

“PRIORITIES OF CHEMISTRY FOR A SUSTAINABLE DEVELOPMENT”, PRIOCHEM XVIII
Scientific Event Programme

Wednesday October 26th 2022

		<i>Meeting Hall 2 (1st floor)</i>		<i>Meeting Hall 3 (Green room: 1st floor)</i>
14:00	Poster mounting (ground floor lobby)	14:00	Round table: Make innovation happen: support tools / methodologies to pave the way toward Technology Readiness Level TRL 7-8-9, CTT – ICECHIM Bucharest	NITRISENS Project Consortium Meeting: Manufacturing of a portable system for nitrite monitoring in soil, based on an innovative sensor, <i>Ana Maria Gurban, INCDCP-ICECHIM</i>
		15:30	Advanced technology presentation: Usefulness of time-resolved Raman spectroelectrochemistry in qualitative and quantitative analysis, <i>Pablo Fanjul Bolado, METROHM DROPSSENS S.L.</i>	Workshop: Coatings for reducing the CO ₂ emission and the negative impact on environment in maritime shipping, <i>Raluca Șomoghi, INCDCP-ICECHIM Bucharest</i>
		16:30	Workshop: Circular economy and sustainable development CTT – ICECHIM Bucharest	

Thursday October 27th 2022

8:30	Registration of participants <i>3rd floor lobby</i>		
9:00	Symposium opening. Opening Speeches on behalf of Officialities		
9:30	Plenary session	Jacques DESBRIERES	USING MICROWAVES TO EXTRACT AND MAKE FUNCTIONAL NATURAL OR BIO-SOURCED MACROMOLECULES
10:05		Mariana Emilia GHICA	AEROGEL-BASED SYSTEMS: PREPARATION AND APPLICATIONS
10:30		Elwira Zofia SIENIAWSKA	NATURAL PRODUCTS ALTER COMMON METABOLIC PATHWAYS IN MYCOBACTERIA
11:05	<i>Break</i>		
11:15	ORAL COMMUNICATIONS SESSION		
14:00	<i>Lunch</i>		
	POSTER SESSION (on site)		
15:40	Plenary session	Ioan-Cezar MARCU	LAYERED DOUBLE HYDROXIDE-DERIVED TRANSITION-METAL-BASED MIXED OXIDES, PROMISING CATALYSTS FOR VOLATILE ORGANIC COMPOUNDS ABATEMENT
16:00		Federica VALENTINI	CULTURAL HERITAGE CONSERVATION: FROM NANOMATERIALS TO PORTABLE WIRELESS DEVICES FOR THE AIR QUALITY MONITORING
16:35		Thierry NOGUER	ALTERNATIVES AFFINITY LIGANDS IN BIOSENSING TECHNOLOGY: PROMISES AND CHALLENGES
17:10	POSTER SESSION (on-line & on-site)		

Friday October 28th 2022

9:00	Plenary session	Milen I. GEORGIEV	ANTI-OBESITY POTENTIAL OF PLANT NATURAL COMPOUNDS
9:35		Rabah BOUKHERROUB	MICRO AND NANOTECHNOLOGICAL ADVANCES IN DIABETES MANAGEMENT
10:10		Constantin APETREI	ELECTROCHEMICAL (BIO)SENSOR ARRAY COUPLED WITH MULTIVARIATE DATA ANALYSIS FOR THE ASSESSMENT OF VIRGIN OLIVE OIL QUALITY
10:35	<i>Coffee break</i>		
11:00	ORAL COMMUNICATIONS SESSION		
12:45	Plenary session	Anton FICAI	EMERGING ANTIMICROBIAL NANOTECHNOLOGIES WITH POTENTIAL USE IN THE PRESERVATION OF THE CULTURAL HERITAGE AND PREVENTING MICROBIAL RESISTANCE
13:10	<i>Break</i>		
13:25	POSTER SESSION – part 2 (on-line)		
13:45	Plenary session	Boyko TSYNTSARSKI	CARBON MATERIALS FOR CO₂ ABATEMENT AND HYDROGEN FUEL
14:10	Awards & Closing ceremony		

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



The International Symposium

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



Under the patronage of the Romanian Ministry of
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Symposium program

Wednesday October 26th 2022

Poster mounting – Ground floor lobby – 14:00

Workshops and roundtables

No.	Starting time	Moderator	Room/Zoom address	Title
W-1	14 ⁰⁰	Nicolae VARACHIU	Meeting Hall 2 (1 st floor) https://us06web.zoom.us/j/89630988237?pwd=RytoSllmbk9VQnV0OGJUTmdTL0ZrQT09	Round table: Make innovation happen: support tools / methodologies to pave the way toward Technology Readiness Level TRL 7-8-9
W-2	14 ¹⁵	Ana-Maria GURBAN	Meeting Hall 3 (1 st floor)	NITRISENS Project Consortium Meeting: Manufacturing of a portable system for nitrite monitoring in soil, based on an innovative sensor
W-3	15 ³⁰	Pablo Fanjul BOLADO, METROHM DROPSSENS S.L.	Meeting Hall 2 (1 st floor) https://us06web.zoom.us/j/88227583052?pwd=OE8xTXp3OUtVdFB0dVIPN1lqUVZ2QT09	Usefulness of time-resolved Raman spectroelectrochemistry in qualitative and quantitative analysis.
W-4	14 ¹⁵	Raluca ŞOMOGHI	Meeting Hall 3 (1 st floor)	Coatings for reducing the CO2 emission and the negative impact on environment in maritime shipping
W-5	16 ³⁰	Mihaela FRÎNCU	Meeting Hall 2 (1 st floor) https://us06web.zoom.us/j/85925389936?pwd=M0hKNE9sakxEMWZrMyt4SzhnT2xhdz09	Circular economy and sustainable development

Thursday October 27th 2022

8³⁰ **Registration of participants – 3rd floor lobby**
9⁰⁰ **Symposium opening ceremony**

Mihaela DONI, General Manager - ICECHIM

Zina VULUGA, President of the Scientific Council of ICECHIM

Florin OANCEA, Scientific Director - ICECHIM

Andrei SÂRBU, President of Bucharest 3 branch of the Romanian
Chemical Society

Zoom address for PRIOCHEM day 1 – morning session (9:00 – 14:00)

<https://us06web.zoom.us/j/86870398132?pwd=MFUzRDhwZXhIRVRtTG13a3BJVmRXdz09>

Zoom address for PRIOCHEM day 1 – afternoon session (15:40 – 18:30)

<https://us06web.zoom.us/j/81305856653?pwd=UWFidmt2WDNvNS9NRzZtL0tuNk9kUT09>

PLENARY SESSION

Chairpersons: Mihaela DONI, Zina VULUGA, Andrei SÂRBU

No.	Starting time	Presenter	Title
PS-1	9 ³⁰	Jacques DESBRIERES	USING MICROWAVES TO EXTRACT AND MAKE FUNCTIONAL NATURAL OR BIO-SOURCED MACROMOLECULES
PS-2	10 ⁰⁵	Mariana Emilia GHICA	AEROGEL-BASED SYSTEMS: PREPARATION AND APPLICATIONS
PS-3	10 ³⁰	Elwira Zofia SIENIAWSKA	NATURAL PRODUCTS ALTER COMMON METABOLIC PATHWAYS IN MYCOBACTERIA
11⁰⁵-15⁴⁰ – Section presentations & lunch			
Plenary session – part 2			
PS-4	15 ⁴⁰	Ioan-Cezar MARCU	ENGINEERING MATERIALS AND SENSORS FOR SUSTAINABLE ENVIRONMENTAL SYSTEMS
PS-5	16 ⁰⁰	Federica VALENTINI	CULTURAL HERITAGE CONSERVATION: FROM NANOMATERIALS TO PORTABLE WIRELESS DEVICES FOR THE AIR QUALITY MONITORING
PS-6	16 ³⁵	Thierry NOGUER	ALTERNATIVES AFFINITY LIGANDS IN BIOSENSING TECHNOLOGY: PROMISES AND CHALLENGES

SECTIONS PRESENTATIONS

Section 1 - Multifunctional materials, nanocomposites, innovative technologies and cultural heritage preservation

&

Section 2 - Bioresources, biotechnologies and biorefining

ORAL PRESENTATIONS

11¹⁵-14⁰⁰

Zoom address: PRIOCHEM day 1 – morning session

Chairpersons: Tanța Verona IORDACHE, Cristina Emanuela ENĂȘCUȚĂ

No.	Authors	Title
PO-01	Irina Apostol, Adrian Bele, Iuliana Spiridon	CATIONIC DYE REMOVAL USING MATERIALS BASED ON XANTHAN OR ESTERIFIED XANTHAN/COBALT FERRITE-LIGNIN HYBRID
PO-02	Ana-Lorena Neagu, Bianca-Elena Stoica, Ana-Mihaela Gavrilă, Tanta Verona Iordache, Sorin Dolana, Andrei Sarbu, Teodor Sandu, Horia Iovu,	DETECTION OF LIPOPOLYSACCHARIDES FROM MULTI-DRUG RESISTANT BACTERIA USING MODIFIED PLASTIC SCREEN-PRINTED CARBON ELECTRODES
PO-03	Catalin Zaharia, Petru Epure Elena-Bianca Stoica, Sorin-Viorel Dolana, Tanța-Verona Iordache, Anamaria Zaharia, Anita-Laura Chiriac, Teodor Sandu, Andrei Sârbu, Ana-Mihaela Gavrilă	EPHEDRINE HYDROCHLORIDE DETECTION BASED ON MIP PARTICLES/CONDUCTIVE CARBON PASTE MODIFIED ELECTRODE
PO-04	Sorin Claudiu Ulinici, Gabriela Baisan, Alin Stoica, Katalin Bodor	NUMERICAL MODELING OF INTEGRATED OXIDATION, BIOFILTRATION AND ADSORPTION PROCESSES WITH APPLICATIONS IN THE DESIGN OF DRINKING WATER TREATMENT TECHNOLOGIES
PO-05	Gabriela Petrisor, Ludmila Motelica, Denisa Ficai , Cornelia-Ioana Ilie, Roxana Doina Trusca, Adrian Vasile Surdu, Georgeta Voicu , Ovidiu Cristian Oprea, Lia-Mara Ditu, Anton Ficai	NEW MESOPOROUS SILICA MATERIALS LOADED WITH FERULIC ACID AS FOOD SUPPLEMENTS FOR ORAL ADMINISTRATION
PO-06	George-Mihail Teodorescu, Zina Vuluga, Andreea Ioniță, Florin Oancea, Jenica Paceagiu, Marius Ghiurea, Cristi-Andi Nicolae, Raluca Augusta Gabor	PROPERTIES OF RECYCLED POLYPROPYLENE COMPOSITES WITH ALUMINOSILICATE INDUSTRIAL WASTE

PO-07	Maria-Eliza Pușcașu, Adrian-Ionuț Nicoară, Ștefania Stoleriu, Cristina Busuioc, Laura Mădălina Cursaru, Roxana Mioara Piticescu	ADDITIVE MANUFACTURING OF BIOMIMETIC SCAFFOLDS WITH POTENTIAL IN BONE TISSUE RECONSTRUCTION
PO-08	Andreea Ioniță, Zina Vuluga, Florin Oancea, George-Mihail Teodorescu, Raluca Augusta Gabor, Cristian Andi Nicolae, Mălina Deșliu-Avram, Jenica Paceagiu	PROPERTIES OF COMPOSITES BASED ON RECYCLED POLYPROPYLENE AND LIGNOCELLULOSIC AGRICULTURAL WASTE
PO-09	Cătălina-Diana Ușurelu, Denis Mihaela Panaitescu, Adriana Nicoleta Frone, Augusta Raluca Gabor, Cristian Andi Nicolae, Monica Florentina Raduly, Mircea Teodorescu	OBTAINING POLY(3-HYDROXYBUTYRATE) OLIGOMERS VIA THE CONTROLLED THERMAL DEGRADATION OF POLY(3-HYDROXYBUTYRATE) IN THE PRESENCE OF METAL COMPOUNDS
PO-13	Roberta Maria Banciu, Camelia Bala, Mihaela Puiu, Alina Vasilescu	ADDRESSING NON-SPECIFIC ADSORPTION IN PROTEIN BIOSENSING
PO-14	Ana Despina Ionescu, Angela Cașărică, Roxana-Mădălina Stoica, Nicoleta Ene	METHODS FOR EVALUATING THE EFFICIENCY OF SOME SELECTED MICROBIAL CULTURES ABLE TO BE USED FOR INDUSTRIAL WASTEWATER REMEDIATION

ON SITE POSTER SESSION

Ground floor lobby

14⁰⁰-15⁴⁰

Chairpersons: Mihaela DONI, Radu Claudiu FIERĂSCU, Andrei SÂRBU

No.	Authors	Title
PP-01	Oana-Raluca Mușat, Raluca-Ioana Stefan-Van Staden, Damaris-Cristina Gheorghe, Ruxandra-Maria Ilie- Mihai, Jacobus (Koos) Frederick Van Staden	CARBON NANOPOWDER BASED STOCHASTIC SENSOR FOR ULTRASENSITIVE ASSAY OF CA 15-3, CEA AND HER2 IN WHOLE BLOOD
PP-02	Dana Miu, Fawzia Sha'at, Mousa Sha'at, Cristina Hlevca, Mariana Spiridon, Mihaela Eremia, Maria Petrescu, Claudia Sevcenco, Ramona-Daniela Pavaloiu	RELEASE KINETICS OF CURCUMIN FROM PULLULAN-BASED NANOPARTICLES
PP-03	Oana Hoza, Alice Podaru, Raluca Ginghina, Gabriela Toader, Mioara Alexandru, Adriana Bratu, Ana Mihaela Gavrila, Bogdan Trica	HYDROGEL COATINGS FOR CBRN APPLICATIONS

No.	Authors	Title
PP-04	Adriana Bratu, Izabela-Cristina Stancu, Raluca-Elena Ginghina, Gabriela Toader, Oana Hoza, Florina Zorila, Tudor-Viorel Tiganescu	HYDROGELS FOR WOUNDS CAUSED BY BLISTER AGENTS
PP-05	Camelia Ungureanu, Petre Miron, Diana Gabriela Hutu, Anda Maria Baroi, Raluca Somoghi, Irina Fierascu, Radu Fierascu	SYNTHESIS OF GOLD NANOPARTICLES USING WATERCRESS SEEDS
PP-06	Adi Ghebur, Sorina Alexandra Garea	METHACRYLATE MODIFIED HALLOYSITE AS 5-AMINOSALICYLIC ACID TRANSPORTER USED IN INFLAMMATORY BOWEL DISEASES TREATMENT
PP-07	Georgi Georgiev, Boyko Tsyntsarski, Teodor Sandu, Andrei Sarbu	INNOVATIVE CARBON MATERIALS WITH ELECTRIC AND MAGNETIC PROPERTIES
PP-08	Christina Zalaru, Florea Dumitrascu, Constantin Draghici, Isabela Tarcomnicu, Maria Marinescu, George Mihai Nitulescu, Rodica Tatia, Lucia Moldovan, Marcela Popa, Mariana Carmen Chifiriuc	NOVEL PYRAZOLO-BENZIMIDAZOLE HYBRID MANNICH BASES WITH ANTIMICROBIAL AND ANTIBIOFILM ACTIVITIES
PP-09	Ioana Catalina Fierascu, Irina Fierascu, Anda Maria Baroi, Camelia Ungureanu, Alina Ortan, Simona Spinu, Sorin Marius Avramescu, Raluca Somoghi, Radu Claudiu Fierascu, Valetina Anuta, Cristina Elena Dinu-Parvu	DEVELOPMENT OF PHYTOSYNTHESIZED NANOPARTICLES WITH ENHANCED BIOLOGICAL PROPERTIES
PP-10	Catalin Barbu, Irina Fierascu, Alina Ortan, Augustin Semenescu	HYBRID COATINGS FOR PROTECTING METALLIC OBJECTS WITH CULTURAL VALUE
PP-11	Roxana Ioana Matei (Brazdis), Sorin Marius Avramescu, Sorin Claudiu Ulinici, Ilie Vlaicu, Grigore Vlad, Irina Fierascu, Anda Maria Baroi, Toma Fistos, Radu Claudiu Fierascu	DEVELOPMENT OF ADSORBENT NANOMATERIALS – FROM LABORATORY TECHNOLOGY TO INDUSTRIAL SCALE DEMONSTRATOR – OXYADS PROJECT
PP-12	Toma Fistos, Alina Melinescu, Lia Mara Ditu, Anton Ficai, Denisa Ficai, Florica Marinescu, Roxana Ioana Matei (Brazdis), Irina Fierascu, Anda Maria Baroi, Cristian-Andi Nicolae, Radu Claudiu Fierascu	TAILORING PROTECTIVE COATINGS FOR THE PROTECTION OF CULTURAL HERITAGE INORGANIC OBJECTS – INHERITAGE PROJECT
PP-13	Rodica-Daniela Baratoiu-Carpen, Elena-Nusa Hristea, Antonio Radoi, Madalina Tudose	A NEW COMPOSITE BASED ON PYRENE THIAZOLE AND GRAPHENE OXIDE- SYNTHESIS, CHARACTERIZATION AND ELECTROCHEMICAL EVALUATION
PP-14	Anda Maria Baroi, Cristian Boscornea, Roxana Ioana Matei (Brazdis), Irina Fierascu, Toma Fistos, Radu Claudiu Fierascu	NEW COSMETIC FORMULATIONS OBTAINED BY APPLYING INTEGRATED AND SUSTAINABLE BIOECONOMY APPROACHES – BIOPROTECT PROJECT
PP-15	Violeta-Carolina Niculescu, Irina Petreanu, Claudia Sandru	DIRECT SYNTHESIS OF BIMETALLIC SYSTEM USING NANOSILICA AS SUPPORT

No.	Authors	Title
PP-16	Florin Marian Dirloman, Gabriela Toader, Edina Rusen, Aurel Diacon, Andreea Moldovan, Florica Rizea, Raluca Ginghina, Traian Rotariu, Adrian Rotariu	POLY (UREA - URETHANE) / MULTIWALL CARBON NANOTUBES NANOCOMPOSITES FOR DEFENCE APPLICATIONS
PP-17	Alice Podaru, Gabriela Toader, Aurel Diacon, Edina Rusen, Alexandra Mocanu, Raluca Ginghina, Mioara Alexandru, Florina Zorila, Daniela Pulpea	POLYVINYL ALCOHOL/SODIUM ALGINATE/ NICKEL (II) PHTHALOCYANINE ACTIVE PEELABLE HYDROGELS FOR DECONTAMINATION
PP-18	Alice Podaru, Daniela Pulpea, Gabriela Toader, Edina Rusen, Aurel Diacon, Raluca Ginghina, Mioara Alexandru, Florina Zorila, Ana Mihaela Gavrilă, Bogdan Trica	„ECO-FRIENDLY” FORMULATIONS FOR CBRN DECONTAMINATION
PP-19	Irisz Vincze, Rodica Mariana Ion, Roxana Trusca, Sofia Slamnoiu-Teodorescu	THE INFLUENCE OF CETRIMONIUM BROMIDE SURFACTANT ON THE PHOTOCHEMICAL DEGRADATION OF PbCrO ₄
PP-20	Andreea Ftodiev, Madalina Sandulescu	PET VALORIZATION BY ENZYMIC DERIVATIZATION OF PET SURFACE: POTENTIAL FOR BIOSENSORS?
PP-21	Bogdan Bucur, Cristina Purcarea, Alina Vasilescu	SELECTIVITY IMPROVEMENT OF THE INHIBITION-BASED BIOSENSORS. APPLICATION TO ALDEHYDE DEHYDROGENASE-BASED DETECTION OF THIRAM
PP-22	Andra-Ionela Ghizdareanu, Alexandra Banu, Alexandru Vlaicu	FILM-FORMING PROPERTIES OF ENZYMICALLY HYDROLYSED CORN STARCH
PP-23	Elena Berteanu, Iordachel Catalin, Simona Savin, Maria Paraschiv, Alexandrina Rugina, Mihaela-Ionica Enache, Adina-Lidia Zuav	BIOMATERIAL COMPOSITE WITH THERAPEUTIC ACTION
PP-24	Lucian-Gabriel Zamfir, Petru Epure, Mariana Constantin, Iuliana Răuț, Cristina Firincă, Nicoleta Radu, Maria-Luiza Jecu, Elvira Alexandrescu, Bogdan Trică, Mihaela Doni, Ana-Maria Gurban	NITRITE DETERMINATION IN SOIL USING A MINIATURIZED FLEXIBLE NANOMATERIAL-BASED SENSOR
PP-25	Ana-Maria Gurban, Iuliana Răuț, Lucian-Gabriel Zamfir, Mariana Constantin, Cristina Firincă, Nicoleta Radu, Maria-Luiza Jecu, Petru Epure, Elvira Alexandrescu, Mihaela Doni	BIOGENIC AMINES - FROM IDENTIFICATION AND ISOLATION OF THEIR PRODUCING MICROORGANISMS IN FOOD SAMPLES TO DIFFERENT DETECTION APPROACHES
PP-26	Irina Petreanu, Amalia Soare, Violeta-Carolina Niculescu, Claudiu-Radu Fierascu, Jana Ghitman, Mircea Teodorescu	ECO-FRIENDLY METHOD FOR MESOPOROUS SILICA SYNTHESIS
PP-27	Lucian-Gabriel Zamfir, Raluca Ianchis, Saniye Soylemez, Salih Özçubukçu, Volkan Dolgun, Mihai Mitrea, Elvira Alexandrescu, Ioana Cătălina Gîfu, Cristian Petcu, Mihaela Doni, Ana-Maria Gurban	DESIGN OF INNOVATIVE HYDROGEL-FULLERENOL BASED NANOCOMPOSITES FOR SENSING APPLICATIONS

No.	Authors	Title
PP-28	Ioana Silvia Hosu, Valentin Rădițoiu, Adrian M.V. Brânzanic, Yannick Coffinier	THE INFLUENCE OF DIFFERENT METAL PHTHALOCYANINES ON THE ELECTRO-REDUCTION OF PEROXYNITRITE FOR BIOSENSING
PP-33	Diana Pasarin, Andra-Ionela Ghizdareanu, Emanuela Cristina Enascuta, Catalin Matei, Luiza Capra	COMPARATIVE ANALYSIS OF MINERALS AND VITAMINS FROM RED CLOVER AND AMARANTH EXTRACTS
PP-34	Iuliana Răut, Ionela Petre, Mariana Constantin, Elvira Alexandrescu, Monica Raduly, Ana-Maria Gurban, Mihaela Doni, Cristian Andi Nicolae, Nicoleta Radu, Gelu Vasilescu, Cristina Firinca, Luiza Jecu	EFFECT OF INCORPORATING AN UREOLYTIC BACTERIUM ON THE PROPERTIES OF MORTARS
PP-35	Mariana Constantin, Iuliana Răut, Raluca Suica- Bunghez, Ana-Maria Gurban, Mihaela Doni, Cristina Firincă, Lucian-Gabriel Zamfir, Nicoleta Radu, Raluca Senin, Gelu Vasilescu, Luiza Jecu	FUNGAL-MEDIATED BIOSYNTHESIS OF SILVER NANOPARTICLES
PP-36	Corina Teodora Ciucure, Petronela Anca Onache, Elisabeta-Irina Geană, Alina Florea, Dorin Ioan Sumedrea, Roxana Elena Ionete, Ovidiu Țița	GRAPE POMACE AS POTENTIAL SOURCE OF BIOACTIVE PHYTOCHEMICALS
PP-37	Georgiana Ileana Badea, Andreia Alecu, Mirela Diaconu, Mihaela Carmen Cheregi, Andrei Florin Danet, Simona Carmen Litescu	HIGHER VALORISATION OF SILYMARIN BY- PRODUCTS VIA PRODUCING NEW FORMULAS WITH ENHANCED BIOAVAILABILITY
PP-38	Bogdan Adrian Nicola, Szilveszter Gáspár	FABRICATION OF ENZYME MICROPUMPS BY A SIMPLE CONTACT PRINTING METHOD
PP-39	Luiza Mirt, Grigore Psenovschi, Alexandru Vlaicu, Alin Cristian Nicolae Vintila, Gabriel Vasilevici	EFFECTS OF USING WHEY MODIFIED GROWTH MEDIUM ON MICROALGAL BIOMASS GROWTH AND NUTRIENT METABOLISM
PP-40	Simona Spinu, Alina Ortan, Radu Fierascu, Irina Fierascu, Anda Baroi	PLANTS WASTE - RICH SOURCE OF BIOACTIVE COMPOUNDS WITH THERAPEUTIC POTENTIAL
PP-41	Camelia Stratulat, Adriana Bratu, Raluca Ginghina, Alper Isleyen, Katerina Hafner, Jochen Vogl	METROLOGICAL METHODS DEVELOPMENT FOR THE DETERMINATION OF INORGANIC IMPURITIES FROM SOLID BIOFUELS
PP-42	Maria Petrescu, Lucia Pirvu, Georgeta Neagu, Cristina Hlevca	CYTOTOXIC POTENTIAL OF EPILOBIUM HIRSUTUM

ON-LINE POSTER SESSION

17¹⁰-18³⁰

Zoom address: PRIOCHEM day 1 – afternoon session

Chairpersons: Adriana FRONE, Ana Maria GURBAN

No.	Authors	Title
PP-29	Ivanka Stoycheva, Boyko Tsyntsarski, Urszula Szeluga, Georgi Georgiev, Bilyana Petrova, Nartzislav Petrov, Angelina Kosateva, Anita Laura Chiriac, Tanta Verona Iordache, Annamaria Zaharia, Bianca Stoica	WASTE POLYMER DERIVED CARBON
PP-30	Bilyana Petrova, Nartzislav Petrov, Ivanka Stoycheva, Angelina Kosateva, Georgi Georgiev, Boyko Tsyntsarski	POROUS TEXTURE STUDY OF NEW CARBON MATERIALS BY LOW-TEMPERATURE NITROGEN SORPTION
PP-31	Laura-Madalina Cursaru, Ana-Maria Mocioiu, Ioan Albert Tudor, Roxana Mioara Piticescu	CARBON NANOTUBES-POLYANILINE (CNT-PANI) COMPOSITES. HYDROTHERMAL SYNTHESIS AND PRELIMINARY ELECTROCHEMICAL CHARACTERIZATION
PP-32	Claudiu Rizescu, Rodica-Mariana Ion, Sofia Slamnoiu-Teodorescu, Anca Irina Gheboianu, Iuliana Raut, Mariana Calin	ONE POT SYNTHESIS OF Ag-MODIFIED LAYERED DOUBLE HYDROXIDES WITH POTENTIAL ANTIMICROBIAL PROPERTIES
PP-43	Roxana-Mădălina Stoica, Mișu Moscovici	PRODUCTION AND POTENTIAL APPLICATIONS OF BIOSURFACTANTS
PP-44	Toma Agnes, Moldovan Lucia, Craciunescu Oana, Tatia Rodica, Manoiu Sorin, Israel-Roming Florentina, Luta Gabriela, Balan Daniela, Stefana Jurcoane	CHARACTERIZATION OF POROUS BIOMATERIALS BASED ON FISH COLLAGEN AND PECTIN FROM CARROT PULP AND APPLE PEEL FOR TISSUE ENGINEERING
PP-45	Elena Mihai, Andreea Iosageanu, Oana Craciunescu, Stefana Jurcoane	CYTOTOXICITY AND INFLAMMATORY EFFECT OF AN ALLERGENIC PROTEIN EXTRACT OF ROASTED PEANUTS
PP-46	Cristian Moisa, Andreea I. Lupitu, Dorina Chambre, Lucian Copolovici, Dana Maria Copolovici	SYNTHESIS OF GOLD NANOPARTICLES FROM LAVENDER BIOMASS AS A SUSTAINABLE RESOURCE
PP-47	Diana-Ioana Buliga, Ioana Popa, Aurelian Cristian Boscornea, Ana-Maria Drăghici-Popa	RECOVERY OF NATURAL PIGMENTS WITH POTENTIAL APPLICATIONS IN COSMETICS AND FOOD THROUGH CONVENTIONAL AND UNCONVENTIONAL METHODS

No.	Authors	Title
PP-48	Catalin Bilbie, Luciana Paraschiv-Palada, Petronela- Andreea Vereş	THE VALIDATION OF A SNACK PRODUCT WITH ADDED FUNCTIONAL INGREDIENTS USING DESCRIPTIVE SENSORY ANALYSIS
PP-49	Elena Utoiu, Andreea Iosageanu, Teodora Ciucan, Rodica Tatia, Oana Craciunescu, Laura Mihaela Stefan	IMPROVED POROUS 3D BIOMATERIALS BASED ON NATURAL AND SYNTHETIC POLYMERS FOR SKIN REGENERATION

Friday October 28th 2022

8³⁰

Registration of participants – 3rd floor lobby

Zoom address for PRIOCHEM day 2

<https://us06web.zoom.us/j/87321600609?pwd=OTNuTEN6SIFqNEJ4cFY3cmtmL3pjQT09>

PLENARY SESSION

Chairpersons: Mihaela DONI, Florin OANCEA, Radu Claudiu FIERĂSCU

No.	Starting time	Presenter	Title
PS-7	9 ⁰⁰	Milen I. GEORGIEV	ANTI-OBESITY POTENTIAL OF PLANT NATURAL COMPOUNDS
PS-8	9 ³⁵	Rabah BOUKHERROUB	MICRO AND NANOTECHNOLOGICAL ADVANCES IN DIABETS MANAGEMENT
PS-9	10 ¹⁰	Constantin APETREI	ELECTROCHEMICAL (BIO)SENSOR ARRAY COUPLED WITH MULTIVARIATE DATA ANALYSIS FOR THE ASSESSMENT OF VIRGIN OLIVE OIL QUALITY
10 ³⁵ -12 ⁴⁵ – Section presentations & coffee break			
Plenary session – part 2			
PS-10	12 ⁴⁵	Anton FICAI	EMERGING ANTIMICROBIAL NANOTECHNOLOGIES WITH POTENTIAL USE IN THE PRESERVATION OF THE CULTURAL HERITAGE AND PREVENTING MICROBIAL RESISTANCE
13 ¹⁰ -13 ⁴⁵ – On-line poster presentations & coffee break			
Plenary session – part 3			
PS-11	13 ⁴⁵	Boyko TSYNTSARSKI	CARBON MATERIALS FOR CO ₂ ABATEMENT AND HYDROGEN FUEL

SECTIONS PRESENTATIONS

Section 1 - Multifunctional materials, nanocomposites, innovative technologies and cultural heritage preservation

&

Section 2 - Bioresources, biotechnologies and biorefining

ORAL PRESENTATIONS

11⁰⁰-12⁴⁵

Zoom address: PRIOCHEM day 2

Chairpersons: Tanța Verona IORDACHE, Cristina Emanuela ENĂȘCUȚĂ

No.	Authors	Title
PO-10	Irina-Georgiana Munteanu, Constantin Apetrei	ELECTROANALYTICAL METHOD FOR DETERMINATION OF ROSMARINIC ACID BASED ON CHEMICALLY MODIFIED SENSORS
PO-15	Elisabeta-Irina Geana, Corina Teodora Ciucure, Constantin Apetrei	AUTHENTICATION AND DETECTION OF ADULTERATION OF EXTRA VIRGIN OLIVE OIL BASED ON THE COMPOSITION OF PHENOLIC COMPOUNDS
PO-11	Ciprian Iacob, Radu Andrei, Cosmin Ungureanu, Elena Carcadea	SOLID POLYMER COMPOSITE ELECTROLYTES FOR ALL-SOLID-STATE RECHARGEABLE LITHIUM BATTERIES
PO-16	Alban Coulon, Bogdan Trică, Diana Constantinescu-Aruxandei, Marius Ghiurea, Ovidiu Dima, Naomi Tritean, Cédric Delattre, Pascal Dubessay, Florin Oancea	CHARACTERIZATION OF 3D PRINTED LAPONITE/DIATOMITE/HYDROXYAPATITE/SODIUM ALGINATE SCAFFOLDS WITH POTENTIAL USE AS BONE IMPLANTS
PO-17	Dobre Tanase, Oana Cristina Parvulescu, Violeta Alexandra Ion, Crustian Eugen Raducanu	NEW ENGINEERING ASPECTS OF HYDROLYSIS-FERMENTATION AND PYROLYSIS OF BIOMASS RESIDUES
PO-12	Lucia Pintilie, Adela Staras, Anamaria Hanganu, Maria Maganu, Miron Theodor Caproiu	DESIGN, SYNTHESIS, MOLECULAR DOCKING AND ANTIBACTERIAL EVALUATION OF THE QUINOLONES COMPOUNDS
PO-18	Ștefan-Ovidiu Dima, Naomi Tritean, Luiza Capră, Raluca Bunghez, Rusândica Stoica, Toma Fistos, Radu-Claudiu Fierăscu, Cristian-Andi Nicolae, Valentin Rădițoiu, Bogdan Trică, Florin Oancea	CARBON-CALCIUM BASED BIONANOCATALYST FOR ADSORPTION AND DECOMPOSITION OF ORGANIC POLLUTANTS

ON-LINE POSTER SESSION – part 2

13²⁵-13⁴⁵

Zoom address: PRIOCHEM day 2

Chairpersons: Adriana FRONE, Ana Maria GURBAN

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Symposium closing ceremony

Zoom address: PRIOCHEM day 2

Mihaela DONI, General Manager - ICECHIM

Zina VULUGA, President of the Scientific Council of ICECHIM

Florin OANCEA, Scientific Director - ICECHIM

Andrei SÂRBU, President of Bucharest 3 branch of the Romanian Chemical Society
