



Programul SIMPOZIONULUI NAȚIONAL DE CHIMIE  
EDIȚIA a XV-a  
27 Octombrie 2023, Craiova



| Interval orar | Activitate                                                                                                                                             | Speaker                                                                                                                                              |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 08:30-11:50   | <b>Training HPLC</b> – Cromatografia de lichide de înaltă performanță (HPLC). Noțiuni teoretice și aplicative esențiale                                | <b>Chim. Andrei Marcu</b> – Pro Analysis                                                                                                             |
| 11:50-12:10   | <b>Pauză de cafea</b>                                                                                                                                  |                                                                                                                                                      |
|               | <b>Prezentări invitate</b>                                                                                                                             |                                                                                                                                                      |
| 12:10-12:30   | Chimia suprafeței anozilor pentru pilele de combustie alimentate cu bioetanol și hidrogen                                                              | <b>Dr. Simona ȘOMĂCESCU</b><br>Institutul de Chimie Fizică "Ilie Murgulescu", Academia Română, România                                               |
| 12:30-12:50   | Nuclear studies of modern and historical leather                                                                                                       | <b>Lect.univ.dr. Elena BADEA</b><br>University of Craiova, Faculty of Sciences, Department of Chemistry, Craiova                                     |
| 12:50-14:25   | <b>Pauză de prânz</b>                                                                                                                                  |                                                                                                                                                      |
|               | <b>Prezentări orale</b>                                                                                                                                |                                                                                                                                                      |
| 14:25-14:40   | Challenges in the investigation of SOFC materials                                                                                                      | <b>Conf.univ.dr. Nicoleta CIOATERĂ</b><br>University of Craiova, Faculty of Sciences, Department of Chemistry, Craiova                               |
| 14:40-14:55   | Antimicrobial activity study of some binuclear complexes with Schiff bases derived from an aromatic dialdehyde and some amino acids                    | <b>Lect.univ.dr. Florina CIOLAN</b><br>University of Craiova, Faculty of Sciences, Department of Chemistry, Craiova                                  |
| 14:55-15:10   | Case study presenting the use of quantum-mechanical "zone criterion" as a clue in assigning the electronic transitions exhibited by a complex compound | <b>Conf.univ.dr. Liana-Simona SBÎRNĂ</b><br>University of Craiova, Faculty of Sciences, Department of Chemistry, Craiova                             |
| 15:10-15:25   | A study on bioaccumulation and translocation of toxic metals in different species of medicinal and aromatic plants                                     | <b>Dr. Anda-Gabriela ȚENEA</b><br>National Research and Development Institute for Industrial Ecology-ECOIND, Pollution Control Department, Bucharest |



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| 15:25-17:00 | Pauză cafea + Sesiune postere                                                                                    |                                                                                                                        |
|-------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|             | New oxidation catalysts based on copper complexes with salicylidene-amino acids Schiff bases onto SBA-15 support | <b>Prof.univ.dr. Mihaela MUREȘEANU</b><br>University of Craiova, Faculty of Sciences, Department of Chemistry, Craiova |
|             | Antioxidant activity and total phenolic compounds content of some selected vegetables                            | <b>Prof.univ.dr. Cristina BĂBEANU</b><br>University of Craiova, Faculty of Sciences, Department of Chemistry, Craiova  |
|             | The antioxidant action of vitamins during the electrodegradation of Brown HT additive                            | <b>Conf.univ.dr. Bogdan TUTUNARU</b><br>University of Craiova, Faculty of Sciences, Department of Chemistry, Craiova   |
|             | Thermal stability of banana and strawberry flavouring food additives                                             | <b>Conf.univ.dr. Bogdan TUTUNARU</b><br>University of Craiova, Faculty of Sciences, Department of Chemistry, Craiova   |
|             | Pyrite oxidation: Characteristics of $(\text{FeS}_2\text{O})_{12}$ species, a possible reaction intermediate     | <b>Drd. Elena Cristina CĂRSTEA</b><br>University of Craiova, Faculty of Sciences, Department of Chemistry, Craiova     |
|             | Spectral characterization of betanin                                                                             | <b>Conf.univ.dr. Anca MOANȚĂ</b><br>University of Craiova, Faculty of Sciences, Department of Chemistry, Craiova       |
|             | Erythromycin decreases photosynthetic pigments content in plants from the Brassicaceae family                    | <b>Lect.univ.dr. Georgeta CIOBANU</b><br>University of Craiova, Faculty of Sciences, Department of Chemistry, Craiova  |
|             | Total phenolic content and antioxidant activity of Pisum sativum sprouts extract                                 | <b>Lect.univ.dr. Cătălina IONESCU</b><br>University of Craiova, Faculty of Sciences, Department of Chemistry, Craiova  |
|             | Degradation of Methylorange by Fenton Reagent                                                                    | <b>Lect.univ.dr. Mădălina DRĂGOI</b><br>University of Craiova, Faculty of Sciences, Department of Chemistry, Craiova   |
|             | Dioximates of transitional metals. Syntheses, characterizations, applications                                    | <b>Lect.univ.dr. Anca GĂNESCU</b><br>University of Craiova, Faculty of Sciences, Department of Chemistry, Craiova      |
|             | Enzymatic biosensors for food                                                                                    | <b>Prof. Monica KOCSIS</b><br>Colegiul Național Vasile Goldiș, Arad                                                    |