



**Universitatea din
București**



Facultatea de Chimie



ASC-UB

PROGRAM

Sesiunea de Comunicări Științifice Studentești 2017

Ediția a XIII-a

- 9.00 – 9.15** **Festivitatea de deschidere**
- 9.15 – 10.00** **Conferință plenară**
Acad. Maria Zaharescu - Institutul de Chimie-Fizică “Ilie Murgulescu” al Academiei Române
Sol-gel Chemistry. Basic Researches and Applications
- 10.00 – 10.45** **Conferință plenară**
Dr. Arnaud Comment - University of Cambridge, UK and General Electric Healthcare
Hyperpolarized Magnetic Resonance
- 10.45 – 11.00** **Prezentare Merck**
- 11.00 – 14.00** **Secțiunea Licență**
- 14.00 – 15.00** **Pauză**
- 15.00 – 17.30** **Secțiunea Master**
- 17.30 – 18.45** **Secțiunea Doctorat**
- 18.45 – 19.15** **Deliberare Juriu**
- 19.30 – 20.00** **Festivitatea de Premiere**

11.00 – 14.00 SECȚIUNEA LICENȚĂ

- 11.00 – 11.15 1. New Anderson-like hexanuclear vanadium (IV) cluster**
Poenaru Rucsandra, Violeta Tudor, Cătălin Maxim, Marius Andruh
- 11.15 – 11.30 2. The synthesis of a new heterometallic $\text{Co}^{\text{III}}\text{Co}^{\text{II}}_3\text{Fe}^{\text{III}}_3$ cluster with a frustrated Heisenberg star topology**
Topor Alexandru, Violeta Tudor, Cătălin Maxim, Marius Andruh
- 11.30 – 11.45 3. Conceptual design of the ammonia production plant to improve energy efficiency**
Rusu Andreea-Roxana, Nicolae Marilena
- 11.45 – 12.00 4. Spectrometric and voltammetric investigations of obidoxime**
Marius Corbu, Iulia Gabriela David, Victor David
- 12.00 - 12.15 5. Engineering Yeast Cells for Enhanced Heavy Metal Accumulation by Targeting Carboxy-rich Oligopeptides to Cell Membrane**
Ghionescu Alina-Veronica, Lavinia L. Ruță
- 12.15 – 12.30 6. Anchoring oligohistidyl-tagged GFP to the inner face of the plasma membrane of *Saccharomyces cerevisiae* cells leads to Ni^{2+} and Co^{2+} accumulation**
Ana-Maria Pantazică
- 12.30 – 12.45 7. Oligonuclear Copper Complexes Based on Pyrazoles.**
Alina Maria Lungeanu, Mihai Marian Radu, Christina Zălaru, Marilena Ferbințeanu Cimpoeșu
- 12.45 – 13.00 8. Synthesis of a novel polyaminopolycarboxylic derivative**
Marius C. Stoian, Anca G. Coman, Codruța C. Paraschivescu, Mihaela Matache
- 13.00 – 13.15 9. Ethane oxydehydrogenation over tin (SnP_2O_7) and titanium (TiP_2O_7) pyrophosphates catalysts**
Ștefan-Bogdan Ivan, Ioan-Cezar Marcu
- 13.15 – 13.30 10. Influence of Triorganotin(IV) Nodes on Dimensionality of New Fumarate Polynuclear Systems**
Valentina-Andreea Țopîrlan, Andrei A. Pătrașcu, Cătălin

Maxim, Delia-Laura Popescu, Marius Andruh

13.30 – 13.45 11. New Coordination Compounds based on (Ph₂PO)₂NH Bidentate Ligand: Synthesis and Structural Variations

Maria-Iuliana Bogdan, Andrei A. Pătrașcu, Delia-Laura Popescu, Marius Andruh

13.45 – 14.00 12. Self-Assembled Oligonuclear Complexes and Coordination Polymers using Triphenyltin(IV) Building Blocks

Radu-Cristian Dascălu, Cătălin Maxim, Delia-Laura Popescu, Marius Andruh

15.00 – 17.30 SECȚIUNEA MASTER

15.00 – 15.15 1. Synthesis of Nb-based molecular sieves: catalytic properties-catalytic performances correlation

Magdi A. Belkassim, Natalia Candu, Vasile I. Pârvulescu, Simona M. Coman

15.15 – 15.30 2. Electrochemistry and antibacterial evaluation of azulene-containing chalcones

Luiza Izabela Jinga, Daniela Bala, Constantin Mihailciuc, Marcela Popa, Simona Nica

15.30 – 15.45 3. Electrochemical characterization of some extracts obtained from seeds, pulp and skin of red grapes

Gabriela Petcu, Constantin Mihailciuc, Daniela Bala, Eliza Oprea

15.45 – 16.00 4. Novel heterometallic clusters Co^{II/III} - Ni^{II} clusters containing aminoalcohols and carboxylate anions

Adrian Alexandru Apostol, Cătălin Maxim, Violeta Tudor, Marius Andruh

16.00 – 16.15 5. Dry reforming of methane over perovskite catalysis

Alina-Ioana Trușcă, Adriana Urdă, Mihaela Florea

16.15 – 16.30 6. Coordination polymers based on fluorescein

Mihai Răducă, Cristian D. Ene, Augustin M. Mădălan

16.30 – 16.45 7. Michael addition catalyzed by N/doped and nano-Au platelets/Graphenes

Andrada Simion, Natalia Candu, Isabela Man, Vasile Pârvulescu

16.45 – 17.00 8. Synthesis, structure and properties of novel 1,3,4-oxadiazoles-based ligands for metal-ions

Cătălin C. Anghel, Mihaela Matache, Codruța C. Paraschivescu, Augustin M. Mădălan, Marius Andruh

17.00 - 17.15 9. Synthesis of intermediates for preparation of new N-acylhydrazones

Alice Podaru, Anca G. Coman, Anca Păun, Codruța C. Paraschivescu, Mihaela Matache

17.15 – 17.30 10. Synthesis and Structural Characterization of New 1-D and 2-D Copper Coordination Polymers

Cristina Mozăceanu, Cătălin Maxim, Delia-Laura Popescu, Marius Andruh

17.30 – 18.45 SECȚIUNEA DOCTORAT

17.30-17.45 1. A new synthetic approach towards polynuclear complexes using mixed Schiff- and Mannich base ligands

Mihaela Mocanu, Andrei A. Pătrașcu, Catalin Maxim, Sergiu Shova, Marius Andruh

17.45 – 18.00 2. Magnetic beads competitive ELISA for domoic acid immunoassay

George-Mădălin Dănilă, Camelia Bala, Giuseppe Palleschi

18.00 – 18.15 3. Coordination polymers of various topologies constructed from tetradentate spacers

Teodora Mocanu, Sergiu Shova, Cristian Silvestru, Ion Grosu, Marius Andruh

18.15 – 18.30 4. Synthesis and photophysical properties of profluorescent nitroxides as dual luminescent-paramagnetic probes

Anca G. Coman, Alice I. Podaru, Codruța C. Paraschivescu, Anca Păun, Mihaela Matache, Petre Ioniță

18.30 – 18.45 5. Chimeric design of heterospin 2p-3d, 2p-4f, and 2p-3d-4f complexes using a novel family of paramagnetic dissymmetric compartmental ligands

Andrei A. Pătrașcu, Marius Andruh

