



“VASILE ALECSANDRI” UNIVERSITY OF BACĂU, ROMANIA  
FACULTY OF ENGINEERING

“GHEORGHE ASACHI” UNIVERSITY OF IAȘI, ROMANIA  
POLITEHNICA UNIVERSITY OF BUCHAREST, ROMANIA

ACADEMY OF AGRICULTURAL AND FORESTRY SCIENCES “GHEORGHE IONESCU – ȘIȘEȘTI”  
POLITECNICO UNIVERSITY OF TORINO, ITALY

“ANGEL KANCHEV” UNIVERSITY OF RUSE, BULGARIA  
WARSAW UNIVERSITY OF TECHNOLOGY, POLAND

ROMANIAN ASSOCIATION OF MANAGERS AND ECONOMIC ENGINEERS



SUSTAINABLE  
ENERGY WEEK  
An initiative of the European Commission



## THE INTERNATIONAL CONFERENCES

CELEBRATING TECHNICAL HIGHER EDUCATION  
into  
“VASILE ALECSANDRI” UNIVERSITY OF BACAU  
OPROTEH-2018  
CIEI-2018  
COFrRoCA- 2018  
National Students Contest  
“ENGINEERING - THE CAREER OF THE FUTURE”

## PROGRAM

BACĂU

JUNE 27-29, 2018



## SCIENTIFIC COMMITTEE

- I. Abrudan** - Technical University Cluj Napoca, Romania  
**M. Agop** - "Gheorghe Asachi" Technical University of Iași, Romania  
**A. Astolfi** - University Politecnico di Torino, Italy  
**I. Băisan** - "Gheorghe Asachi" Technical University of Iași, Romania  
**H. I. Beloev** - University of Rousse, Bulgaria  
**L. Bibire** - "Vasile Alecsandri" University of Bacău, Romania  
**Gh. Brabie** - "Vasile Alecsandri" University of Bacău, Romania  
**M. Cabibbo** - Università Politecnica Delle Marche, Ancona, Italy  
**T. Căsândroiu** - "Politehnica" University of Bucharest, Romania  
**P. Chevrier** - Ecole Nationale d'Ingénieurs de Metz, France  
**D. M. Constantinescu** - "Politehnica" University of Bucharest, Romania  
**I. Cristea** - "Vasile Alecsandri" University of Bacău, Romania  
**G. Culea** - "Vasile Alecsandri" University of Bacău, Romania  
**P. Dasić** - High Technological Technical School Krusevac, Serbia  
**V. Doicin** - "Politehnica" University of Bucharest, Romania  
**G. Drăghici** - "Politehnica" University of Timișoara, Romania  
**S. Ekinovic** - University of Zenica, Bosnia and Herzegovina  
**C. Fetecău** - "Dunarea de Jos" University of Galați, Romania  
**S. Fiore** - University Politecnico di Torino, Italy  
**A. Finaru** - "Vasile Alecsandri" University of Bacău, Romania  
**M. Frățilă** - "Lucian Blaga" University of Sibiu, Romania  
**M. Gavrilăscu** - "Gheorghe Asachi" Technical University of Iași, Romania  
**M. Gilli** - University Politecnico di Torino, Italy  
**V. Gîngu** - Academy of Agricultural and Forestry Sciences "Gheorghe Ionescu Șişești", Romania  
**R. Iatan** - "Politehnica" University of Bucharest, Romania  
**M. Izvercianu** - "Politehnica" University of Timișoara, Romania  
**V. V. Jinescu** - "Politehnica" University of Bucharest, Romania  
**V. K. Krapivin** - IRERAS, Russian Academy of Science, Russia  
**Z. Krivokapic** - University of Montenegro, Montenegro  
**J. M. L. de Luzuriaga Fernández** - University of Zaragoza, Spain  
**L. Marsavina** - "Politehnica" University of Timișoara, Romania  
**V. Mărăscu-Klein** - "Transilvania" University of Brașov, Romania  
**V. E. Miguel** - Universidad Castilla - La Mancha, Spain  
**D. N. Miron** - "Vasile Alecsandri" University of Bacău, Romania  
**G. Muscă** - "Gheorghe Asachi" Technical University of Iași, Romania  
**Gh. Nagiț** - "Gheorghe Asachi" Technical University of Iași, Romania  
**V. Năstăsescu** - Military Technical Academy of Bucharest, Romania  
**V. Neculăiasa** - "Gheorghe Asachi" Technical University of Iași, Romania  
**V. Nedeff** - "Vasile Alecsandri" University of Bacău, Romania  
**D. Nedelcu** - "Gheorghe Asachi" Technical University of Iași, Romania  
**M. C. Nicolescu** - Academy of Agricultural and Forestry Sciences "Gheorghe Ionescu Șişești", Romania  
**G. Nicoletto** - Università degli Studi di Parma, Italy  
**D. I. Nistor** - "Vasile Alecsandri" University of Bacău, Romania  
**C. Nitu** - "Politehnica" University of Bucharest, Romania  
**C. Oprișan** - "Gheorghe Asachi" Technical University of Iași, Romania  
**G. Paraschiv** - "Politehnica" University of Bucharest, Romania  
**I. Pirnă** - Academy of Agricultural and Forestry Sciences "Gheorghe Ionescu Șişești", Romania  
**G. Pluvinage** - Ecole Nationale d'Ingénieurs de Metz, France  
**O. Pruteanu** - "Gheorghe Asachi" Technical University of Iași, Romania  
**S. Radkowski** - Warsaw University of Technology, Poland  
**M. Radovanovic** - University of Nis, Serbia  
**Gh. N. Radu** - "Transilvania" University of Brașov, Romania  
**I. C. Roșca** - "Transilvania" University of Brașov, Romania  
**L. I. Roșca** - "Lucian Blaga" University of Sibiu, Romania  
**M. Romanca** - "Transilvania" University of Brașov, Romania  
**T. Rusu** - Technical University Cluj Napoca, Romania  
**I. Sârbu** - Economical Studies Academy of Moldova, Moldova  
**A. Sava** - Ecole Nationale d'Ingénieurs de Metz, France  
**C. Schnakovszky** - "Vasile Alecsandri" University of Bacău, Romania  
**R. Sethi** - University Politecnico di Torino, Italy  
**Gh. Sin** - Academy of Agricultural and Forestry Sciences "Gheorghe Ionescu Șişești", Romania  
**J. Stephant** - ENSIL Université de Limoges, France  
**V. Tabără** - Academy of Agricultural and Forestry Sciences "Gheorghe Ionescu Șişești", Romania  
**C. Teodosiu** - "Gheorghe Asachi" Technical University of Iași, Romania  
**M. Torchiano** - University Politecnico di Torino, Italy  
**D. Țucu** - "Politehnica" University of Timișoara, Romania  
**N. Ungureanu** - "North University" of Baia Mare, Romania  
**Gh. Voicu** - "Politehnica" University of Bucharest, Romania  
**V. Zichil** - "Vasile Alecsandri" University of Bacău, Romania



## **ORGANIZING COMMITTEE**

**Prof. Ph. D. Hab. Valentin ZICHIL – Chairman**

**Prof. Ph. D. Hab. Valentin NEDEFF, D.h.c.**  
**Prof. Ph. D. Hab. Carol SCHNAKOVSKY**  
**Prof. Ph. D. Hab. Adriana FÎNARU**  
**Assoc. Prof. Ph. D. Mirela PANAINTE-LEHĂDUȘ**  
**Prof. Ph. D. Hab. Denisa NISTOR**

**Prof. Ph. D. George CULEA**  
**Assoc. Prof. Ph. D. Emilian MOȘNEGUȚU**  
**Assoc. Prof. Ph. D. Bogdan CHIRIȚĂ**  
**Assoc. Prof. Ph. D. Cătălin DROB**  
**Lect. Ph. D. Andrei SIMION**

## **CONFERENCES EDITORIAL COMMITTEE**

**Prof. Ph. D. Adrian GHENADI**  
**Lecturer Ph. D. Sorin VERNICA**  
**Lecturer Ph. D. Dragoș ANDRIOAIA**  
**Assoc. Prof. Ph. D. Crina RADU**  
**Lecturer Ph. D. Oana PATRICIU**

**Lecturer Ph. D. Narcis BÂRSAN**  
**Lecturer Ph. D. Claudia TOMOZEI**  
**Lecturer Ph. D. Sorin POPA**  
**Lecturer Ph. D. Dana CHIȚIMUȘ**  
**Assistant Ph. D. Cristina GRIGORAȘ**



## CONFERENCES PROGRAM

WEDNESDAY 27 JUNE 2018		
08 <sup>00</sup> – 10 <sup>30</sup>	Welcome & Registration	<i>Central hall, first floor</i>
10 <sup>30</sup> – 13 <sup>30</sup>	Official opening of the conferences	<i>The Aula of the University</i>
13 <sup>30</sup> – 15 <sup>00</sup>	Lunch	<i>University Restaurant</i>
15 <sup>00</sup> – 15 <sup>30</sup>	Opening of the XIII International Conferences OPROTEH 2018, CIEI 2018	<i>The Aula of the University</i>
15 <sup>30</sup> – 16 <sup>30</sup>	Plenary session	<i>The Aula of the University</i>
15 <sup>30</sup> – 16 <sup>30</sup>	Round table of the Management Committee of the Romanian Association of Fracture Mechanics	<i>Senate Hall</i>
15 <sup>00</sup> – 16 <sup>30</sup>	COFrRoCA 2018 – Chemistry, youth and society (Section 3 – lectures and poster sessions – pre-university education)	<i>BI 29 Amphitheater</i>
16 <sup>30</sup> – 17 <sup>00</sup>	Coffee break	<i>Central hall, first floor</i>
17 <sup>00</sup> – 19 <sup>30</sup>	COFrRoCA 2018 – Chemistry, youth and society (Section 3 – lectures and poster sessions – pre-university education)	<i>BI 29 Amphitheater</i>
17 <sup>00</sup> – 19 <sup>00</sup>	CIEI 2018 - Conferences by sections	<i>BI 42 Amphitheater</i>
20 <sup>00</sup>	Gala dinner	<i>GREEN PARK Restaurant</i>

THURSDAY 28 JUNE 2018		
08 <sup>00</sup> – 09 <sup>00</sup>	Registration for students	<i>Central hall of B building, ground floor</i>
09 <sup>00</sup> – 10 <sup>00</sup>	Opening of the National Students Contest	<i>BI 1 Amphitheater</i>
10 <sup>00</sup> – 11 <sup>30</sup>	Section lectures and Poster session	<i>See schedule</i>
11 <sup>30</sup> – 12 <sup>00</sup>	Coffee break - Exhibition	<i>Central hall, first floor</i>
12 <sup>00</sup> – 13 <sup>30</sup>	Section lectures and Poster session	<i>See schedule</i>
13 <sup>30</sup> – 15 <sup>00</sup>	Lunch	<i>University Restaurant</i>
16 <sup>00</sup> – 19 <sup>00</sup>	Workshop “ Smart City – a solution for sustainable urban development ”	<i>Senat Hall</i>
<b>For International Conference COFrRoCA 2018</b>		
09 <sup>00</sup> – 09 <sup>30</sup>	Welcome & Registration for COFrRoCA 2018	<i>BI 29 Amphitheater</i>
09 <sup>30</sup> – 10 <sup>15</sup>	Plenary conference	<i>BI 29 Amphitheater</i>
10 <sup>15</sup> – 10 <sup>30</sup>	Coffee break – Posters exhibition	<i>Central hall of B building, first floor</i>
10 <sup>30</sup> – 12 <sup>00</sup>	Conferences by sections	<i>1<sup>st</sup> section – BI 29 Amphitheater 2<sup>nd</sup> section – BI 28 Amphitheater</i>
12 <sup>00</sup> – 13 <sup>30</sup>	Lunch	<i>University Restaurant</i>

THE INTERNATIONAL CONFERENCES CELEBRATING TECHNICAL HIGHER EDUCATION INTO  
**"VASILE ALECSANDRI" UNIVERSITY OF BACAU**



13 <sup>30</sup> – 14 <sup>00</sup>	Posters session	Central hall of B building, first floor
14 <sup>00</sup> – 14 <sup>45</sup>	Plenary conference	BI 29 Amphitheater
14 <sup>50</sup> – 15 <sup>20</sup>	Conferences by sections	1 <sup>st</sup> section – BI 29 Amphitheater 2 <sup>nd</sup> section – BI 28 Amphitheater
15 <sup>20</sup> – 15 <sup>45</sup>	Coffee break – Posters session	Central hall of B building, first floor
15 <sup>45</sup> – 16 <sup>45</sup>	Conferences and oral communications	1 <sup>st</sup> section – BI 29 Amphitheater 2 <sup>nd</sup> section – BI 28 Amphitheater
16 <sup>45</sup> – 17 <sup>00</sup>	Coffee break – Posters session	Central hall of B building, first floor
17 <sup>00</sup> – 18 <sup>20</sup>	Conferences and oral communications	1 <sup>st</sup> section – BI 29 Amphitheater 2 <sup>nd</sup> section – BI 28 Amphitheater
20 <sup>00</sup>	Celebratory dinner	GREEN PARK Restaurant

**FRIDAY 29 JUNE 2018**

10 <sup>00</sup> – 11 <sup>00</sup>	Visit to laboratories	
11 <sup>00</sup> – 13 <sup>30</sup>	Discussion on the future of scientific research	BI 1 Amphitheater
14 <sup>00</sup>	Departure of participants	
<b>For International Conference COFrRoCA 2018</b>		
09 <sup>00</sup> – 10 <sup>30</sup>	Conferences and oral communications	1 <sup>st</sup> section – BI 29 Amphitheater 2 <sup>nd</sup> section – BI 28 Amphitheater
10 <sup>30</sup> – 11 <sup>00</sup>	Coffee break – Posters session	Central hall of B building, first floor
11 <sup>00</sup> – 12 <sup>15</sup>	Conferences and oral communications	1 <sup>st</sup> section – BI 29 Amphitheater 2 <sup>nd</sup> section – BI 28 Amphitheater
12 <sup>15</sup> – 12 <sup>30</sup>	Jury deliberation	BI 42 Amphitheater
12 <sup>30</sup> – 12 <sup>45</sup>	Closing ceremony / awarding prizes	BI 29 Amphitheater
12 <sup>45</sup> – 14 <sup>00</sup>	Lunch / Free program	



*Welcome to the 13<sup>th</sup> International Conference of Constructive Design and  
Technological Optimization in Machine Building*

## **OPROTEH 2018**



### **PLENARY CONFERENCE**

**CHAIRPERSONS:**    **PROF. TZVETELIN GUEORGUIEV**  
                          **PROF. CRISTIAN NICHITA**  
                          **PROF. VALENTIN NEDEFF**  
                          **PROF. ILEANA DENISA NISTOR**

- 1. VITICULTURE DURABLE: LUTTE BIOLOGIQUE CONTRE LES MALADIES CRYPTOLOGIQUES DE LA VIGNE EN BOURGOGNE, FRANCE** - ASHAPURNA KHATUA, PRABHA THIAGARAJAN, BERNARD PAUL
- 2. ANALYSIS OF USING DIGITAL LEARNING MATERIALS IN ENGINEERING LABORATORY COURSES** - TSVETELINA GEORGIEVA, TZVETELIN GUEORGUIEV, SEHER KADIROVA, BORIS EVSTATIEV, NIKOLAY MIHAILOV
- 3. POWER MANAGEMENT STRATEGIES BASED ON ENERGY STORAGE TECHNOLOGIES - REVIEW FOR FUTURE IMPLEMENTATIONS IN REAL - TIME EMULATORS** - MOHMED ASHGLAF, CRISTIAN NICHITA
- 4. ON FUNCTIONALLY GRADED BEAM CONCEPT** - VASILE NĂSTĂSESCU, SILVIA MARZAVAN



## **1. 13<sup>TH</sup> INTERNATIONAL CONFERENCE OF CONSTRUCTIVE DESIGN AND TECHNOLOGICAL OPTIMIZATION IN MACHINE BUILDING.**

### **1.A. OPTIMIZATION OF MANUFACTURING PROCESSES AND SYSTEMS & COMPUTER AIDED DESIGN AND MANUFACTURING**

#### ***THE AULA OF THE UNIVERSITY***

**WEDNESDAY 27 JUNE 2018 15<sup>00</sup> – 19<sup>00</sup> and**

***BI 21 HALL***

**THURSDAY 28 JUNE 2018 9<sup>00</sup> - 11<sup>00</sup>**

**CHAIRPERSONS: PROF. VASILE NĂSTĂSESCU  
PROF. GHEORGHE BRABIE  
PROF. ION CRISTEA**

**1. A PROJECT MANAGEMENT GEOINFORMATICS UTILITY FOR HEALTH PROTECTION AND SANITARY DRAWINGS IN GREEN CONSTRUCTIONS - INFRASTRUCTURE WORKS - TILEMACHOS KOLIOPOULOS, SOKRATIS THEOCHARATOS, PANAGIOTIS KOULOUMPIS, CRINA RADU, ION CRISTEA**

**2. AN EFFECTIVE PROJECT MANAGEMENT GEOINFORMATICS UTILITY FOR GREENHOUSE CONSTRUCTIONS – AGRICULTURAL INFRASTRUCTURE WORKS, AGRICULTURAL FOOD AND PUBLIC HEALTH PROTECTION FROM ASSOCIATED TOXIC HAZARDOUS EMISSIONS AND RISKS - TILEMACHOS KOLIOPOULOS, KRYSZYNA CIARKOWSKA, JACEK ANTONKIEWICZ, SOKRATIS THEOCHARATOS, OSOFERO ADELAJA ISRAEL, CRINA RADU, ION CRISTEA, PANAGIOTIS KOULOUMPIS**

**3. SIMULATION AND MODELLING OF THE HEAT DENSITY AT THE INTERFACE PIECE TOOL DURING TURNING OPERATIONS - ABDELKRIM MOURAD, BELLOUFI ABDERRAHIM, REZGUI IMANE, GHEORGHE BRABIE**

**4. INFLUENCE OF THE CUTTING PARAMETERS ON AVIATION STRUCTURAL PARTS - BANU EDUARD, CRISTEA ION, CHIRITA BOGDAN, ZICHIL VALENTIN, TAMPU CATALIN, SCHNAKOVSKY CAROL**

**5. EXPERIMENTAL ANALYSIS ON THE EFFECTS OF CUTTING PARAMETER ON MICROHARDNESS IN MILLING PROCESS - SCRUBA ANDREI, CRISTEA ION, CHIRITA BOGDAN, TAMPU CATALIN, HERGHELEGIU EUGEN, RADU MARIA CRINA**

**6. INFLUENCE OF THE WORKING REGIME ON THE MICROSTRUCTURE OF SPIFED MATERIALS - RADU CRINA, HERGHELEGIU EUGEN, TAMPU CATALIN, CHIRITA BOGDAN**

**7. VIRTUAL REALITY APPLIED IN STROKE REHABILITATION - RAVEICA IONEL, RAVEICA GABRIELA**

**8. A STUDY ABOUT BRAZING OF THE ALUMINUM THIN SHEETS USED IN TYPICAL INDUSTRIAL PARTS - OLARU IONEL**

**9. A STUDY ABOUT FLUID FLOW PARAMETERS FROM INSIDE OF THE METAL CUTTING COOLING SYSTEMS - OLARU IONEL**





## **1.B. OPTIMIZATION OF TECHNOLOGIES AND EQUIPMENT FROM PROCESS INDUSTRIES**

### ***THE AULA OF THE UNIVERSITY***

**WEDNESDAY 27 JUNE 2018 15<sup>00</sup> – 19<sup>00</sup> and**

***BI 21 HALL***

**THURSDAY 28 JUNE 2018 9<sup>00</sup> - 11<sup>00</sup>**

**CHAIRPERSONS: PROF. STEFAN LUCIAN TOMA  
PROF. LUMINIȚA BIBIRE  
PROF. EMILIAN MOȘNEGUȚU**

1. **EVALUATION OF THE HEATING SYSTEM FROM AN INJECTION MOLDING MACHINE – LUMINITA BIBIRE, NARCIS BARSAN, PAULA-GRETA VRINCEANU**
2. **A COMPARATIVE STUDY ON THE USE OF TRANSDUCERS FOR PRESSURE STRUCTURES MONITORING PROCESSES - PAULA-GRETA VRINCEANU, NARCIS BARSAN, LUMINITA BIBIRE**
3. **CALCULATION METHOD FOR VERTICAL CANTILEVER SHAFTS, SUPPORTED ON TWO SUPPORTS AND CONSIDERING THE SEALING DEVICE - LUMINIȚA BIBIRE, NARCIS BARSAN, GABRIEL PUIU, PEDRO MUNOZ**
4. **THE USE OF CALCULATION AND DESIGN MODERN TECHNIQUES FOR SOLVING OF PRACTICAL TECHNICAL PROBLEMS AT TOWERS - LUMINIȚA BIBIRE, GABRIEL PUIU, PAULA-GRETA VRINCEANU, DĂNUȚA-MARCELA GĂLĂȚANU, MANUEL CELSO JUÁREZ CASTELLÓ**
5. **ANALYSIS OF USING DIGITAL LEARNING MATERIALS IN ENGINEERING LABORATORY COURSES - TSVETELINA GEORGIEVA, TZVETELIN GUEORGUIEV, SEHER KADIROVA, BORIS EVSTATIEV, NIKOLAY MIHAILOV**
6. **BEHAVIOR ANALYSIS OF A SOLID PARTICLE IN A VERTICAL AIR CURRENT - MOȘNEGUȚU EMILIAN, NEDEFF VALENTIN, MIRELA PANAINTE, BARSAN NARCIS, CHIȚIMUȘ DANA, RUSU DRAGOȘ-IOAN**
7. **SOME OPINIONS REGARDING TO THE CALCULATION OF WELDED PLATE FLANGE - RADU I. IATAN, GEORGETA ROMAN (URSE), GHEORGHITA TOMESCU**
8. **ANALYSIS WITH FINITE ELEMENT OF A STRUCTURAL MODEL OF PRESSURE VESSEL WITH SANDWICH CELL COVER - DURBACĂ ADRIAN COSTIN, IATAN RADU, DURBACĂ ION, DINIȚĂ ALIN**
9. **INFLUENCE OF PHYSICAL PROPERTIES OF TIO<sub>2</sub> FILM ON ANTIBACTERIAL ACTIVITY (ESCHERICHIA COLI) - BOGDAN FLORIN TOMA, GABRIELA TOMA, RALUCA ELENA BACIU, BOGDAN MIHNEA CIUNTU, STEFAN LUCIAN TOMA**
10. **CONSIDERATIONS ON MODERN METHODS FOR IDENTIFYING RISK FACTORS IN THE TEACHING AND LEARNING PROCESS OF TECHNICAL DISCIPLINES - GABRIELA TOMA, IULIANA TUGUI, MONA APETREI, RALUCA GIOSANU**
11. **TECHNOLOGICAL EDUCATION AND CREATIVITY - THE INITIAL POINT FOR FUTURE ENGINEERS - LUMINIȚA BOCA, ADRIANA VRABIE, LILIANA PUIU**
12. **ACTIVE-CREATIVE METHODS APPLIED AT HOURS CLASS OF TECHNOLOGICAL EDUCATION - ADRIANA VRABIE, LUMINIȚA BOCA, LILIANA PUIU**





13. **STUDY ON THE POSSIBILITIES FOR DIDACTIC APPROACHES OF MODERN SCIENTIFIC CONCEPTS, WITHIN THE CLASS HOURS OF TECHNICAL DISCIPLINES** - LILIANA PUIU, LUMINIȚA BOCA, ADRIANA VRABIE

14. **EXPERIMENTAL RESEARCHES CONCERNING THE STATUS OF TENSIONS AND DEFORMATION IN DRILLING TOOLS – ELEVATORS** - RODICA BUCUROIU, MARIUS GABRIEL PETRESCU

## **1.C. OPTIMIZATION IN ENVIRONMENTAL ENGINEERING AND ENVIRONMENTAL PROTECTION**

### ***THE AULA OF THE UNIVERSITY***

**WEDNESDAY 27 JUNE 2018 15<sup>00</sup> – 19<sup>00</sup> and**

***BI 21 HALL***

**THURSDAY 28 JUNE 2018 9<sup>00</sup> - 11<sup>00</sup>**

**CHAIRPERSONS:** PROF. NIKOLAY MIHAILOV  
PROF. TZVETELIN GUEORGUIEV  
PROF. MIRELA PANAINTE-LEHADUȘ  
PROF. CLAUDIA TOMOZEI  
PROF. NARCIS BÂRSAN

1. **USE OF EEM SPECTROSCOPY TO ASSESS HUMIC ACIDS REJECTION WITH A CERAMIC NANOFILTRATION MEMBRANE** - DASCALU MIHAELA-ELENA, MOSNEGUTU EMILIAN, NEDEFF VALENTIN, LOPEZ-RAMIREZ JUAN ANTONIO

2. **PERFORMANCE OF WIRELESS MEASUREMENT SYSTEM FOR SOIL PROPERTIES MONITORING** - TSVETELINA GEORGIEVA, NADEZHDA PASKOVA, GERGANI KUNCHEVA, PLAMEN DASKALOV

3. **GUIDELINES FOR RIVER BASIN SCHEME PLANNING AND MONITORING.CASE STUDY SIRET HYDROGRAPHIC BASIN** - DĂSCĂLIȚA DAN, NARCIS BARSAN, VALENTIN NEDEFF, MIRELA PANAINTE-LEHADUS, DANA CHITIMUS, EMILIAN MOSNEGUTU

4. **A COMPARATIVE STUDY OF MORFOMETRIC PARAMETERS SPECIFIC TO HYDROGRAPHIC BASINS. CASE STUDY SIRET HYDROGRAPHIC BASIN** - DĂSCĂLIȚA DAN, NARCIS BARSAN, VALENTIN NEDEFF, MIRELA PANAINTE-LEHADUS, DANA CHITIMUS, EMILIAN MOSNEGUTU

5. **WATER QUALITY ASSESSMENT FROM A MINING AREA. CASE STUDY, „GROAPA BURLACU”, TG. OCNA, ROMANIA** - ALINA COCHIORCA, VALENTIN NEDEFF, NARCIS BÂRSAN, EMILIAN FLORIN MOȘNEGUȚU, MIRELA PANAINTE-LEHĂDUȘ, CLAUDIA TOMOZEI, DANA CHITIMUS

6. **A COMPARATIVE STUDY BETWEEN WATER-GAP AND AIR-GAP DISTILLATION MEMBRANES FOR REMOVAL OF SALTS FROM SALINE WATER BY DESALINATION METHOD** - LAURENTIU TATARU, VALENTIN NEDEFF, NARCIS BARSAN, MIRELA PANAINTE-LEHADUS, EMILIAN MOSNEGUTU, FLORINA FABIAN, DANA CHITIMUS

7. **COMPARATIVE STUDY ON WATER QUALITY OF BISTRITA RIVER (ROMANIA) AND DRAVA RIVER (SLOVENIA AND CROATIA)** - CLAUDIA TOMOZEI, OANA IRIMIA, MIRELA PANAINTE-LEHADUS, FLORIN NEDEFF



8. **THE EFFICIENCY OF BACAU WATER TREATMENT PLANT** - FLORINA FABIAN, VALENTIN NEDEFF, NARCIS BÂRSAN, LAURENȚIU TĂTARU, DANA CHITIMUS, EMILIAN MOSNEGUTU
9. **STUDY ON CONSUMER ATTITUDES TOWARDS THE PURCHASE OF ECO-LABELED PRODUCTS** - MIRELA PANAINTE – LEHĂDUȘ, VALENTIN NEDEFF, EMILIAN MOȘNEGUȚU, CLAUDIA TOMOZEI, IRIMIA OANA, ANTONINA TEMEA
10. **CONTRIBUTIONS TO NOISE PREDICTION METHODS OF BUS FLEET IN URBAN AREAS** - ALINA PETROVICI, VALENTIN NEDEFF, JOSE LUIS CUETO, ENRIQUE NAVA BARO
11. **ROLE OF THE ECO-LABEL ON THE ROMANIAN MARKET AND THE PERCEPTION OF THE PRODUCERS ABOUT ENVIRONMENTAL LABEL** - ANTONINA TEMEA, VALENTIN NEDEFF, MIRELA PANAINTE-LEHĂDUȘ
12. **MICROPLASTICS POLLUTION IN AQUATIC SYSTEMS AND METHODS FOR DETECTION: A REVIEW OF RECENT STUDIES AT EUROPEAN LEVEL** - IRIMIA OANA, VALENTIN NEDEFF, PANAINTE LEHĂDUȘ MIRELA, TOMOZEI CLAUDIA
13. **MATHEMATICAL INTERPRETATION OF THE SLUDGE VOLUME INDEX VARIATION IN A SMALL SBR PLANT** - NARCIS BARSAN, VALENTIN NEDEFF, DANA CHITIMUS, EMILIAN MOSNEGUTU
14. **MATHEMATICAL MODEL FOR THE ABSORPTION CAPACITY OF HEAVY METALS FROM THE SOIL IN THE CASE OF TYPHA LATIFOLIA PLANT SPECIES** - ALEXANDRA - DANA CHIȚIMUȘ, VALENTIN NEDEFF, CRISTIAN RADU, EMILIAN MOȘNEGUȚU, NARCIS BÂRSAN
15. **MATHEMATICAL EVALUATION OF THE AIR BENZENE POLLUTANT CONCENTRATION VARIATION AND CLIMATIC FACTORS** - DOINA CAPSA, NARCIS BARSAN, VALENTIN NEDEFF, DANA CHITIMUS, EMILIAN MOSNEGUTU
16. **OPTICAL PROPERTIES AND ELECTRONIC TRANSPORT OF POLYCRYSTALLINE ZNO THIN FILMS** – DRAGO,Ș-IOAN RUSU
17. **ENVIRONMENTAL IMPACT ASSESSMENT OF FODDER YEAST PRODUCTION PROCESS FROM BARLEY HUSKS** - PAULA E. SIMION, CRISTINA-GABRIELA GRIGORAȘ, LIDIA FAVIER, ANDREI IONUȚ SIMION, CĂTĂLIN DROB

## **1.D. MECHATRONICS & ROBOTICS**

### ***THE AULA OF THE UNIVERSITY***

**WEDNESDAY 27 JUNE 2018 15<sup>00</sup> – 19<sup>00</sup> and**

***BI 21 HALL***

**THURSDAY 28 JUNE 2018 9<sup>00</sup> - 11<sup>00</sup>**

**CHAIRPERSONS:      PROF. LILIANA TOPLICEANU  
                                 PROF. GHEORGHE STAN  
                                 PROF. ADRIAN GHENADE**

1. **FIELD TESTS OF VISION SYSTEM FOR PLANT /WEED CLASSIFICATION** - MARCIN JASIŃSKI, JĘDRZEJ MĄCZAK, STANISŁAW RADKOWSKI, PRZEMYSŁAW SZULI
2. **BACKLASH REDUCTION SYSTEM OF CYLINDRICAL GEARS USED BY KINEMATIC AXES OF NUMERICALLY CONTROLLED MACHINES** - STAN GHEORGHE
3. **PLANETARY GEAR USED FOR HIGH SPEED JOINTS** - STAN GHEORGHE



4. METHOD ON COMPUTER ASSISTED RESEARCHES OF DYNAMIC BEHAVIOUR OF A THREE DEGREES FREEDOM MANIPULATOR - ADRIAN GHENADI, LILIANA TOPLICEANU, GABRIEL PUIU
5. WORKSPACE MODELING AND COMPARATIVE ANALYSIS OF PHYSICAL MODELS FOR MANIPULATORS ON TWO DEGREES OF FREEDOM RANGE - ADRIAN GHENADI, GABRIEL PUIU
6. USING AN INTEGRATED CAM SYSTEM TO MINIMIZE THE OPERATING TIME OF AN AUTOMATIC TOOL CHANGER MECHANISM - ADRIAN GHENADI, RADU CĂLIMAN
7. OPTIMIZING DESIGN OF AN ARTICULATED STRUCTURE USING THE NATURAL COORDINATES METHOD - GABRIEL PUIU, ADRIAN GHENADI
8. RESEARCHES CONCERNING THE INFLUENCE OF STRAIGHTNESS DEVIATIONS OF THE GUIDELINES USED BY LINEAR AXISES OF INDUSTRIAL ROBOTICS - LUNCANU ANDREI, STAN GHEORGHE
9. ELASTIC DEFORMATION COMPENSATION DEVICE FOR CNC BORING AND MILLING MACHINES - NECHIFOR GEORGE CATALIN, STAN GHEORGHE
10. ANALYSE OF ACOUSTIC WAVES PROPAGATION ALONG A PIPELINE - LILIANA TOPLICEANU, CARMEN-VIOLETA MURARU, FURDU IULIAN, PUIU PETRU GABRIEL
11. INCREASING ENERGY EFFICIENCY BY USING ACCUMULATORS IN HYDRAULIC SYSTEMS WITH SECONDARY CONTROL - TOPLICEANU LILIANA, GHENADI ADRIAN
12. THEORETICAL RESEARCHES ON THE DURABILITY OF COMPOSITE MATERIALS WITH METALLIC AND NON-METALLIC MATRICES - CĂLIMAN RADU

## **1.E. ECONOMIC ENGINEERING**

### ***THE AULA OF THE UNIVERSITY***

**WEDNESDAY 27 JUNE 2018 15<sup>00</sup> – 19<sup>00</sup> and**

***BI 21 HALL***

**THURSDAY 28 JUNE 2018 9<sup>00</sup> - 11<sup>00</sup>**

**CHAIRPERSONS:      PROF. CATALIN DROB  
                                 PROF. RADU CALIMAN  
                                 PROF. DRAGOS RUSU**

1. EMERGENCY TECHNIQUES IN ELECTRICAL MACHINES DIAGNOSIS - CURLICOVSCHI ALISA, ZICHIL VALENTIN
2. VIBRATIONS STUDY IN MACHINE TOOLS USING AUTOMATIC MONITORING SYSTEMS - CURLICOVSCHI ALISA, ZICHIL VALENTIN
3. INFLUENCE OF THE ELASTICITY OF THE FIXING BRACKETS ON THE DURABILITY OF THE MAIN PIPELINES - GHEORGHE PINTILIE, VALENTIN ZICHIL
4. ON CULTURAL INTERSECTIONS IN MANAGEMENT - PUIU CĂTĂLINA, CEOCEA RALUCA
5. UNIFACTORIAL AND MULTIFACTORIAL MODELS OF THE BUSINESS FIXED INVESTMENT - CATALIN DROB
6. RECENT TRENDS OF THE FOREIGN DIRECT INVESTMENT IN ROMANIA - CATALIN DROB, VALENTIN ZICHIL



*Welcome to the 11<sup>th</sup> edition of International Conference of Power  
Engineering*

**CIEI 2018**



## **2. INTERNATIONAL CONFERENCE OF POWER ENGINEERING**

***BI 30 HALL***

***THE AULA OF THE UNIVERSITY***

**WEDNESDAY 27 JUNE 2018 15<sup>00</sup> – 19<sup>00</sup> and**

***BI 22 HALL***

**THURSDAY 28 JUNE 2018 9<sup>00</sup> - 11<sup>00</sup>**

**CHAIRPERSONS:**  
PROF. CRISTIAN NICHITA  
PROF. VLADIMIR BERZAN  
PROF. NICORICI VALENTINA  
PROF. GEORGE CULEA  
PROF. HAZI GHEORGHE  
PROF. PETRU LIVINȚI

1. **CONSIDERATIONS ON THE DETERMINATION OF ENERGY LOSSES IN ENVIRONMENTAL NETWORKS** - HAZI GHEORGHE, HAZI ANETA, VERNICA SORIN-GABRIEL

2. **IMPROVING THE OPERATING DIAGRAM OF A SUBSTATION** - HAZI ANETA, HAZI GHEORGHE, VERNICA SORIN-GABRIEL

3. **CONTROL AND MONITORING OF AUTONOMOUS INTEGRATED IRRIGATION SYSTEM** - NICOLAE SECRIERU, SERGIU CANDRAMAN, ILCO VALENTIN, ADRIAN GIRSCAN, ANDREI MARGARINT, NICOLAE LEVINETȚ

4. **CFD SIMULATION OF THE MATHEMATICAL MODELS OF THE INTERACTION BETWEEN THE BLADES AND FLUID** - BOSTAN VIOREL, BOSTAN ION, GUȚU MARIN, RABEI ION, DULGHERU VALERIU



5. **CONTROL AND MONITORING OF INTEGRATED RENEWABLE SOURCES ENERGY STORAGE IN SMART GRID** - SERGIU ZAPOROJAN, ION STRATAN, VASILE MORARU, GROPA VICTOR, ILCO VALENTIN, IGOR CALMICOV, ANDREI DOROGAN, ILIE MANOLI
6. **PROPRIÉTÉS ÉLECTRIQUES DES HÉTÉROSTRUCTURES À BASE DE CDTE -ZNTE** - NICORICI VALENTINA, CHETRUS PETRU
7. **MUTUAL INFLUENCES OF THE MODERN INFORMATION TECHNOLOGIES AND ENERGETIC INDUSTRY** - FLORENTIN PALADI, VLADIMIR PRIMAC
8. **SYSTÈME COGNITIF MULTI-AGENT POUR RECHERCHER DES SOLUTIONS OPTIMALES** - ABABII VICTOR, SUDACEVSCHI VIORICA, MUNTEAN SILVIA, LAZU VICTORIA
9. **SEMICONDUCTEURS OXYDÉS - COMME MATÉRIAUX POUR LES DÉTECTEURS PHOTOVOLTAIQUES DE DIAGNOSTIC D'OZONE DANS L'ENVIRONNEMENT** - DMITROGLO LILIANA, UNTILA DUMITRU, SPRINCEAN VEACESLAV, VATAVU ELMIRA, EVTODIEV SILVIA
10. **AN INTEGRATED CLOUD AND IOT BASED ARCHITECTURE FOR INTELLIGENT BUILDINGS AIMING AT ENERGY EFFICIENCY SOLUTIONS** - VERCRUYSEN NICK, TOMOZEI COSMIN
11. **PROPOSALS TO IMPROVE THE OPERATING REGIMES OF A GAS TURBINE PLANT** - VERNICA SORIN-GABRIEL, HAZI ANETA, HAZI GHEORGHE, GRIGORE ROXANA
12. **ASPECTS RELATED TO THE UTILIZATION OF GEOTHERMAL ENERGY FOR THE PRODUCTION OF ELECTRICITY IN ROMANIA** - GRIGORE ROXANA, VERNICA SORIN-GABRIEL, PUIU- BERIZUNȚU MIHAI, IFTIME SILVIU
13. **THE COMMAND WITH THE ARDUINO UNO DEVELOPMENT BOARD OF THE DC MOTOR USED TO DRIVE A CONVEYOR BELT** - LIVINTI PETRU
14. **ICT SUPPORT FOR THE INTERMODAL TRANSPORT IN ROMANIA** - NECHITA ELENA
15. **IMPORTANCE AND EFFECTS OF ADAPTED ERGONOMIC INTERVENTION ON WORK-RELATED MUSCULOSKELETAL DISORDERS AND HEALTH-RELATED QUALITY OF LIFE AMONG AGED COMPUTER WORKERS** - CULEA CĂTĂLINA MIHAELA
16. **TRENDS IN THE FIELD OF SMART PARKING BASED ON IOT** - CULEA GEORGE, POPESCU CORNEL, POPA SORIN EUGEN
17. **VIDEO SURVEILLANCE SYSTEMS FOR INDUSTRIAL INSTALLATIONS** - POPA SORIN EUGEN, PRUTEANU EUSEBIU, CULEA GEORGE
18. **PWM HEAT FREQUENCY INDUCTION HEATING** - GABRIEL PUIU, IULIAN FURDU, DRAGOS ANDRIOAIA
19. **NEW TRENDS AND OPPORTUNITIES IN TENSION CONTROL SYSTEMS** - SIMONA VÂRLAN, LAVINIA BOCA
20. **INTELLIGENT LOW-POWER SMART HOME ARCHITECTURE** - POPESCU CORNEL, CULEA GEORGE



*Bienvenue à la 10ème édition du Colloque Franco-Roumain de Chimie  
Appliquée*

## **COFrRoCA 2018**



### **3. COLLOQUE FRANCO-ROUMAIN DE CHIMIE APPLIQUEE**

#### ***BI 29 AMPHITHEATER***

**THURSDAY 28 JUNE 2018 09<sup>30</sup> – 10<sup>15</sup>**

#### ***PLENARY CONFERENCE***

**CHAIRPERSONS:      PROF. RALUCA LIANE GLORIA STAN  
                                 PROF. FRANCK SUZENET**

**3.PC1. COMPLEXES DE RHENIUM : DESIGN, SYNTHÈSE, CHIMIE DE COORDINATION ET  
APPLICATIONS BIOLOGIQUES – Eric BENOIST, PAUL SABATIER UNIVERSITY – TOULOUSE III**

#### ***BI 29 AMPHITHEATER***

**THURSDAY 28 JUNE 2018 10<sup>30</sup> – 12<sup>00</sup>**

#### ***CONFERENCES – SECTION 1***

**CHAIRPERSONS:      PROF. RODICA STURZA  
                                 PROF. PATRICK ROLLIN  
                                 DR. IRINA ZARAFU**



**3.CS1.1. VALORISATION DES LACTONES SESQUITERPENIQUES ISSUES DE PLANTES ENDEMIQUES DU MAROC PAR L'ISOLEMENT ET TRANSFORMATION HEMISYNTHETIQUE : CAS DE THAPSIA TRANSTAGANA (BROT.) ET ANVILLEA RADIATA (COSS. & DURIEU) – Mohamed AKSSIRA, HASSAN II UNIVERSITY OF CASABLANCA**

**3.CS1.2. OXYDATION DES POLYSACCHARIDES MEDIEE PAR LE TEMPO : UNE HISTOIRE QUI CONTINUE – Guillaume PIERRE, Cédric DELATTRE, Pascal DUBESSAY, Philippe MICHAUD, UNIVERSITY CLERMONT AUVERGNE**

**3.CS1.3. CONCEPTION D'INHIBITEURS MIXTES PI3k/mTOR : DE LA CHIMIE A LA MATURATION PAR LA SATT-GRAND CENTRE – Frédéric BURON<sup>1</sup>, Nuno RODRIGUES<sup>1</sup>, Stéphane BOURG<sup>1</sup>, Pascal BONNET<sup>1</sup>, Sandrine RUCHAUD<sup>2</sup>, M.L. JOURDAN<sup>3</sup>, Séverine MARIONNEAU-LAMBOT<sup>4</sup>, Hélène BENEDETTI<sup>5</sup>, Sylvain ROUTIER<sup>1</sup>, <sup>1</sup>INSTITUTE OF ORGANIC AND ANALYTICAL CHEMISTRY – ICOA, UNIVERSITY OF ORLEANS, <sup>2</sup>CNRS-PIERRE AND MARIE CURIE UNIVERSITY, <sup>3</sup>CHU TOURS, <sup>4</sup>IN VIVO PLATFORM, CANCÉROPOLE GRAND OUEST, <sup>5</sup>CENTER FOR MOLECULAR BIOPHYSICS, CNRS ORLEANS**

## **BI 28 AMPHITHEATER**

**THURSDAY 28 JUNE 2018 10<sup>30</sup> – 12<sup>00</sup>**

### **CONFERENCES – SECTION 2**

**CHAIRPERSONS: PROF. GHOLAMREZA DJELVEH  
PROF. MICHAELA DINA STĂNESCU  
DR. HÉLÈNE DE BAYNAST  
PROF. ILIE SIMINICEANU**

**3.CS2.1. MODÉLISATION STOCHASTIQUE EN GÉNIE CHIMIQUE : MODÈLES ANALYTIQUES – Tănase DOBRE, POLITEHNICA UNIVERSITY OF BUCHAREST, ACADEMY OF TECHNICAL SCIENCES OF ROMANIA**

**3.CS2.2. IDENTIFICATION ET EXPLOITATION DE POLYSACCHARIDES DE MICROALGUES – Clément GAINARD<sup>1</sup>, Céline LAROCHE<sup>1</sup>, Guillaume PIERRE<sup>1</sup>, Cédric DELATTRE<sup>1</sup>, Pascal DUBESSAY<sup>1</sup>, Ian PROBERT<sup>2</sup>, Olivier GONCALVES<sup>3</sup>, Didier LE CERF<sup>4</sup>, Thierry MAUGARD<sup>5</sup>, Sébastien JUBEAU<sup>6</sup>, Philippe MICHAUD<sup>1</sup>, <sup>1</sup>UNIVERSITY CLERMONT AUVERGNE, <sup>2</sup>CNRS-UPMC UNIVERSITY, <sup>3</sup>LUNAM UNIVERSITY OF NANTES, <sup>4</sup>UNIVERSITY OF ROUEN, <sup>5</sup>UNIVERSITY OF LA ROCHELLE, <sup>6</sup>ALGOSOURCE TECHNOLOGIES**

**3.CS2.3. UN APERÇU SUR LA SYNTHÈSE DES OXYDES POLYMETALLIQUES NANOSTRUCTURES AVEC DES APPLICATIONS SPECIFIQUES – Alexandra IORDAN, Mircea PALAMARU, Adrian BORHAN, Mirela AIRIMIOAEI, Tamara SLĂTINEANU, Simona FERARU, Alin DRUC, Ștefana COJOCARU, ALEXANDRU IOAN CUZA UNIVERSITY OF IASI**



**BI 29 AMPHITHEATER**

THURSDAY 28 JUNE 2018 14<sup>00</sup> – 14<sup>45</sup>

**PLENARY CONFERENCE**

**CHAIRPERSONS: PROF. GÉRALD GUILLAUMET  
PROF. MICHAELA DINA STĂNESCU**

3.PC2. – SONOCHIMIE – SON EVOLUTION, L'EXPANSION ET APPLICATIONS – P\_37\_471  
PROJET – Mircea VÎNĂTORU, *POLITEHNICA UNIVERSITY OF BUCHAREST, SONOCHEM  
CENTRE LTD.*

**BI 29 AMPHITHEATER**

THURSDAY 28 JUNE 2018 14<sup>50</sup> – 17<sup>50</sup>

**CONFERENCES – SECTION 1**

**CHAIRPERSONS: DR. IRINA CLAUDIA ALEXA  
PROF. MOHAMED AKSSIRA  
PROF. DANIELA ISTRATI  
PROF. SAÏD EL KAZZOULI  
PROF. SYLVAIN ROUTIER  
DR. OANA-IRINA PATRICIU**

3.CS1.4. LA CHIMIE EN FLUX CONTINU, UNE NOUVELLE METHODE D'ACTIVATION EN  
SYNTHÈSE ORGANIQUE – Stéphane BOSTYN<sup>1</sup>, Sylvain ROUTIER<sup>2</sup>, Frédéric BURON<sup>1</sup>, <sup>1</sup>*INSTITUTE  
FOR COMBUSTION, AEROTHERMODYNAMICS, REACTIVITY AND ENVIRONMENT – ICARE,*  
<sup>2</sup>*INSTITUTE OF ORGANIC AND ANALYTICAL CHEMISTRY - ICOA, UNIVERSITY OF ORLEANS*

3.CS1.5. ACTIVITE ENZYMATIQUE SUIVIE PAR ELECTROPHORESE CAPILLAIRE POUR DES  
APPLICATIONS THERAPEUTIQUES ET COSMETIQUES – Reine NEHME, Philippe MORIN,  
*UNIVERSITY OF ORLEANS, INSTITUTE OF ORGANIC AND ANALYTICAL CHEMISTRY - ICOA*

3.OC1.1. SYNTHÈSE DE LIGANDS FLUORESCENTS POUR L'ETUDE DU RECEPTEUR  
SEROTONINERGIQUE 5HT7 – Nicolas CHOPIN<sup>1</sup>, Doina SIRBU<sup>1</sup>, Emmanuel DEAU<sup>1</sup>, Chayma EL  
KHAMLICH<sup>2</sup>, Flora REVERCHON<sup>2</sup>, Andrzej BOJARSKI<sup>3</sup>, Séverine MORISSET-LOPEZ<sup>2</sup>, Gérald  
GUILLAUMET<sup>1</sup>, Franck SUZENET<sup>1</sup>, <sup>1</sup>*INSTITUTE OF ORGANIC AND ANALYTICAL CHEMISTRY –  
ICOA, UNIVERSITY OF ORLEANS,* <sup>2</sup>*CENTER FOR MOLECULAR BIOPHYSICS,* <sup>3</sup>*POLISH  
ACADEMY OF SCIENCES*

3.OC1.2. LES POLYMERES A EMPREINTES MOLECULAIRES APPLIQUES AUX ANALYSES DE  
TRACES DANS LES FLUIDES BIOLOGIQUES ET LES EAUX ENVIRONNEMENTALES – Bérengère  
CLAUDE<sup>1</sup>, Philippe MORIN<sup>1</sup>, Laurence AMALRIC<sup>2</sup>, Catherine BERHO<sup>2</sup>, Reine NEHME<sup>1</sup>, <sup>1</sup>*UNIVERSITY  
OF ORLEANS, INSTITUTE OF ORGANIC AND ANALYTICAL CHEMISTRY – ICOA,* <sup>2</sup>*BRGM*



**ORLEANS**

**3.CS1.6. APPLICATIONS DE LA RIBOFLAVINE ET DE SES ANALOGUES EN CHIMIE THERAPEUTIQUE** – Natalia BEZTSINNA, Marion SOLE, Jean DESSOLIN, Nada TAIB-MAAMAR, Edouard BADARAU, Isabelle BESTEL, **UNIVERSITY OF BORDEAUX, INSTITUTE OF CHEMISTRY & BIOLOGY OF MEMBRANES & NANO-OBJECTS**

**3.OC1.3. SYNTHÈSE ET ÉTUDE D'HÉTÉROLES POLYAROMATIQUES** – Anabella MOCANU<sup>1</sup>, Rózsa SZÚCS<sup>2</sup>, Elsa CAYTAN<sup>1</sup>, Thierry ROISNEL<sup>1</sup>, Pierre-Antoine BOUIT<sup>1</sup>, László NYULÁSZI<sup>2</sup>, Muriel HISSLER<sup>1</sup>, <sup>1</sup>UNIVERSITY OF RENNES 1, <sup>2</sup>BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS

**BI 28 AMPHITHEATER**

**THURSDAY 28 JUNE 2018 14<sup>50</sup> – 18<sup>20</sup>**

**CONFERENCES – SECTION 2**

**CHAIRPERSONS:**

**PROF. BERNARD PAUL  
PROF. PHILIPPE MICHAUD  
DR. ANDREI IONUȚ SIMION  
PROF. IOAN-CEZAR MARCU  
PROF. VALENTIN NEDEFF  
PROF. ILEANA DENISA NISTOR  
DR. GUILLAUME PIERRE  
PROF. LUCIAN GAVRILĂ**

**3.CS2.4. SUGGESTIONS POUR LA VALORISATION COMPLEXE DES PEPINS DE RAISIN** – Mihaela TOCIU<sup>1</sup>, Michaela Dina STANESCU<sup>1</sup>, Anca HIRTOPEANU<sup>2</sup>, Dragos GUDOVAN<sup>1</sup>, <sup>1</sup>POLITEHNICA UNIVERSITY OF BUCHAREST, <sup>2</sup>CENTER FOR ORGANIC CHEMISTRY C.D. NENITZESCU OF THE ROMANIAN ACADEMY

**3.OC2.1. DEVELOPPEMENT DE PHOTOCATALYSEURS HYBRIDES RECYCLABLES ACTIFS DANS LA LUMIERE VISIBLE** – Adrian Iulian BORHAN, Alexandra Raluca IORDAN, Mircea Nicolae PALAMARU, Ștefana COJOCARU, **ALEXANDRU IOAN CUZA UNIVERSITY OF IASI**

**3.OC2.2. ADSORPTION ET DESORPTION DU NEODYMIUM (III) PAR LA BENTONITE SODIQUE ET LE CHARBON ACTIF MAGNETIQUE** – Mohamed Amine DIDI, Abdelkader MIRAoui, **TLEMEN UNIVERSITY**

**3.OC2.3. DEVELOPPEMENT DE COMPOSITES ISOLANTS BIOSOURCES COMPOSES DE CHITOSANE ET DE PARTICULES DE TIGES DE TOURNESOL** – Narimane MATI-BAOUCHE, Hélène DE BAYNAST, Cédric DELATTRE, Philippe MICHAUD, **UNIVERSITY CLERMONT AUVERGNE**

**3.OC2.4. MISE EN OUEUVRE DE PROCEDES DE FILTRATION MEMBRANAIRE POUR LE FRACTIONNEMENT DE BIOMOLECULES ISSUES D'ARTHROSPIRA PLATENSIS** – Alina-Violeta URSU<sup>1</sup>, Bogdan TRICA<sup>2,3</sup>, Alain MARCATI<sup>1</sup>, Philippe MICHAUD<sup>1</sup>, Gholamreza DJELVEH<sup>1</sup>, <sup>1</sup>UNIVERSITY CLERMONT AUVERGNE, <sup>2</sup>POLITEHNICA UNIVERSITY OF BUCHAREST, <sup>3</sup>ICECHIM BUCHAREST

**3.CS2.5. DÉGRADATION DU BISPHENOL – A PAR OZONATION CATALYTIQUE EN PRÉSENCE DE MATERIAUX ARGILEUX POREUX RECYCLABLES** – Mihai MELENCIUC<sup>1,2</sup>, Rodica STURZA<sup>1</sup>, Alisa-Vasilica ARUS<sup>2,4</sup>, Farida BOUDISSA<sup>2</sup>, Thiziri TERKANI<sup>2</sup>, Nour el Houda HADJ ABDELKADER<sup>2,3</sup>, Ileana D. NISTOR<sup>4</sup>, Abdelkrim AZZOUZ<sup>2</sup>, <sup>1</sup>TECHNICAL UNIVERSITY OF MOLDOVA, <sup>2</sup>UNIVERSITY



OF QUEBEC, MONTREAL, <sup>3</sup>ORAN UNIVERSITY OF SCIENCE AND TECHNOLOGY - MOHAMED BOUDIAF, <sup>4</sup>VASILE ALECSANDRI UNIVERSITY OF BACAU

**3.OC2.5. ETUDES DES PROPRIETES ANTIOXYDANTES DES FILMS D'ALGINATE ISSUS D'UNE ALGUE BRUNE DE LA MER NOIRE (CYSTOSEIRA BARBATA) – Bogdan TRICĂ<sup>1,2,3</sup>, Roxana CABA<sup>4</sup>, Cédric DELATTRE<sup>2</sup>, Hélène DE BAYNAST<sup>2</sup>, Alina-Violeta URUSU<sup>2</sup>, Philippe MICHAUD<sup>2</sup>, Gholamreza DJELVEH<sup>2</sup>, Tănase DOBRE<sup>1</sup>, <sup>1</sup>POLITEHNICA UNIVERSITY OF BUCHAREST, <sup>2</sup>UNIVERSITY CLERMONT AUVERGNE, <sup>3</sup>ICECHIM BUCHAREST, <sup>4</sup>VASILE ALECSANDRI UNIVERSITY OF BACAU**

**3.CS2.6. FOISONNEMENT DU CHITOSANE EN REGIME PERMANENT POUR LE DEVELOPPEMENT DE MATERIAUX POREUX POUR LA REGENERATION OSSEUSE ET TISSULAIRE – Gholamreza DJELVEH, Diana FURTUNA, Laura REQUIA, Alina-Violeta URUSU, Safa LARAFA, Guillaume PIERRE, Hélène DE BAYNAST, Philippe MICHAUD, Cédric DELATTRE, UNIVERSITY CLERMONT AUVERGNE**

## **BI 29 AMPHITHEATER**

**FRIDAY 29 JUNE 2018 09<sup>00</sup> – 12<sup>15</sup>**

### **CONFERENCES – SECTION 1**

**CHAIRPERSONS:** DR. EDUARD BĂDĂRĂU  
DR. REINE NEHME  
DR. FRÉDÉRIC BURON  
DR. IRINA LOREDANA IFRIM  
PROF. FRANCK SUZENET  
DR. ELENA MIRELA SUCEVEANU  
DR. RALUCA IOANA TÂMPU  
PROF. MICHAELA DINA STĂNESCU

**3.CS1.7. FONCTIONNALISATION DES INDAZOLES ET DES AZAINDAZOLES PAR DES REACTIONS D'ACTIVATION DE LA LIAISON C-H – Saïd El KAZZOULI<sup>1</sup>, Soukaina FAARASSE<sup>1,2</sup>, Franck SUZENET<sup>2</sup>, Gérald GUILLAUMET<sup>2</sup>, <sup>1</sup>EUROMED UNIVERSITY OF FES, <sup>2</sup>UNIVERSITY OF ORLEANS, INSTITUTE OF ORGANIC AND ANALYTICAL CHEMISTRY – ICOA**

**3.OC1.4. SYNTHÈSE ET COMPORTEMENT DES DÉRIVÉS 1,3,4-OXADIAZOLIQUES DANS LES RÉACTIONS DE COUPLAGE PALLADO-CATALYSÉES – Anca PAUN, Alexandra PURCAREA, Anca G. COMAN, Codruta C. POPESCU, Mihaela MATACHE, UNIVERSITY OF BUCHAREST**

**3.OC1.5. SYNTHÈSE ET REACTIVITE DE NOUVEAUX PYRAZOLO[3,4-c]PYRAZOLES – Nicu-Cosmin OSTACHE<sup>1,2</sup>, Marie-Aude HIEBEL<sup>1</sup>, Adriana-Luminița FÎNARU<sup>2</sup>, Franck SUZENET<sup>1</sup>, Gérald GUILLAUMET<sup>1</sup>, <sup>1</sup>UNIVERSITY OF ORLEANS, INSTITUTE OF ORGANIC AND ANALYTICAL CHEMISTRY – ICOA, <sup>2</sup>VASILE ALECSANDRI UNIVERSITY OF BACAU**

**3.OC1.6. L'ANALYSE PHYTOCHIMIQUE ET L'ACTIVITÉ ANTIOXYDANTE DES FRUITS DE NYMPHAEA ALBA – Mihaela CUDĂLBEANU, Ioana Otilia GHINEA, Bianca FURDUI, Rodica Mihaela DINICĂ, DUNĂREA DE JOS UNIVERSITY OF GALAȚI**

**3.OC1.7. ADAPTATION D'UNE MÉTHODE HPLC POUR DÉTERMINER LES RÉSIDUS D'ACIDE 2-CHLOROÉTHYLPHOSPHONIQUE DANS DES ÉCHANTILLONS D'ORIGINE VÉGÉTALE – Mihai TUDOR<sup>1</sup>, Rodica CUCIUREANU<sup>1</sup>, Ioana Otilia GHINEA<sup>2</sup>, Rodica Mihaela DINICĂ<sup>2</sup>, <sup>1</sup>GRIGORE T. POPA UNIVERSITY OF MEDICINE AND PHARMACY, <sup>2</sup>DUNĂREA DE JOS UNIVERSITY OF**



**GALAȚI**

**3.CS1.8. N-ACYLHYDRAZONES : MODÈLE STRUCTUREL CONVENABLE DANS LE DÉSIGN DES « SWITCHES » MOLÉCULAIRES** – Anca G. COMAN, Anca PAUN, Codruta C. POPESCU, Mihaela MATACHE, **UNIVERSITY OF BUCHAREST**

**3.OC1.8. L'EFFICACITÉ DE CHITOSANE ET ACIDE HYALURONIQUE BIOMATERIAUX SUR LES BRÛLURES : MODÈLE DE LA BRÛLURE THERMIQUE CHEZ LE RAT** – Andreea-Teodora IACOB<sup>1</sup>, Maria DRAGAN<sup>1</sup>, Frédéric BURON<sup>2</sup>, Sylvain ROUTIER<sup>2</sup>, Nicolae GHEȚU<sup>3</sup>, Dragoș PIEPTU<sup>3</sup>, Simona GIUSCA<sup>4</sup>, Irina Draga CARUNTU<sup>4</sup>, Lenuta PROFIRE<sup>1</sup>, **<sup>1</sup>GRIGORE T. POPA UNIVERSITY OF MEDICINE AND PHARMACY, <sup>2</sup>UNIVERSITY OF ORLEANS, INSTITUTE OF ORGANIC AND ANALYTICAL CHEMISTRY – ICOA**

**3.CS1.9. GLUCOSINOLATES : UNE CHIMIE SOUFREE DANS NOS LEGUMES QUOTIDIENS** – Patrick ROLLIN, **UNIVERSITY OF ORLEANS, INSTITUTE OF ORGANIC AND ANALYTICAL CHEMISTRY – ICOA**

**BI 28 AMPHITHEATER**

**FRIDAY 29 JUNE 2018 09<sup>00</sup> – 11<sup>45</sup>**

**CONFERENCES – SECTION 2**

**CHAIRPERSONS:** DR. LĂCRĂMIOARA RUSU  
PROF. ILEANA DENISA NISTOR  
DR CRISTINA GABRIELA GRIGORAȘ  
PROF. MOHAMED AMINE DIDI  
PROF. ILIE SIMINICEANU  
DR. ANA-MARIA ROȘU  
PROF. CHRISTOPHE VIAL  
PROF. MICHAELA DINA STĂNESCU

**3.CS2.7 ETUDE DU MELANGE ET DU TRANSFERT DE MATIERE GAZ-LIQUIDE EN CONDITIONS DE PRODUCTION DE BIOHYDROGENE PAR FERMENTATION SOMBRE** – Benoît CHEZEAU, Jean-Pierre FONTAINE, Christophe VIAL, **UNIVERSITY CLERMONT AUVERGNE**

**3.OC2.6. ÉTUDE COMPARATIVE DE LA SYNTHÈSE ET DE LA CARACTÉRISATION D'ARGILES PONTÉES EN UTILISANT DES POLYHYDROXCATIONS DIFFÉRENTES** – Ana-Maria GEORGESCU<sup>1</sup>, Nicoleta PLATON<sup>1</sup>, Vasilica Alisa ARUȘ<sup>1</sup>, Françoise NARDOU<sup>2</sup>, Claude PENOT<sup>2</sup>, Gheorghe BRABIE<sup>1</sup>, Ilie SIMINICEANU<sup>3</sup>, Ileana Denisa NISTOR<sup>1</sup>, **<sup>1</sup>VASILE ALECSANDRI UNIVERSITY OF BACAU, <sup>2</sup>UNIVERSITY OF LIMOGES, <sup>3</sup>GHEORGHE ASACHI' UNIVERSITY OF IASI**

**3.OC2.7. ETUDE COMPARATIVE DE L'ADSORPTION DU VERT BRILLANT SUR DES SCIURES DES BOIS RESINEUX « CEDRE » ET FEUILLUS « ACAJOU »** – Maryam EL HAJAM, Abdeleaziz ZEROUALE, Nouredine IDRISSE KANDRI, Anass EL KHOMSI, Ahmed HARRACH, **SIDI MOHAMED BEN ABDELLAH UNIVERSITY OF FEZ**

**3.CS2.8. OXYDES MIXTES Cu/Ce/Mg/Al ISSUS DES PRECURSEURS HYDROTALCITES POUR LA COMBUSTION CATALYTIQUE DU METHANE** – Hussein Mahdi S. AL AANI<sup>1</sup>, Emmanuel IRO<sup>2</sup>, Pramodh CHIRRA<sup>2</sup>, Ionel POPESCU<sup>1</sup>, Maria OLEA<sup>2</sup>, Ioan-Cezar MARCU<sup>1</sup>, **<sup>1</sup>UNIVERSITY OF**



BUCHAREST, <sup>2</sup>TEESSIDE UNIVERSITY

**3.OC2.8. ANALYSES CHROMATOGRAPHIQUES ET SPECTRALES DES PHYTOESTROGÈNES DANS LES GERMES DE PLANTES AROMATIQUES** – Anna CAZANEVSCAIA, Andreea BOTEZATU (DEDIU), Rodica Mihaela DINICĂ, *DUNĂREA DE JOS UNIVERSITY OF GALAȚI*

**3.OC2.9. RETENTION DU NAPHTALENE SUR DES ARGILES ANIONIQUES FONCTIONNALISEES** – Mădălina-Ștefania PÎRVAN<sup>1</sup>, Laurence PIRAULT-ROY<sup>2</sup>, Rachid BRAHMI<sup>2</sup>, Ileana Denisa NISTOR<sup>1</sup>, <sup>1</sup>VASILE ALECSANDRI UNIVERSITY OF BACAU, <sup>2</sup>UNIVERSITY OF POITIERS, IC2MP

## **CENTRAL HALL OF B BUILDING, FIRST FLOOR**

**THURSDAY 28 JUNE 2018 09<sup>00</sup> – 18<sup>20</sup> POSTERS SECTION**

**CHAIRPERSONS:** DR. ANCA PĂUN  
DR. ALINA VIOLETA URSU  
DR. CRISTINA OTT  
PROF. SYLVAIN ROUTIER  
PROF. LENUȚA PROFIRE  
DR. BERENGÈRE CLAUDE

**3.P1.1. MÉTHODE DE QUANTIFICATION D'AFATOXINES DANS DES ALIMENTS POUR ANIMAUX À BASE DE CÉRÉALES ET PRODUITS DÉRIVÉS** – Violeta Alexandra ION, Diana VELCEA (GOLEA), Oana Cristina PÂRVULESCU

**3.P1.2. DEVELOPPEMENT ET VALIDATION D'UNE METHODE DE DOSAGE DE L'IBRUTINIB ET DE SON METABOLITE ACTIF DANS LE LIQUIDE CEPHALO-RACHIDIEN ET LE PLASMA PAR LC-MS/MS** – David BEAUVAIS, Jean-François GOOSSENS, Stéphanie GENAY, Pascal ODOU, Cécile DANEL

**3.P1.3. SYNTHÈSE ET CARACTERISATION PAR SPECTROSCOPIE INFRAROUGE DE NOUVEAUX COMPLEXES DERIVANT DES INTERACTIONS ENTRE DES SELS CONTENANT L'ANION  $[(C_2O_4)_2SnR'_2]^{2-}$  (R = Bu, iBu, Bz) ET  $SnBr_2$ ,  $SnPh_2Cl_2$  OU  $SbF_3$**  – Ndongo GUËYE, Libasse DIOP

**3.P1.4. RECHERCHES CHIMIQUES ET MORPHOLOGIQUES SUR LES POTERIES PEINTES DU PATRIMOINE CULTUREL ROUMAIN** – Cristiana RADULESCU, Ioana Daniela DULAMA, Alina BINTINTAN, Mihai GLIGOR, Mariana Rodica ION, Claudia STIHI, Sorina Geanina STANESCU, Sofia TEODORESCU, Raluca Maria STIRBESCU, Ioan Alin BUCURICA

**3.P1.5. DOSAGE URINAIRE DU PARACETAMOL ET DE SES METABOLITES PAR ELECTROPHORESE CAPILLAIRE COUPLEE A LA SPECTROMETRIE DE MASSE EN TANDEM** – Guy RABENIRINA, Marie LECOEUR, Wahiba BELOUDINI, Gilles LEBUFFE, Catherine FOULON

**3.P1.6. COMPLEXES DE TERRES RARES AVEC DES SELS D'AMMONIUM  $C_6H_4(CO_2H)_2$ ,  $HO_2C(CH)_2CO_2H$ ,  $C_6H_5SO_3H$  ET  $H_3PO_4$**  – Dame SEYE, Cheikh A.K. DIOP, Libasse DIOP

**3.P1.7. SYNTHÈSE, ÉTUDES DFT ET INVESTIGATIONS SUR LES PROPRIÉTÉS OPTIQUES NON LINÉAIRES ET ANTIOXYDANTE DE CERTAINS THIOAMIDES** – Maria MARINESCU, Petre IONITA, Claudia-Valentina POPA, George MARTON, Irina ZARAFU

**3.P1.8. DEVELOPPEMENTS ANALYTIQUES POUR L'ANALYSE RAPIDE ET SENSIBLE DU THIABENDAZOLE ET DE LA CARBENDAZIME DANS LES EAUX ENVIRONNEMENTALES** –





Bérengère CLAUDE, Cyril COLAS, Philippe MORIN, Reine NEHME

**3.P1.9. SYNTHÈSE ET CARACTÉRISATION PAR SPECTROSCOPIES INFRAROUGE ET MÖSSBAUER DE NOUVEAUX DÉRIVÉS CARBOXYLALCYPHOSPHONATO CONTENANT LE RÉSIDU  $SnR_2$**  – Mouhamadou Sembène BOYE, Libasse DIOP, Alain WATIAUX

**3.P1.10. SYNTHÈSE, ÉTUDES DFT ET INVESTIGATIONS SUR L'ACTIVITÉ ANTIMICROBIENNE ET ANTIOXYDANTE DES CERTAINS BENZIMIDAZOLES** – Maria MARINESCU, Petre IONITA, Christina ZĂLARU, Claudia-Valentina POPA, Irina ZARAFU

**3.P1.11. MISE EN PLACE D'ESSAIS ENZYMATIQUES PAR ELECTROPHORESE CAPILLAIRE COUPLÉE A LA SPECTROMÉTRIE DE MASSE (CE-HRMS). OPTIMISATION ET APPLICATION AUX ANALOGUES NUCLEOSIDIQUES** – Ghassan AL HAMOUI DIT BANNI, Philippe MORIN, David DA SILVA, Vincent ROY, Luigi AGROFOGLIO, Reine NEHME

**3.P1.12. NOUVELLE SYNTHÈSE DE 3-CYANO-2-PYRIDONES A SIX CHAINONS** – Fadhila SALHI, Nawel CHEIKH, Siham BENANANE, Didier VILLEMIN, Nathalie BAR, Nouredine CHOUKCHOU-BRAHAM

**3.P2.1. CARACTÉRISATIONS STRUCTURALE, PHYSICO-CHIMIQUE ET BIOLOGIQUE DES POLYSACCHARIDES EXTRAITS D'UNE ALGUE BRUNE TUNISIENNE, CYSTOSEIRA COMPRESSA** – Faiez HENTATI, Guillaume PIERRE, Cédric DELATTRE, Jacques DESBRIERES, Didier LE CERF, Christine GARDARIN, Hamadi ATTIA, Slim ABDELKAFI, Philippe MICHAUD

**3.P2.2. ENLEVEMENT DE FER CONTENUS DANS LES EAUX SOUTERRAINS PAR ADSORPTION** – Cristina MODROGAN, Oanamari Daniela ORBULEȚ, Madelene Anette DĂNCILĂ, Cristina ORBECI, Constantin BOBIRICĂ, Mădălina Andreea PANDELE, Cristina COSTACHE

**3.P2.3. EXTRACTION DU PLOMB A PARTIR DE MILIEU AQUEUX NITRE PAR LA TECHNIQUE DE MEMBRANE LIQUIDE EMULSIONNÉE (MLE)** – Zeyneb SEFROU, Nasr-Eddine BELKHOUCHE

**3.P2.4. L'ANALYSE DES MÉTAUX À PARTIR DU CADRE DES RIVES SITUÉES PRÈS D'UNE ZONE MINIÈRE** – Alina COCHIORCA, Valentin NEDEFF, Narcis BĂRSAN, Emilian Florin MOȘNEGUȚU, Mirela PANAINTE-LEHĂDUȘ, Claudia TOMOZEI

**3.P2.5. CARACTÉRISATION STRUCTURALE D'UNE NOUVELLE GOMME EXTRAITE DES RACINES DE FERULA ASSA FOETIDA** – Sima SAEIDY, Ali NASIRPOUR, Javad KERAMAT, Jacques DESBRIERES, Didier LE CERF, Guillaume PIERRE, Cédric DELATTRE, Céline LAROCHE, Hélène DE BAYNAST, Alina-Violeta URȘU, Alain MARCATI, Gholamreza DJELVEH, Philippe MICHAUD

**3.P2.6. EFFET DE LA SALINITÉ ET DE L'IRRADIATION GAMMA SUR LES INDICES BIOCHIMIQUES CHEZ HORDEUM VULGARE L.** – Lacramioara OPRICĂ, Gabriela VOCHITA, Marius-Nicutor GRIGORE

**3.P2.7. VALORISATION DES ARGILES ALGÉRIENNES : APPLICATION A L'ADSORPTION DES COLORANTS TEXTILES EN SOLUTION** – Belkacem BENGUELLA, Khadidja TIZAOUI

**3.P2.8. ÉTUDE CONCERNANT LA RETENTION DES ENCRE PAPIÈRES SUR DES ARGILES** – Diana Carmen MIRILĂ, Mădălina-Ștefania PÎRVAN, Ana M. ROȘU, Valentin ZICHIL, Ileana-Denisa NISTOR

**3.P2.9. OLIGOSACCHARIDES BIOLOGIQUEMENT ACTIFS OBTENUS PAR DÉGRADATION ENZYMATIQUE D'UN ARABINO GALACTANE EXTRAIT DE CLADODES DE CEREUS TRIANGULARIS** – Benjamin PETERA, Cédric DELATTRE, Guillaume PIERRE, Christine GARDARIN, Andrea FENORADOSOA, Philippe MICHAUD

**3.P2.10. INVESTIGATIONS MORPHOGÉNÉTIQUES EN CULTURES IN VITRO SUR DES RÉGÉNÉRANTS DE STACHYS SIEBOLDII MIQ.** – Daniel Ioan MAFTEI, Diana Elena MAFTEI, Gogu GHIORGHITĂ

**3.P2.11. VALUATION DES MÉTHODES DE PURIFICATION POUR LA PRODUCTION DE L'ALGINATE A PARTIR D'UNE ALGUE BRUNE DE LA MER NOIRE (CYSTOSEIRA BARBATA)** – Bogdan TRICĂ, Cédric DELATTRE, Alina-Violeta URȘU, Philippe MICHAUD, Gholamreza DJELVEH, Tănase DOBRE



- 3.P2.12. ANALYSE RADIATIVE SPECTRALE DE LA PRODUCTION BIO-INSPIREE D'HYDROGENE** – Caroline SUPPLIS, Fabrice GROS, Jérémie DAUCHET, Matthieu ROUDET, Frédéric GLOAGUEN, Jean-François CORNET
- 3.P2.13. ASPECTS GEOMORPHOLOGIQUES ET ETUDES DE COMPOSITION CHIMIQUE DES SOLS DES DECHARGES DE RESIDUS D'URANIUM** – Cristiana RADULESCU, Gica PEHOIU, Ioana Daniela DULAMA, Ovidiu MURARESCU, Claudia STIHI, Sorina Geanina STANESCU, Sofia TEODORESCU, Raluca Maria STIRBESCU, Ioan Alin BUCURICA
- 3.P2.14. VALORISATION DE LA LIGNINE : ÉLABORATION ET CARACTÉRISATION DE MATÉRIAUX COMPOSITES BIOSOURCÉS** – Amélie TRIBOT, Cédric DELATTRE, Claude-Gilles DUSSAP, Hélène DE BAYNAST, Philippe MICHAUD
- 3.P2.15. PRODUITS DE PATISSERIE AVEC DES FRUITS D'EGLANTIER** – Rodica STURZA, Aliona GHENDOV-MOSANU, Silvia RUBTOV
- 3.P2.16. ANALYSE ET MODELISATION CINETIQUE DU PROCESSUS ELECTROCHIMIQUE DE CHROMAGE DURE DE L'ACIER** – Liliana LAZĂR
- 3.P2.17. LES ECORCES D'EUCALYPTUS POUR L'ELIMINATION DE COLORANTS ACIDES PAR SORPTION A PARTIR DE SOLUTIONS AQUEUSES SYNTHETIQUES EN CONDITIONS BATCH** – Houcine BENAÏSSA, M.A. ATTAR, S.M.R.Z. BENHABIB
- 3.P2.18. ACTIVITÉ ENZYMATIQUE DU CHAMPIGNON PHANEROCHAETE CHRYSOSPORIUM CULTIVÉ EN PRÉSENCE DE NANOPARTICULES D'ARGENT PRÉPARÉES PAR DES MÉTHODES CHIMIQUES ET BIOLOGIQUES** – Lacramioara OPRICĂ, Maria BALASOIU, Alexander KUKLIN, Larisa POPESCU, Dorina CREANGĂ
- 3.P2.19. STABILITE OXYDATIVE ET ACTIVITE ANTIOXYDANTE DES EXTRAITS LIPOSOLUBES D'EGLANTIER** – Violina POPOVICI, Ilie ROSCA, Corina CIOBANU, Loredana SORAN, Ildiko BROS
- 3.P2.20. ANALYSE ÉCOTOXICOLOGIQUE DES CENDRES VOLANTES DES CENTRALES ÉLECTRIQUES À L'AIDE DE L'ALLIUM CEPA COMME BIOINDICATEUR DE GÉNOTOXICITÉ** – Lăcrămioara RUSU, Daniela NICUȚĂ, Maria HARJA, Daniela ȘUTEU, Lidia FAVIER, Christophe VIAL
- 3.P2.21. DIMINUTION DE LA CONTAMINATION DES PRODUITS DE PANIFICATION EN BACTÉRIES SPORULÉES BACILLUS SUBTILIS, BACILLUS MESENTERICUS** – Aliona GHENDOV-MOȘANU, Rodica STURZA, Elisaveta SANDULACHI, Antoanela PATRAȘ
- 3.P2.22. RETENTION DE L'ACIDE HUMIQUE PAR DES MEMBRANES ORGANIQUES À FIBRES CREUSES DANS LE PROCESSUS D'ULTRAFILTRATION** – Laurențiu TĂTARU, Valentin NEDEFF, Narcis BÂRSAN, Emilian MOȘNEGUȚU, Mirela PANAINTE-LEHĂDUȘ
- 3.P2.23. ADSORPTION DU CHROME (III) ET DU NICKEL (II) PAR UNE BENTONITE SODIQUE** – Ihssan BELBACHIR, Benamar MAKHOUKHI
- 3.P2.24. VALORISATION DES COMPOSES ACTIFS DES FEUILLES D'ÉPINARDS ET DES RADIS** – Alina Mihaela BIRTEA (MACIUCA), Raluca TAMPU, Oana-Irina PATRICIU, Cătălin TAMPU, Eugen HERGHELEGIU, LUCIAN GAVRILA, Adriana FINARU
- 3.P2.25. MÉTHODES COMBINÉES POUR ENLEVER ET MINÉRALISER LE COLORANT RÉACTIVE ORANGE 16** – Maria GONȚA, Veronica PORUBIN, Larisa MOCANU
- 3.P2.26. ABSORPTION ET VALORISATION DES GRAISSES PROVENANTS DES EFFLUENTS DE L'INDUSTRIE ALIMENTAIRE** – Brîndușa BĂLĂNUCĂ, Cristina OTT, Raluca STAN
- 3.P2.27. VALORISATION DE PROTEINES EXTRAITES D'ARTHROSPIRA PLATENSIS EN TANT QU'AGENT FOISSONNANT** – Ioana TARHON, Alina-Violeta URSU, Alain MARCATI
- 3.P2.28. GÉNÉRALITÉS SUR LES ARGILES ANIONIQUES ET LES ARGILES CATIONIQUES DANS L'ENVIRONNEMENT** – Mădălina Elena NECULEA, Mădălina-Ștefania PÎRVAN, Ileana Denisa NISTOR





**CENTRAL HALL OF B BUILDING, FIRST FLOOR**

**FRIDAY 29 JUNE 2018 09<sup>00</sup> – 11<sup>00</sup> POSTERS SECTION**

**CHAIRPERSONS: DR. LUMINIȚA GROSU  
DR. DAN EDUARD MIHAIESCU**

**3.P1.13. LA DÉSORPTION DES COMPOSÉS BIOACTIFS À PARTIR DU CORPS DE MATRICE DE SILICE – ORGANIQUE** – Alina MOROȘAN, Daniela ISTRATI, Laura OLARIU, Bogdan PURCAREANU, Bogdan TRICĂ, Gabriel VASILIEVICI, Dan Eduard MIHAIESCU

**3.P1.14. DESCRIPTION D'UN NOUVEL ACCES AUX TRIAZAPENTALENES POUR DES APPLICATIONS ENERGETIQUES** – Matthieu DANIEL, Marie-Aude HIEBEL, Gérald GUILLAUMET, Eric PASQUINET, Franck SUZENET

**3.P1.15. SYNTHÈSE ET EVALUATION BIOLOGIQUE DE CHROMENOPYRIDINES ET DE DERIVES DE CHROMENOPYRIDONES** – Siham BENANANE, Nawel CHEIKH, Fadhila SALHI, Nouredine CHOUKCHOU-BRAHAM, Nathalie BAR, Didier VILLEMIN

**3.P1.16. IDENTIFICATION DE L'ADULTERATION DU BEURRE AVEC DES GRAISSES EXOGENES PAR RMN D'HAUTE RESOLUTION** – Fulvia MANOLACHE, Cristina TODAȘCĂ, Valentin IONESCU, Claudiu UȚOIU, Floarea SERBANEA

**3.P1.17. SYNTHÈSE DE NOUVEAUX AZA-ETHERS-COURONNES SUBSTITUES AVEC NITROBENZOFURAZAN ET NITROXYDES** – Anca G. COMAN, Codruta C. PARASCHIVESCU, Anca PAUN, Cristina STAVARACHE, Mihaela MATACHE, Petre IONITA

**3.P1.18. CINETIQUE DES PROCESSUS DE NITROSATION D'AMOXICILLINE AVEC DES IONS DE NITRITE ET L'INHIBITION DE LA FORMATION DE N-NITROSAMOXICILLINE** – Maria GONȚA, Elena SIRBU

**3.P2.29. PELICULES PROTECTRICES CONTRE LA CORROSION DES ALLIAGES D'ALUMINIUM A BASE D'HUILES VEGETALES ET LDH-VANADATE** – Nicoleta CHIRA, Matei RAICOPOL, Corina ANDRONESCU, Mădălina PANDELE, Raluca KOMARTIN, Ioana Adina OANCEA, Raluca STAN

**3.P2.30. PRETRAITEMENT PAR SOLVANT DE CONNEXES DE SCIERIE EN VUE DE LA PRODUCTION DE BIOETHANOL DANS UNE BIORAFFINERIE MULTI-RESSOURCES** – Maarouf ABDU ALIO, Oana TUGUI, Agnès PONS, Lacramioara RUSU, Christophe VIAL

**3.P2.31. ÉTUDES SUR L'INFLUENCE DE L'UTILISATION D'ENGRAIS SUR LES PROPRIÉTÉS DU SOL POUR LA CULTURE DE BLÉ** – Oana Maria PLEȘCAN (MUSCALU), Valentin NEDEFF, Alexandra-Dana CHIȚIMUȘ, Emilian MOȘNEGUȚU, Narcis BĂRSAN

**3.P2.32. RECUPERATION DE COBALT ET NICKEL PAR UN LIQUIDE IONIQUE DANS UN PROCÉDE D'EXTRACTION LIQUIDE-LIQUIDE. MODELISATION DE TAGUCHI** – Sarah Nesrine MERAD, Nasreddine BELKHOUCHE, Moncef STAMBOULI

**3.P2.33. ANALYSE THERMOGRAVIMÉTRIQUE ET MODELISATION CINÉTIQUE DU PROCESSUS DE DECOMPOSITIONS DES MATERIAUX CARBONATES** – Liliana LAZĂR, Gabriela LISĂ, Maria HARJA

**3.P2.34. CARACTÉRISATION ET TRAITEMENT DES HUILES LUBRIFIANTES USAGÉES** – Abdelmadjid Mahfoudh BENDJERAD, Nawel CHEIKH, Houcine BENMAHDI, Belkacem DRAOUI

**3.P2.35. ETUDES CONCERNANT L'INFLUENCE DU CHLORURE DE SODIUM SUR LA MULTIPLICATION IN VITRO D'ORIGANUM VULGARE L.** – Daniela NICUȚĂ, Irina-Claudia ALEXA, Luminița GROSU, Elena-Mirela SUCEVEANU, Oana-Irina PATRICIU, Adriana-Luminița FINARU

**3.P2.36. INFLUENCE DES DOPANTS SUR L'ACTIVITE PHOTOCATALYTIQUE DU TiO<sub>2</sub>** – Amalia



Maria SESCU, Doina LUTIC, Lidia FAVIER, Lăcrămioara RUSU, Gabriela CIOBANU, Maria HARJA

**3.P2.37. UTILISATION DES FRUITS D'EGLANTIER ET D'AUBEPINE DANS LES PRODUITS DE BOULANGERIE** – Ecaterina COVACI, Rodica STURZA, Victoria ZUBCU

**3.P2.38. DETERMINATION DES PARAMETRES DYNAMIQUES DANS LA FLUIDISATION DES DIFFERENTES CONFIGURATIONS DE LIT SOUS ACTION DU CHAMP MAGNETIQUE** – Gabriela MUNTIANU, Alina-Violeta URUSU, Fabrice GROS, Ileana Denisa NISTOR, Gheorghita JINESCU, Gholamreza DJELVEH

**3.P2.39. DIVERSIFICATION DE LA VALORISATION DES SOUS-PRODUITS DE L'INDUSTRIE DU SUCRE À BASE DE BETTERAVE** – Andrei SIMION, Cristina-Gabriela GRIGORAȘ, Lidia FAVIER, Lucian GAVRILĂ

**3.P2.40. OBTENTION ET ANALYSE COMPARATIVE DES DIFFERENTES LIQUEURS ARTISANALES DE MENTHE** – Mirela SUCEVEANU, Oana-Irina PATRICIU, Luminița GROSU, Irina-Claudia ALEXA, Adriana FÎNARU

**3.P2.41. VALORISATION DE BIOMATERIAUX A BASE D'AMIDONS POUR DES SOLUTIONS INNOVANTES EN REHABILITATION DE SOLS POLLUES** – Ana-Maria ROSU, Catherine RAFIN, Etienne VEIGNE

**3.P2.42. RECHERCHE CONCERNANT L'EFFET DES EXTRAITS DES MARC DE RAISIN SUR LA CROISSANCE ET LE DÉVELOPPEMENT DES PLANTES** – Irina-Claudia ALEXA, Daniela NICUȚĂ, Luminița GROSU, Elena-Mirela SUCEVEANU, Adriana FÎNARU

**3.P2.43. OBTENTION D'ENGRAIS ÉCOLOGIQUE UTILISANT DES SOUS-PRODUITS PROVENANT DES INDUSTRIES DU BOIS ET LAITIÈRE** – Luminița GROSU, Elena-Mirela SUCEVEANU, Alexandru CHIRIAC, Irina-Claudia ALEXA

**3.P2.44. ÉVALUATION DE LA POSSIBILITÉ D'UTILISATION DE BOUES D'ÉPURATION STABILISÉES PAR VOIE ANAÉROBIE AU MOYEN DE TESTS ÉCOTOXICOLOGIQUES** – Dumitra RADUCANU, Daniela NICUȚĂ, Elena GOLDAN, Irina IFRIM, Ioana STEFANESCU, Ioan Viorel RAȚI, Luliana LAZAR

**3.P2.45. ETUDE SUR LA RELATION ENTRE LE POURCENTAGE DE CARBONE ET LA DISTRIBUTION DES CONTRAINTES RESIDUELLES DANS LA COUCHE SUPERFICIELLE** – Cătălin TAMPU, Raluca TAMPU, Bogdan Alexandru CHIRITA, Eugen HERGHELEGIU, Gheorghe BRABIE

**3.P2.46. ETUDE CONCERNANT LES PROPRIETES ACOUSTIQUES DES MATERIAUX RECICLABLES** – Florin Marian NEDEFF, Mihaela Elena DASCALU, Claudia TOMOZEI, Adriana FINARU

**3.P2.47. BIOTYPES DES ARBRISSEAUX QUI PRESENTES UNE CERTAINE IMPORTANCE POUR LA NUTRITION ET LA SANTE HUMAINE** – Ioan Viorel RAȚI, Gheorghe MLADIN, Dumitra RĂDUCANU, Ana-Maria GEORGESCU, Ileana Denisa NISTOR, Dorel URECHE

**3.P2.48. MODULATION DE LA MORPHOLOGIE DES HYDROXYDES DOUBLES LAMELLAIRES (HDL) POUR LA FABRICATION DES BIOHYBRIDES UTILISES COMME VECTEURS NON VIRALUX** – Mihaela SILION, Celina Maria ALEXANDRICA, Radu ZONDA, Adina COROABA, Sorin IBANESCU, Marcel Ionel POPA

**3.P2.49. CERTAINES MODIFICATIONS DE LA QUALITE DE L'EAU REFLETEE DANS LA STRUCTURE DES COMMUNAUTES DE POISSONS DANS LE BASSIN DE LA RIVIERE VEDEA (AFFLUENT DU DANUBE, ROUMANIE)** – Dorel URECHE, Camelia URECHE

THE INTERNATIONAL CONFERENCES CELEBRATING TECHNICAL HIGHER EDUCATION INTO  
"VASILE ALECSANDRI" UNIVERSITY OF BACAU





## **SPONSORS**

**THERMOENERGY GROUP S.A**

**AEROSTAR S.A.**

**ELECTROPREST S.R.L. BACAU**

**DACO-INTERCOM S.R.L. FOCSANI**