUNTEANU, Lia-Mara DITU	BEYOND ANTIMICROBIAL ADDITIVES: THE ROLE OF MINERAL COMPOSITION IN MICROBIAL ADHESION	3
PP-32.	**Toma FISTOȘ**, Radu-Claudiu FIERĂSCU, Irina FIERĂSCU, Anda-Maria BAROI, Irina Elena CHICAN, Cristian-Andi NICOLAE, Teodora Beatrice PARASCHIV, Mădălin Vasile COMAN, Denisa FICAI, Ludmila MOTELICA, Ovidiu Cristian OPREA, Anton FICAI	SUBSTRATE-ADAPTIVE HYBRID NANOMATERIAL SYSTEMS FOR SUSTAINABLE CONSOLIDATION OF BUILT HERITAGE	3
PP-33.	**Ioana Silvia HOSU**, Toma FISTOS, Monica RADULY, Irina Elena CHICAN, Radu Claudiu FIERASCU	DESIGNING A FLOW INJECTION ANALYSIS SYSTEM (FIA) FOR SIMULTANEOUS DETECTION OF HYDROGEN PEROXIDE USING BIMODAL SENSORS, ON THE SAME SURFACE, AT THE SAME TIME: ELECTROCHEMISTRY AND SURFACE ENHANCED RAMAN SPECTROSCOPY (SERS) FOR PLANT STUDIES - THEORETICAL AND EXPERIMENTAL CORRELATIONS	3
PP-34.	Anda Maria BAROI, **Irina Elena CHICAN**, Daniela IONESCU, Alina Ruxandra Eugenia ORȚAN, Radu Claudiu FIERĂSCU, Irina FIERĂSCU, Toma FISTOȘ, Teodora Beatrice PARASCHIV, Justinian – Andrei TOMESCU, Alexandra ENE-MANEA, Carmen Laura CÎMPEANU	TOWARD SCALABLE BIO-BASED SYSTEMS FOR SUSTAINABLE DECONTAMINATION OF FRESH PRODUCE	3
PP-35.	Alexandru Codrut PERUC, Radu PAVALEANU, Dumitru-Doru BURDUHOS-NERGIS, Madalina-Simona BALTATU, Petrica VIZUREANU, **Andrei-Victor SANDU**	MECHANICAL PERFORMANCE OF LIGHTWEIGHT GEOPOLYMER COMPOSITES BASED ON COAL ASH AND PERLITE	3

Friday October 23rd 2026

Zoom address for PRIOCHEM day 3

https://us06web.zoom.us/j/89181953693?pwd=7GbA3xdbccz3wx099LB9v7Kf8QTs9v.1

My poster in 100 seconds!
Chairpersons: Cristina Emanuela ENĂȘCUȚĂ, Tanța Verona IORDACHE
Room 1, 3rd floor

10^{00}-12^{00}

No.	Authors	Title
1	**Teodora C. CIUCAN**, Oana CRACIUNESCU, Florentina MATEI, Narcisa BABEANU	SYNERGISTIC ACTION OF MICROBIAL CONSORTIA MODULATE COLOSTRUM PROTEOLYSIS AND ANTIOXIDANT ACTIVITY
2	**Nicoleta-Olimpia CIOARĂ (ANDREI),** Amalia Carmen MITELUȚ, Oana CRACIUNESCU	EVALUATION OF TOTAL PHENOLIC CONTENT IN SELECTED HALOPHYTIC SPECIES USING DIFFERENT EXTRACTION TECHNIQUES
3	Maria-Cristina RADULESCU, Madalina-Petruta BUCUR, Bogdan BUCUR, **Gabriel Lucian RADU**	FUNCTIONALIZATION OF GLASSY CARBON ELECTRODES WITH POLYCARBOXYLIC ARYL DIAZONIUM SALTS FOR ELECTROCHEMICAL DETECTION OF SILVER IONS
4	**Mihaela CILTEA-UDRESCU**, Jana GHITMAN, Gratiela GRADISTEANU, Cosmin PAULIUC, Elvira ALEXANDRESCU, Gabriel VASILIEVICI, Ana-Maria SURUPACEANU, Horia IOVU	CARBOXYMETHYLATION OF CHITOSAN FOR 3D-PRINTED MULTIFUNCTIONAL HYDROGELS WITH ENHANCED BIOLOGICAL ACTIVITY
5	Madalina-Petruta BUCUR, Maria-Cristina RADULESCU, **Bogdan BUCUR**, Gabriel Lucian RADU	OPTIMISATION OF ELECTROCHEMICAL SENSORS BASED ELECTRODEPOSITED DIAZONIUM COMPOUNDS FOR HEAVY METALS DETECTION
6	**Andreea Luiza MIRT**, Luiza CAPRA, Alexandru VLAICU, Gabriel VASILIEVICI, Elisabeth NASCHBERGER, Lina GÖLZ, Anton FICAI, Aldo R. BOCCACCINI	BREATHING ROOM FOR SKIN CELLS: MAGNESIUM-DOPED BIOACTIVE GLASS COUNTERACTS HYPOXIC STRESS IN HUMAN DERMAL FIBROBLASTS

To be completed with selected poster presentation

12^{00}-13^{00} – Break

PLENARY SESSION

Chairperson: Mihaela DONI, Radu Claudiu FIERĂSCU

Room 1, 3rd floor

No.	Starting time	Presenter	Title
PS-4	13^{00}	**Cristina-Ileana COVALIU-MIERLĂ,** Cristina POPESCU, Cătălina CĂRĂMIDARU, Corina Ioana MOGA, Gabriel PETRESCU, Constanța RĂDULESCU	FROM NANOMATERIAL DESIGN TO WASTEWATER TREATMENT SYSTEMS: ADVANCED STRATEGIES FOR POLLUTANTS REMOVAL
IL-3	13^{40}	**Andrei SÂRB**U (Romanian Chemical Society)	

14^{00}	**Symposium closing & award ceremony**

Associated events

Tuesday, 20.10.2026

No.	Starting time	Moderator	Room	Title
W-1	08.00	Radu Claudiu FIERĂSCU	Room 1A	Innovative approach for the protection of medicinal and aromatic plant crops – between circular bioeconomy and nanotechnology
W-2	08.00	Irina FIERASCU	Room 1B	Transdisciplinary approach for the modern formulation of construction materials, a paradigm shift in the protection of immovable cultural heritage
W-3	08.00	Irina Elena CHICAN	Room 1C	Advanced ecological solutions to increase the food safety of vegetables and fruits, from producer to consumer
W-4	09.00	Mădălin COMAN, Denisa FICAI, Radu Claudiu FIERĂSCU	Room 3	The development of eco-friendly solutions based on silanes and nanoparticles for buildings and heritage consolidation (Coordination Meeting)
W-5	10.00	Radu Claudiu FIERASCU	Room 2	Integrated approach to environmental protection-AquaMat
W-6	11.00	-	Room 3	Excellence research center fostering climate neutrality and resilience through agriculture – AgroCliN - *Consortium Progress & Coordination Meeting*
W-7	13.00	Nicolae VARACHIU	Room 2	Technology Readiness Levels (TRLs): Are They Enough to Guide Innovation to Successful Implementation?
W-8	11.00	Carmen LUPU	Room 2	Role of Diatomite in Carbon Farming

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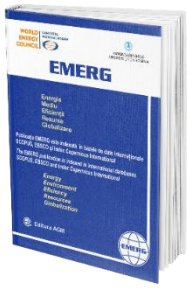

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