

TIME SCHEDULE - SHORT PROGRAM

Thursday, 31th October 2019,

- 08⁰⁰ – 09⁰⁰ Registration of participants (1st floor – central hall)
- 09⁰⁰ – 09¹⁵ *Symposium opening. Speeches of the official guests - Room 1 (3rd floor)*
- 09¹⁵- 09⁴⁵ *IN MEMORIAM Prof. dr. eng. Mihai Dimonie*

Plenary sessions

Thursday, 31st October 2019, Room 1 (3rd floor)

Session I

Chairpersons: Mihaela Doni, Andrei Sarbu

9 ⁴⁵ -10 ¹⁵	<u>Katri LAATIKAINEN</u> , Omoniyi PEREAO, Chris BODE-ALUKO, Guillaume NDAYAMABAJE, Leslie PETRIK	Metal Specific Functionalized Nanofibers
10 ¹⁵ -10 ⁴⁵	<u>Luc AVÉROUS</u>	From Biomass to Innovative Polyurethane Materials for a Large Range of Applications: Our state of Art
10 ⁴⁵ -11 ¹⁵	<u>Leslie F. PETRIK</u> , Jimoh TIJANI, Akhona GURA, Emile S. Massima MOUELE, Mihaela DINU, Anca C. PARAU, Alina VLADESCU, Mariana BRAIC	Synthesis and Characterization of Supported TiO ₂ Based Nano Catalysts and Application for the Removal of Water Contaminants
11 ¹⁵ -11 ³⁰	<i>Coffee break</i>	

Session II

Chairpersons: Zina Vuluga, Andrei Sarbu

11 ³⁰ -12 ⁰⁰	Alyne LAMY-MENDES, JoãoP. VAREDA, Rafael B. TORRES, TelmaMATIAS, Artur J.M. VALENTE, <u>Luísa DURÃES</u>	Tailoring the Versatile Chemistry of Silica Aerogels for Pollutants Capture
12 ⁰⁰ -12 ³⁰	<u>Xavier PERRIN</u> , Anthony GRARD, Lénaïk BELEC	Silane Primers as Adhesion Promotors for Coatings
12 ³⁰ -13 ⁰⁰	<u>Boyko TSYNTSARSKI</u> , Eli GRIGOROVA, Pavel MARKOV, Ivanka STOYCHEVA, Georgi GEORGIEV, Bilyana PETROVA, Marinela Victoria DUMITRU, Crina Thea COJOCARU, Razvan Edward BOTEZ	New Carbon Materials

Section 1
MULTIFUNCTIONAL MATERIALS AND NANOCOMPOSITES

Oral presentations

Thursday, 31th October 2019, Room 1 (3rd floor)

Chairpersons: Anton Ficai, Radu Claudiu Fierascu

14 ⁰⁰ -14 ¹⁵	<u>Constantin TANASE</u> , Constantin DRAGHICI, Anamaria HANGANU, Lucia PINTILIE, Maria MAGANU, Cristian V.A. MUNTEANU, Alexandrina VOLOBUEVA, Ekaterina SINEGUBOVA, Vladimir V. ZARUBAEV, Johan NEYTS, Dirck JOCHMANS, Alexander V. SLITA	New carbocyclic nucleosides with a constrained bicyclo[2.2.1]heptane fragment as a glycoside moiety
14 ¹⁵ -14 ³⁰	<u>Ana Alexandra SORESCU</u> , Alexandrina NUTA, Ioana Raluca SUICA – BUNGHEZ, Elena Ramona ANDREI, Lorena IANCU, Rodica Mariana ION	Green – synthesized silver nanoparticles as multifunctional materials for the degradation of different dyes
14 ³⁰ -14 ⁴⁵	<u>Lucia PINTILIE</u> , Constantin TANASE, Elena MIHAI, Maria MAGANU, Miron Teodor CAPROIU	Design, synthesis, molecular docking and antibacterial screening of some quinolone compounds
14⁴⁵-15⁰⁰	<i>Coffee break</i>	
15 ⁰⁰ -15 ¹⁵	<u>Raul-Augustin MITRAN</u> , Daniel LINCUI, Valentin Victor JERCA, Daniela BERGER, Cristian MATEI	High temperature nanocomposite phase change materials containing mesoporous silica matrices
15 ¹⁵ -15 ³⁰	<u>Daniel LINCUI</u> , Simona IONIȚĂ, Raul-Augustin MITRAN, Mihaela DEACONU, Ana-Maria BREZOIU, Cristian MATEI, Daniela BERGER	Influence of mesoporous silica functionalization and pore size on resveratrol release profiles
15 ³⁰ -15 ⁴⁵	<u>Stefan ROBU</u> , Pavel TIULEANU, Tamara POTLOG, Ion LUNGU, Veronica SAVA, Viorel PRISAKARU	Water-soluble metallphthalocyanine grafted copolymers for medical practice

Section 1
MULTIFUNCTIONAL MATERIALS AND NANOCOMPOSITES

Poster presentations

9⁰⁰-13⁰⁰, 1st November 2019, Ground floor

S1-P1	Vasilica ȚUCUREANU*, Alina MATEI, Andrei AVRAM, Bianca ȚÎNCU, Cătălin ȚUCUREANU, Daniel MUNTEANU	Influence of the Polymeric Matrix Type on the Optical Properties of YAG: Ce,Gd Phosphor
S1-P2	Mădălina ICRIVERZI*, Paula FLORIAN, Magdalena MOISEI, Oana GHERASIM, Gianina POPESCU-PELIN, Mihaela TRIF, Gabriel SOCOL, Anca ROȘEANU	Composite Coatings Based on PLGA for Topical Treatment
S1-P3	Elena-Ruxandra RADU, Denis Mihaela PANAITESCU*, Ioana CHIULAN, Cristian Andi NICOLAE, Raluca Augusta GABOR, Sorin Valentin RADITOIU, Monica Florentina RADULY	Preparation and Characterization of Highly Porous Cellulosic Foams for Biomedical Applications
S1-P4	Mădălina Andreea BADEA*, Mihaela BALAS, Daniela IONIȚĂ, Anca DINISCHIOTU	Cytotoxic Effects of Carbon Nanotubes and Cisplatin Conjugates on 3D Breast Cancer Cellular Models
S1-P5	Răzvan PETRE*, Raluca GINGHINĂ, Liliana RECE, Nicoleta PETREA, Irina Elena CHICAN, Florica Adriana JERCA	Future Perspective for Incorporation and Removal of Chemical Agents from Contaminated Surfaces
S1-P6	Bogdan Cătălin ȘERBAN*, Octavian BUIU, Cornel COBIANU, Viorel AVRAMESCU, Nicolae DUMBRĂVESCU, Mihai BREZEANU, Marius BUMBAC, Cristina Mihaela NICOLESCU, Roxana MARINESCU	Ternary Carbon-Based Nanocomposite as Sensing Layer for Resistive Humidity Sensor
S1-P7	Denisa Loredana COPILU*, Andreea MAIDANIUC, Tudor BUTTE, Florin MICULESCU, Rodica-Mariana ION*	Studies on Obtaining Porous Hydroxyapatite Structures Using Porogen Agents of Natural Origin
S1-P8	Alina MATEI*, Oana TUTUNARU, Bianca ȚÎNCU, Vasilica ȚUCUREANU	Multifunctional Protective Coatings of RE-ZnO Nanocomposite Deposited on Metallic Alloys
S1-P9	Mariana-Grațiela VLADU, Gabriela SAVOIU, Ramona Daniela PAVALOIU, Fawzia SHA'AT, Maria SPIRIDON, Mihaela Carmen EREMIA*	Microbial Production of Polyhydroxyalkanoates from Structural Correlated Substrates

S1-P10	Ana-Maria GURBAN*, Petru EPURE, Iuliana RAUT, Mariana CALIN, GELU VASILESCU, Luiza JECU, Melania-Liliana ARSENE, Mihaela DONI*	Detection of Aflatoxin M1 Using a Dual Immunosensing Platform
S1-P11	Bogdan SPURCACIU, Lorena IANCU*, Ramona Elena ANDREI, Rodica-Mariana ION, Paul GHIOCA, Ramona GRIGORESCU, Cristian NICOLAE, Raluca GABOR, MARIA RAPA, Ecaterina MATEI	Nanofibres Obtained by Electrospinning from Thermoplastic Elastomer and Graphene Composites
S1-P12	Adriana N. FRONE*, Ioana CHIULAN, Madalina OPREA, Alexandru S. STOIAN, Denis M. PANAITESCU, Augusta R. GABOR, Cristian A. NICOLAE	Effect of Different Poss Structures on Thermal and Morphological Properties of a Biodegradable Polyester
S1-P13	Paul GHIOCA, Madalina Elena DAVID*, Mircea Ioan FILIPESCU, Ramona Marina GRIGORESCU, Lorena IANCU, Rodica-Mariana ION, Ramona Elena ANDREI, Raluca GABOR, Cristian Andi NICOLAE, Bogdan SPURCACIU	Composites of Styrene-Butadiene Block Copolymer Reinforced with Waste Printed Circuit Boards (WPCB)
S1-P14	Elena Ramona ANDREI, Madalina DAVID*, Ramona Marina GRIGORESCU, Paul GHIOCA, Lorena IANCU, Rodica-Mariana ION, Mircea FILIPESCU, Raluca Gabor, Cristian Andi NICOLAE, Bogdan SPURCACIU, Laurentiu MARIN	Composites Based on Waste Printed Circuit Boards (WPCB) and Waste Polypropylene
S1-P15	Bogdan SPURCACIU, Lorena IANCU*, Mircea FILIPESCU, Rodica-Mariana ION, Paul GHIOCA, Ramona GRIGORESCU, Cristian NICOLAE, Raluca GABOR, Maria RAPA, Ecaterina MATEI	Polymeric Nanofibers Manufactured By Electrospinning Of Styrene-Ethylene-Butylene-Styrene (SEBS) Composites
S1-P16	Emile S. Massima MOUELE, Mihaela DINU, Anca C. PARAU, Roland MISSENGUE, Alina VLADESCU, Leslie F. PETRIK*, Mariana BRAIC	Evaluation of Photo Catalysis Effect of Stainless Mesh Coated with Nitrates, Oxynitrates and Transition Metals Cr and Ti on the Degradation of Orange II Dye
S1-P17	Ana-Maria GURBAN*, Petru EPURE, Iuliana RAUT, Mariana CALIN, Gelu VASILESCU, Luiza JECU, Melania-Liliana ARSENE, Mihaela DONI*	Innovative Sensing Platforms for Toxic Compounds Detection
S1-P18	Beatrice GIRBACIU*, Mariana CRISTEA, Daniela IONITA, Silvia MATHE, Doina DIMONIE	Physical Modification of PLA for Increasing it's Durability (Polarising Light Microscopy Study)
S1-P19	Maria MARINESCU*, Ludmila-Otilia CINTEZA, George Iuliu MARTON, Iulian IONITA	Synthesis, Characterization, DFT Studies and NLO Properties ff Some Benzimidazole Compounds
S1-P20	Silvia MATHE*, Beatrice GÎRBACIU, Doina DIMONIE	DSC Study of Cold Crystallization Process Characterizing the Stereo-complexed Pla Compounds

S1-P21	Doina DIMONIE*, Beatrice GIRBACIU	The Shape Memory Polymeric Materials and the Additive Manufacturing Technology as Promoter of The Future Smart Society
S1-P22	Ludmila Otilia CİNTEZA, Adina RADUCAN*, Petruța OANCEA, Lia Mara DITU, Cristina SCOMOROSCENCO, Elvira ALEXANDRESCU, Cristina Lavinia NISTOR, Cristian PETCU, Laura CHIRILĂ, Ioana Rodica STĂNCULESCU	Synergistic Effects in Nanoparticle-based Protective Coatings for Paper and Textiles
S1-P23	Ludmila Otilia CİNTEZA*, Daniela BALA, Adina RADUCAN, Cristina SCOMOROSCENCO, Elvira ALEXANDRESCU, Cristina Lavinia NISTOR, Cristian PETCU, Laura CHIRILA, Ioana Rodica STANCULESCU	Novel Coatings for Superhydrophobic/Superamphiphobic Surfaces with Tunable Morphology of Nanoparticles
S1-P24	Catalina CRISTEA, Stefan-Ovidiu DIMA*, Anca-Andreea TURCANU, Elena RADU, Nicoleta STANCIUC, Sanda-Maria DONCEA, Angela MORARU, Radu-Claudiu FIERASCU, Bogdan TRICA, Florin OANCEA	Molecularly Imprinted Thermo-Responsive Biohydrogels for Polyphenols Concentration from Phyto-Extracts
S1-P25	Georgi GEORGIEV*, Nartzislav PETROV, Boyko TSYNTSARSKI, Bilyana PETROVA, Tanta-Verona IORDACHE, Ana Maria ZAHARIA, Slawomira PUSZ, Urszula SZELUGA	C-C Composites and their Application as Electrode Materials
S1-P26	Ivanka STOYCHEVA*, Temenuzhka BUDINOVA, Miglena VASILEVA, Antoana BAHOVA, Boyko TSYNTSARSKI, Mehmed FERHAT YARDIM, Andrei Sarbu, Teodor SANDU, Anita RADU	Characterization and Application of Nanoporous Carbon from RDF Waste for Tannin Removal

Section 2
BIO-RESOURCES, BIOTECHNOLOGIES AND BIOREFINING
Oral presentations

Thursday, 31st October 2019, Room 2 (1st floor)

Chairpersons: Petruta Cornea, Florin Oancea

14 ⁰⁰ -14 ¹⁵	<u>Anca-Daniela RAICIU</u>	Gemmotherapy-modern medicine
14 ¹⁵ -14 ³⁰	<u>Ana-Maria BREZOIU</u> , Mihaela DEACONU, Daniel LINCUI, Cristian MATEI, Daniela BERGER	Encapsulated polyphenols extract from grape marc into inorganic supports with enhanced stability
14 ³⁰ -14 ⁴⁵	<u>Alexandru VLAICU</u> , Andrei GIURGEA, Ana-Maria GALAN, Sanda VELEA	Synthesis of chitosan based biofloculants and their use for microalgae harvesting
14 ⁴⁵ -15 ⁰⁰	<i>Coffee break</i>	
15 ⁰⁰ -15 ¹⁵	<u>Grigore PSENOVSCHI</u> , Alin VINTILA, Catalin MATEI, Anca PAULENCO, Sanda VELEA	Biogas production by anaerobic digestion coupled with wastewater treatment

Section 2
BIO-RESOURCES, BIOTECHNOLOGIES AND BIOREFINING

Poster presentations

14⁰⁰-18⁰⁰, 31st October 2019, Ground floor

S2-P1	Teodora COSTEA*, Maria-Daria STĂNCIULESCU, Maria Lidia POPESCU, Ioana NENCU, Ligia Elena DUȚU, Cerasela Elena GÎRD	Chemical composition and antioxidant activity of some widely consumed fruit juices
S2-P2	Ana Despina IONESCU*, Angela CĂȘĂRICĂ, Roxana Mădălina STOICA, Mariana Gratiela VLADU	Biotechnological studies concerning the ethanol obtaining from sugar beet molasses or from hydrolysed cornflour, in a pilot scale fermenter
S2-P3	Dorin BOMBOS*, Catalina CALIN, Sanda VELEA, Mihaela BOMBOS, Rami DOUKEH, Gabriel VASILIEVICI, Elena-Emilia OPRESCU	Bio-fluxing agent for bitumen road based on pyrolysis bio-oil
S2-P4	Ana CRACICA*, Maria PARASCHIV, Elena DUMITRESCU, Gratiela BARBU, Ramona VISOIU, Andreia VLADIMIRESCU, Daniela MURESAN	Clean technologies combining phytoremediation with biofuel production – Part 1
S2-P5	Elena UȚOIU*, Andreea IOSĂGEANU, Agnes TOMA, Sorin MĂNOIU, Claudiu UȚOIU, Anca OANCEA	Isolation and characterization of kefir exopolysaccharides from Romanian kefir grains
S2-P6	Alice GRIGORE*, Lucia PIRVU, Corina BUBUEANU, Ioan PUIU	Identification of valuable bioactive compounds in underused plant parts of industrial hemp
S2-P7	Catalina SANDA*, Lucia MOLDOVAN, Rodica TATIA, Agnes TOMA, Alexandra GASPARG-PINTILIESCU, Ticuta NEGREANU-PIRJOL	Extraction and characterization of glycosaminoglycans from marine snail <i>Rapana venosa</i>
S2-P8	Paul BEGEA*, Nicoleta RADU, Mariana CONSTANTIN, Gelu VASILESCU, Iulia RAUT, Ovidiu POPA, Marilena Gabriela ZAHARIE, Lucia PARVU, Mihaela BEGEA	Natural bioproducts and their potential preservative properties in food industry
S2-P9	Maria PARASCHIV*, Carmen CONSTANTIN, Radu KUNCSEK, Marius ENACHE, Malina PRISECARU, Ana CRACICA, Elena DUMITRESCU	Clean technologies combining phytoremediation with biofuel production – Part II
S2-P10	Mălina DEȘLIU-AVRAM*, Cătălina-Diana CRISTEA, Diana CONSTANTINESCU-ARUXANDEI, Florin OANCEA	Optimization of chitin extraction from <i>Agaricus bisporus</i> using a Taguchi Design
S2-P11	Diana PASARIN*, Camelia ROVINARU	Separation methods of the eggshell membranes from eggshell
S2-P12	Iuliana RĂUT*, Mariana CĂLIN, Ana-Maria GURBAN, Mihaela DONI, Melania-Liliana ARSENE, Gelu VASILESCU, Luiza JECU	Qualitative assessment of beneficial microorganisms

S2-P13	Raluca SUICA-BUNGHEZ*, Lorena IANCU, Rodica-Mariana ION	Antioxidant activity and phytochemical compounds of <i>Capsicum annuum L.</i>
S2-P14	Cristina Emanuela ENĂȘCUȚĂ, Elena Emilia OPRESCU, Adrian RADU, Elena RADU, Marian DEACONU, Doru-Gabriel EPURE, Mihai GIDEA, Mihaela NICULESCU, Carmen GAIDAU	Rape seeds a rich source of polyunsaturated fatty acids
S2-P15	Alexandra SORESCU*, Nicoleta RADU, Mariana CONSTANTIN, Iulia RAUT, Alexandrina NUTA, Rodica Mariana ION, Gelu VASILESCU, Marilena Gabriela ZAHARIE	Antimicrobial properties of bionanomaterials obtained from vegetable sources
S2-P16	Mihaela BOMBOS, Gabriel VASILIEVICI*, Sanda VELEA, Adrian RADU, Elena-Emilia OPRESCU, Simona-Bianca GHIMIS, Dorin BOMBOS	Pyrolysis of sunflower oil mucilages for fluxing bitumen
S2-P17	Mariana POPESCU*, Florin OANCEA, Elena RADU, Mălina DEȘLIU-AVRAM	Preliminary results on aroma compounds recovery from wine lees
S2-P18	Elena-Emilia OPRESCU*, Adrian RADU, Cristina-Emanuela ENĂȘCUȚĂ, Gabriel VASILIEVICI, Elena RADU, Grigore PSENOVSCHI, Vasile LAVRIC	Effect of temperature and composition on viscosity of different formulation of ethyl levulinate/diesel fuel/biodiesel
S2-P19	Anca PAULENCO*, Ana-Maria GALAN, Alin VINTILA, Alin ENACHE, Radu UDREA, Sanda VELEA	Assessing the impact of low level laser radiation on microalgae culture
S2-P20	Marian DEACONU*, Marian CRUDU	Composite materials from solubilized collagen – Theoretical approach
S2-P21	Simona-Bianca GHIMIS*, Gabriel VASILIEVICI, Elena RADU, Sanda VELEA, Radu FIERASCU	Bio-oil produced via catalytic pyrolysis of the solid digestates from anaerobic co-digestion plants
S2-P22	Marius GHIUREA, Stefan-Ovidiu DIMA, Anca-Andreea TURCANU, Radu-Claudiu FIERASCU, Cristian-Andi NICOLAE, Bogdan TRICA, Florin OANCEA	Carbonaceous nanostructures obtained by hydrothermal conversion of biomass
S2-P23	Victor Alexandru FARAON*, Constantin NEAMTU, Florin OANCEA	NPK fertilizers' coatings using biodegradable by-products from the agro-food industry
S2-P24	Stefan-Ovidiu DIMA*, Anca-Andreea TURCANU, Victor FARAON, Elena RADU, Ana-Maria Stanciuc, Sanda-Maria DONCEA, Angela MORARU, Bogdan TRICA, Radu-Claudiu FIERASCU, Florin OANCEA	Chitosan nanoparticles stabilized with gallic acid, NDBNC and alginate, having biostimulant potential for plants

S2-P25	Naomi TRITEAN*, Otilia-Gabriela BĂRBIERU, Diana CONSTANTINESCU-ARUXANDEI, Florin OANCEA	Extraction and plastein reaction of bioactive peptides from <i>Agaricus bisporus</i> mushrooms
S2-P26	Eliza-Gabriela MIHĂILĂ*, Carmen Valentina NICOLAE, Victor FARAON, Diana CONSTANTINESCU-ARUXANDEI, Florin OANCEA	Keratin extraction from wool and feathers using natural deep eutectic solvents
S2-P27	Ioana-Cristina MARINAȘ*, Bogdan Trică, Carmen-Valentina NICOLAE, Florin OANCEA, Diana CONSTANTINESCU-ARUXANDEI	The ethaline effect on feruloyl esterase activity
S2-P28	Carmen-Valentina NICOLAE*, Bogdan TRICĂ, Sanda-Maria DONCEA, Ioana Cristina MARINAȘ, Florin OANCEA, Diana CONSTANTINESCU-ARUXANDEI	Evaluation and optimization of polysaccharides and ferulic acid solubility in NaDESs using surface response methodology
S2-P29	Alina-Elena NEGOI*, Cătălina-Diana CRISTEA, Mălina DEȘLIU-AVRAM, Diana CONSTANTINESCU-ARUXANDEI, Florin OANCEA	Extraction of fungal chitin using natural deep eutectic solvents
S2-P30	Otilia-Gabriela BĂRBIERU*, Luminița DIMITRIU, Mariana CĂLIN, Iuliana RĂUT, Diana CONSTANTINESCU-ARUXANDEI, Florin Oancea	Plant biostimulants based on selenium nanoparticles biosynthesized by <i>Trichoderma</i> strains
S2-P31	Ioana-Alexandra BALA*, Cătălina-Diana CRISTEA, Diana CONSTANTINESCU-ARUXANDEI, Luminița MARIN, Sanda-Maria DONCEA, Florin OANCEA	Improving the shelf-life of fruits using chitosan and chitosan-based glycodynamer coatings
S2-P32	Malina DESLIU-AVRAM, Stefan-Ovidiu DIMA*, Anca-Andreea TURCANU, Elena RADU, Ana-Maria STANCIUC, Sanda-Maria DONCEA, Angela MORARU, Irina FIERASCU, Bogdan TRICA	Nanoemulsions based on biopolymers loaded with humic and fulvic acids derived from hydrothermally treated biomass

Section 3
ENVIRONMENTAL AND CULTURAL HERITAGE PROTECTION
Oral presentations

Thursday, 31st October 2019, Room 2 (1st floor)

Chairpersons: Victor David, Valentin Raditoiu

15 ¹⁵ -15 ³⁰	Victor FRUTH, Luminita PREDOANA, <u>Iuliana POENARU</u> , Ligia TODAN, Ludmila ARICOV, Madalina CIOBANU, Luiza JECU, Rodica ION	Multifunctional metal oxide nanopowder - polymer composite coatings for stone built heritage conservation
15 ³⁰ -15 ⁴⁵	<u>Virgil BADESCU</u>	Contributions to the interpretation of mass spectrum of octaethoxycyclotetrasiloxane. Linked scans and isotopic effects

Section 3
ENVIRONMENTAL AND CULTURAL HERITAGE PROTECTION

Poster presentations

14⁰⁰-18⁰⁰, 31st October 2019, Ground floor

S3-P1	Anton FICAI*, Denisa FICAI, Bogdan Stefan VASILE, Dan Eduard MIHAIESCU, Bogdan PURCAREA, Marcela POPA, Carmen Mariana CHIFIRIUC	Antibiotic incidence, distribution and resistance in wastewaters
S3-P2	Camelia UNGUREANU*, Liliana Cristina SOARE, Diana VIZITIU, Mirela CALINESCU, Irina FIERASCU, Radu Claudiu FIERASCU	Isolation of <i>Plasmopara viticola</i> from grapevine leaves
S3-P3	Ileana MOHANU*, Dan MOHANU, Ioana GOMOIU, Roxana-Magdalena FECHET, Adriana MOANȚĂ, Ionela PETRE	Restoration materials compatible with heritage wall paintings
S3-P4	Adriana MOANȚĂ, Doru Vladimir PUȘCAȘU, Gherghina CIORTAN, Cristina Andreea VIJAN, Marina MARTIN, Jenica PACEAGIU*, Maria PARASCHIV, Mălina PRISECARU, Alina Elena POP	Evaluation of harmful factors of municipal solid waste in order to be valorized in industrial application
S3-P5	Liliana Cristina SOARE, Irina FIERASCU, Radu Claudiu FIERASCU, Codruța Mihaela DOBRESCU, Alina PAUNESCU, Anca Nicoleta SUTAN, Oana Alexandra DRAGHICEANU*	The germination of spores and gametophyte development in ferns under extracts influence
S3-P6	Alina PAUNESCU, Irina FIERASCU, Radu Claudiu FIERASCU, Cristina Maria PONEPAL*, Cristina MIHAIESCU, Liliana Cristina SOARE	Histopathological alteration on marsh frog skin induced by the action of Dual Gold 960EC herbicide
S3-P7	Radu Claudiu FIERASCU, Roxana Ioana BRAZDIS*, Ileana FĂRCĂȘANU, Lavinia RUTA, Lia Mara DITU, Anca Nicoleta SUTAN, Cristian Andi NICOLAE, Valentin RADITOIU, Raluca SOMOGHI, Cristina Liliana SOARE	Decorated apatitic materials: synthesis, characterization and potential application
S3-P8	Toma FISTOS, Anda Maria BAROI*, Sorin Marius AVRAMESCU, Irina FIERASCU, Roxana Ioana BRAZDIS, Irina Elena CHICAN, Radu Claudiu FIERASCU	Adsorption of dyes from aqueous solutions using apatitic materials

S3-P9	Anda Maria BAROI, Toma FISTOS*, Diana VIZITIU, Valentin RADITOIU, Roxana Ioana BRAZDIS, Camelia UNGUREANU, Irina Elena CHICAN, Radu Claudiu FIERASCU, Irina FIERASCU	Large scale production of nanomaterials based formulation for horticultural applications
S3-P10	Irina FIERASCU, Roxana Ioana BRAZDIS*, Anda Maria BAROI, Toma FISTOS, Alexandru STIRBAN, Ariana Codruța LEAHU, Lia Mara DITU, Petronela FOTEA, Radu Claudiu FIERASCU	Non-invasive treatment based on nanomaterials for cultural heritage objects
S3-P11	Irina FIERASCU, Radu Claudiu FIERASCU*, Petronela FOTEA, Roxana Ioana BRAZDIS, Anda Maria BAROI, Toma FISTOS	Overview of the materials used for the conservation/ restoration of traditional buildings
S3-P12	Radu Claudiu FIERASCU, Irina FIERASCU*, Adriana MOANTA	Models of environmental impact assessment of emerging technologies from chemical and cement industry
S3-P13	Irina Elena CHICAN, Iuliana-Lidia CALANCEA, Dana VĂRĂȘTEANU*, Razvan PETRE, Irina FIERĂSCU, Elena-Gabriela CURCA, George SURDU	Evaluation of peroxide-based compositions containing amino acid surfactants
S3-P14	Sanda Maria DONCEA*	FTIR analysis both for degradation and treatment with nanoparticles of historical paper
S3-P15	Madalina Elena DAVID*, Rodica-Mariana ION, Lorena IANCU, Ramona Marina GRIGORESCU, Ramona Elena ANDREI, George Ionut RADU, Mircea Ioan FILIPESCU, Alexandrina NUTA, Ana-Alexandra SORESCU	Photocatalytic degradation of direct orange dye under solar light
S3-P16	Lorena IANCU*, Rodica-Mariana ION, Ramona Marina GRIGORESCU, Paul Niculae GHIOCA, Madalina Elena DAVID, Ramona Elena ANDREI, George Ionut RADU, Mircea Ioan FILIPESCU, Raluca Ioana SUICA-BUNGHEZ, Cristian Andi NICOLAE, Raluca SOMOGHI, Bogdan TRICA, Sofia TEODORESCU	Surface consolidation of model stone samples with carbonated hydroxyapatite
S3-P17	Ionut MARINA*, Rodica-Mariana ION, Madalina Elena DAVID, Lorena IANCU, Ramona Marina GRIGORESCU	Investigation of chromatic parameters of some samples from Constanta Casino
S3-P18	Diana Alexandra MINEA, Rodica-Mariana ION, Alexandra SORESCU	The influence of solvents on the stability of carbonated hydroxyapatite
S3-P19	Mihaela Luminița UDREA, Vanessa TRĂISTARU, Alexandra SORESCU*, Mădălina Elena DAVID, Elena Ramona ANDREI, Rodica Mariana ION	Electrical resistivity and moisture content measurements for some concrete samples

S3-P20	Sorina Florentina VASILE, George-Ionuț RADU, Alexandra SORESCU*, Mircea Ioan FILIPESCU, Rodica-Mariana ION	Determination of sulphates in model stones and stones from Corvins' Castle
S3-P21	George-Ionut RADU, Madalina DAVID*, Sorina VASILE, Rodica Mariana ION, Lorena IANCU, Ramona GRIGORESCU, Ramona ANDREI, Mircea FILIPESCU	Elemental and corrosion investigations performed on coins from 20 th century
S3-P22	Anca-Andreea TURCANU, Stefan-Ovidiu DIMA*, Maria RAPA, Radu-Claudiu FIERASCU, Cristian-Andi NICOLAE, Marius GHIUREA	Biopolymeric-hydrothermal carbon beads for decontamination of polluted waters
S3-P23	Stefan-Ovidiu DIMA*, Anca-Andreea TURCANU, Sanda Maria DONCEA, Radu-Claudiu FIERASCU, Marius GHIUREA, Bogdan TRICA	Catalytic aerogels based on biopolymers and hydrothermal carbon for adsorption and degradation of organic pollutants

Section 4
STUDENTS SECTION
Oral presentations

9⁰⁰-11³⁰, 1st November 2019, Room 1 (3rd floor)

Chairpersons: Florica Adriana Jerca, Mihaela Doni

9 ⁰⁰ -9 ³⁰	<u>Florica Adriana JERCA</u> , Valentin Victor JERCA, Dumitru Mircea VULUGA, Richard HOOGENBOOM* (<i>Invited presentation</i>)	Poly(2-isopropenyl-2-oxazoline) as versatile platform for multi-functional materials
9 ³⁰ -9 ⁵⁰	<u>Georgiana POPA</u> , Adina RADUCAN, Petruta OANCEA, Ludmila Otilia CINTEZA	Mixed polymeric micelles based on vitamin e as drug delivery systems for hydrophobic anti-cancer drugs
9 ⁵⁰ -10 ¹⁰	Adina RADUCAN, <u>Petruta OANCEA</u> , Ludmila Otilia CINTEZA, Diana RISTIC*	Studies on the urease – antibiotics interaction
10 ¹⁰ -10 ³⁰	<u>Gabriela PETCU</u> , Madalina CIOBANU, Irina ATKINSON, Adriana BARAN, Florica PAPA, Daniela CULITA, Viorica PARVULESCU	Modified zeolite nano-TiO ₂ composites: effects of TiO ₂ loading on photocatalytic properties
11 ⁰⁰ -11 ²⁰	<u>Georgiana Cornelia ISPAS</u> , Valentin RADITOIU, Alina RADITOIU, Florentina Monica RADULY, Violeta PURCAR, Raluca MANEA, Luminita Eugenia WAGNER	Colored coating materials with spectrally selective reflectance for woodland camouflage textile fabrics
11 ²⁰ -11 ⁴⁰	Violeta PURCAR, <u>Raluca MANEA</u> , Valentin RADITOIU, Alina RADITOIU, Florentina Monica RADULY, Adriana FRONE, Mihai ANASTASESCU, Georgiana Cornelia ISPAS, Luminita Eugenia WAGNER	Preparation of transparent sol-gel modified silica hydrophobic coatings on plastic substrates
11 ⁴⁰ -12 ⁰⁰	<u>George Mihail TEODORESCU</u> , Zina VULUGA, Cosmin Mihai COROBEA, Cristi Andi NICOALE, Raluca Augusta GABOR, Nicoleta LEVINTA, Andreea Alexandra MAINEA	The nanomechanical and tribological properties of polyamide/hydroxycalcite nanocomposites
12 ⁰⁰ -12 ²⁰	<u>Alexandru SAVASTRE</u>	Indoor shooting range ventilation system

The time allocated for each presentation is 20 minutes (12-15 minutes for your presentation, 5-8 minutes for Q&A)!

Section 4
STUDENTS SECTION
Short-Poster presentations
16⁰⁰-18³⁰, 31st October 2019, Room 1 (3rd floor)

Chairpersons: Petruta Cornea, Florin Oancea, Cristina Lavinia Nistor

The posters will be displayed on the ground floor, on November 1st, 9⁰⁰-13⁰⁰

S4-P1	Adriana F. POPESCU*, Cristina LUNTRARU, Miruna NEAGU, Alexandru SUCIU, Zoltán MAROSY	Influence of soil fertilization with plant waste on phytochemical composition of some medicinal plants
S4-P2	Catalin BILBIE, Andra GHIZDAREANU*, Cristian FIERU	Flavor profile for fusel oil pyrazines
S4-P3	Andreea IOSAGEANU*, Daniela ILIE, Anca OANCEA, Alexandra GASPAPINTILIESCU, Florin OANCEA, Oana CRACIUNESCU	Evaluation of fish hydrolyzate interaction with skin cells
S4-P4	Georgeta-Ramona IVAN *, Rusandica STOICA, Elena RADU, Luiza CAPRA, Mihaela MANOLACHE	Determination of benzalkonium chloride from biocide products: selectivity study
S4-P5	Simona SAVIN, Loredana-Ştefania ANTOHI*, Anca OANCEA, Agnes TOMA, Ana-Maria STANCIUC, Florin OANCEA, Oana CRACIUNESCU	<i>In vitro</i> effect of fungal chitosan on tumoral cells and microbial cultures
S4-P6	Ramona-Daniela PĂVĂLOIU, Fawzia SHA'AT*, Corina BUBUEANU, Georgeta NEAGU, Cristina HLEVCA, Mousa SHA'AT, Gheorghe NECHIFOR	Antioxidant properties and cytoprotective effect against H ₂ O ₂ -induced cytotoxicity in mouse fibroblasts cells (L-929) of horseradish leaves
S4-P7	Luminita DIMITRIU, Stefan-Ovidiu DIMA*, Mariana PATRASCU, Elena RADU, Angela MORARU, Radu-Claudiu FIERASCU, Florin OANCEA	Nanoemulsions of essential oils of coltsfoot (<i>Tussilago farfara</i>) and sage (<i>Salvia officinalis</i>) stabilized in biohydrogels
S4-P8	Carmen NICOLAE, Stefan-Ovidiu DIMA*, Anca-Andreea TURCANU, Angela MORARU, Sanda-Maria DONCEA, Cristian-Andi NICOLAE, Florin OANCEA	Enzyme immobilization on bioactive thermo-responsive biohydrogels based on never-dried bacterial nanocellulose
S4-P9	Vanda-Adriana MITRANĂ*, Mihaela Carmen CHEREGI, Iulia Gabriela DAVID	Alternative methods for antioxidants determination
S4-P10	Ana-Maria SECIU*, Oana CRACIUNESCU, Ligia STAN, Otilia ZARNESCU	Anti-inflammatory activity of biomaterials intended for periodontal disease treatment
S4-P11	Claudia NINCIULEANU*, Raluca IANCHIS, Elvira ALEXANDRESCU, Bogdan TRICA, Silviu PREDA, Cristina SCOMOROSCENCO, Catalin MIHAESCU, Cristina NISTOR, Cristian PETCU, Mircea TEODORESCU	Composite hydrogels based on poly (methacrylic acid) reinforced with laponite inorganic filler

S4-P12	Cristina SCOMOROSCENCO *, Ludmila Otilia CINTEZA, Mircea TEODORESCU, Ioana Catalina GIFU, Raluca IANCHIS, Cristina Lavinia NISTOR, Cristian PETCU, Claudia Mihaela NINCIULEANU, Elvira ALEXANDRESCU, Catalin Ionut MIHAESCU	Preparation and characterization of vegetable oil-based microemulsions
S4-P13	Daniela ILIE*, Elena Daniela ANTON, Cristian MATEI, Anca OANCEA, Andreea IOSAGEANU, Laura Mihaela STEFAN, Oana CRACIUNESCU	Characterization of novel hybrid materials conditioned as sheets for skin repair
S4-P14	Valeria-Nicoleta VĂTAVU, Mihaela BADEA, Rodica OLAR, Adriana HUDIȚĂ, Bianca GĂLĂȚEANU, Marieta COSTACHE, Alexandra Cristina MUNTEANU, Valentina UIVAROSI*	Synthesis and characterization of a new Cr(III) complex with 5-hydroxyflavone as potential antidiabetic agent
S4-P15	Comin TRIF, Gheorghe STANCOV*, George Mihai NIȚULESCU, Octavian-Tudorel OLARU, Dragoș Paul MIHAI	Application of PASS algorithm for the discovery of new Trp1 antagonists

Section 4

STUDENTS SECTION

Short-Poster presentations

16⁰⁰-18³⁰, 31st October 2019, Room 2 (1st floor)

Chairpersons: Victor David, Valentin Raditoiu, Tanta Verona Iordache

The posters will be displayed on the ground floor, on November 1st, 9⁰⁰-13⁰⁰

S4-P16	Maria-Roxana CORNOIU*, Mirela MIHON, Dana NICULAE, Claudia Valentina POPA	Improved method for determination of chemical and radiochemical purity
S4-P17	Daniela NEGOESCU*, Irina ATKINSON, Dana CULITA, Viorica PARVULESCU	TiO ₂ -PAC photocatalysts for degradation of dyes and antibiotics from aqueous solution
S4-P18	Diana-Ioana EFTEMIE*, Andrei PATRASCU, Cătălin MAXIM, Delia-Laura POPESCU	1-D coordination polymers of Organotin (IV) nodes with alternating spacers
S4-P19	Andreia-Cristina SOARE*, Viorica MELTZER, Mihaela CHEREGI, Victor DAVID	The temperature effect on the retention of sildenafil under reversed-phase liquid chromatography
S4-P20	Emile S. MASSIMA MOUELE*, Mihaela DINU, Anca C. PARAU, Roland MISSENGUE, Alina VLADESCU, Leslie F. PETRIK, Mariana BRAIC	Evaluation of photo catalysis effect of stainless mesh coated with nitrates, oxynitrates and transition metals Cr and Ti on the degradation of Orange II dye
S4-P21	Sorina-Simona ARBANAS (MORARU)*, Antoaneta ENE, Steluta GOSAV	Mineralogical composition assessment of soils from Covurlui and Braila plains by ATR-FTIR technique
S4-P22	Adela-Maria SPINCIU, Cătălin MAXIM, Andrei Alunel PĂTRAȘCU, Delia-Laura POPESCU	Synthesis and characterization of new homo- and heteronuclear Schiff base complexes

S4-P23	Ana-Mădălina MĂCIUCĂ, Mihaela BADEA, Rodica OLAR, Alexandra Cristina MUNTEANU, Valentina UIVAROSI*	Synthesis and physico-chemical characterization of the Cu(II), Pd(II) and Ru(III) complexes with difloxacin
S4-P24	Tudorița-Georgiana TOFAN*, Mihaela-Carmen CHEREGI, Iulia-Gabriela DAVID, Victor DAVID	Spectrofluorimetric analyses of Ciprofloxacin and Norfloxacin
S4-P25	Cătălin MIHĂESCU*, Cristina Lavinia NISTOR, Cristian PETCU, Raluca IANCHIȘ, Claudia Mihaela NINCIULEANU, Elvira ALEXANDRESCU, Cristina SCOMOROSCENCO	Novel formulations of PEG-silica phase changing materials (PCMs) with applications in passive storage of thermal energy
S4-P26	Mihaela-Alexandra NICA*, Cristina-Elena DINU-PÎRVU, Mihaela Violeta GHICA, Valentina ANUȚA, Bruno Ștefan VELESCU, Lăcrămioara POPA	Quality profile evaluation of topical semi-solid systems with ibuprofen
S4-P27	Monica Nicoleta DONA, Cristina Doina NITU*, Roxana MAXIM, Maria Alexandra MERNEA, Radu Iulian MITRICA, Dan Florin MIHAILESCU, Cristina MATANIE, Gheorghe STOIAN	Alterations of the erythrocyte membrane during diabetic disease: a biochemical and biophysical study
S4-P28	Valentina Andreea ȚOPÎRLAN*, Radu-Cristian DASCALU, Delia-Laura POPESCU	New polynuclear systems with organotin compounds
S4-P29	Andreea-Laura PANAIT*, Iulia Gabriela DAVID, Dana Elena POPA, Mihaela BULEANDRĂ, Vasile DAVID, Mihaela Carmen CHEREGI	Voltammetric analysis of sulfamethoxazole on disposable graphite electrodes

ASSOCIATED EVENTS

W1	Energetic efficiency biogas plants improvement by integrated system: biogas-microalgae-biofuels in frame of biorefinery concept (AlgalBiogasConcept Energy)	October 30 th , room 2 (1 st floor), 14 ⁰⁰ -16 ⁰⁰
W2	Use of vegetal resources and nanotechnology for improving horticultural products – BIOHORTINOV (year 2)	October 30 th , room 3 (1 st floor), 14 ⁰⁰ -16 ⁰⁰
W3	Trends in hybrid nanocoatings	October 30 th , room 2 (1 st floor), 16 ⁰⁰ -18 ⁰⁰
W4	Protection and promotion of Romanian cultural heritage – RO-CHER (year 2)	October 30 th , room 3 (1 st floor), 16 ⁰⁰ -18 ⁰⁰
W5	Process intensification on circular bioeconomy – a practical approach	November 1 st , room 2 (1 st floor), 11 ⁰⁰ -12 ³⁰
W6	Romanian traditional buildings - conservation of a national legacy	November 1 st , room 3 (1 st floor), 11 ⁰⁰ -12 ³⁰