

"Dunărea de Jos" University of Galați

Scientific Conference of Doctoral Schools

Perspectives and challenges in doctoral Research

14th Edition of SCDS-UDJG

11th to 13th of June 2026

Section 7. Chemistry in Life Sciences

Workshop

**NEW MATERIALS FOR THE
ELECTROCHEMICAL
RECOGNITION OF INORGANIC
AND BIOLOGICAL SPECIES
NOMARES 9
PROGRAM**



**National University of Science and Technology
POLITEHNICA Bucharest
Romanian Society of Chemistry
Romanian Academy of Technical Sciences
“Dunărea de Jos” University of Galați**



SHORT PROGRAM

SECTION 7: *NOMARES 9 WORKSHOP*: NEW MATERIALS FOR THE ELECTROCHEMICAL RECOGNITION OF INORGANIC AND BIOLOGICAL SPECIES (NOMARES - 9th edition)

THURSDAY – June 11, 2026

08:00 - 09:00	Participants registration
09:00 - 09:30	Opening ceremony
09:30 - 10:15	Invited plenary lecture onsite (Invited Lecture 1)
10:15 - 11:00	Invited lecture online (Invited Lecture 2)
11:00 - 13:00	Oral presentations in concurrent sections - (20 min/oral pres) - presentations in the following order: OP1-OP6
13:00 - 14:00	Lunch (building D - 1 st floor)
14:00 - 14:45	Invited lectures online (Invited Lecture 3)
14:45 - 15:30	Invited lectures online (Invited Lecture 4)
16:00 - 16:30	Coffee break and poster session NOMARES 9 - permanent exposure (building D - 1st floor), in the following order: PP1 - PP13
16:30 - 17:50	Oral presentations: OP7- OP11
18:30	Cultural evening: "A Tour of Europe" with Jean-Philippe Rameau, Claude Debussy, Paul Constantinescu, Modeste Mussorgsky (piano concert by Gabriela UNGUREANU in the University Hall)

FRIDAY – June 12, 2026

09:00-10:30	Oral presentations in concurrent sections of the conference
10:30-11:00	Coffee break (building D - 1 st floor)
11:00-13:00	Poster session - permanent exposure
11:00-18:00	Workshop discussions on boat on the Danube (+lunch)

SUNDAY – June 13, 2026

08:30 - 10:30	Poster discussions/ 10 minutes for each (building D - 1st floor)
10:30 - 11:00	Coffee break (building D - 1 st floor)
11:00 - 12:00	Closing ceremony for NOMARES (building D - 1st floor)
12:00 - 13:00	Packed lunch (building D - 1st floor)
13.00	Participants Departure

Detailed Program

SECTION 7: Workshop NOMARES NOUVEAUX MATERIAUX POUR LA RECONNAISSANCE ELECTROCHIMIQUE D'ESPECES INORGANIQUES ET BIOLOGIQUES (NOMARES 9th edition)/ New materials for the electrochemical recognition of minerals and biological species, Building SD, Room SD502, 111 Domnească Street

THURSDAY – June 11, 2026

PRESENTATIONS - INVITED LECTURERS

CHAIR: Lorentz JÄNTSCHI, *Technical University of Cluj-Napoca, Romania*

- Invited Lecture 1** **Lionel Delaude** *Dithiocarboxylate Zwitterions Derived from NHCs and cAACs and Their Redox Chemistry*
(09:30 - 10:15) University of Liège, Belgium
- Invited Lecture 2** **Sibel A. Ozkan** *Nano-Enhanced Synthetic Receptors: The Future of Electrochemical Detection*
(10:15 - 11:00) Ankara University Türkiye

CHAIR: Eleonora-Mihaela UNGUREANU, *National University of Science and Technology POLITEHNICA Bucharest, Romania*

- Invited Lecture 3** **Marie-Noëlle Collomb** *Bio-inspired Carboxylate-polymer/metal Oxides Nanocomposite as efficient Material for Electrocatalytic Water Oxidation*
(14:00 – 14:45) Grenoble Alpes University, France
- Invited Lecture 4** **Vesna Mišković-Stanković** *Modified Titanium Electrodes by Hydroxyapatite-Based Coatings for Medical Applications*
(14:45 - 15:30) University Union - Nikola Tesla, Belgrade, Serbia

ORAL PRESENTATIONS

CHAIR: Lionel DELAUDE, *University of Liège, Belgium*

- OP1** Madalina-Marina HRUBARU *On experimental and calculated properties of several formamidine derivatives*
(11:00-11:20)

OP2 (11:20-11:40)	Lorena MARTIN	<i>On the electrochemistry of 2-((5-isopropyl-3,8-dimethylazulen-1-y) diazenyl)-5-(5-isopropyl-3,8-dimethylazulen-1-ylthio)-1,3,4 thiadiazole</i>
OP3 (11:40-12:00)	Sabrina STATE	<i>Bisphenol A detection using molecularly imprinted polymer based electrochemical sensor</i>
OP4 (12:00-12:20)	Hanane OUBLID	<i>Caractérisation phytochimique et activités biologiques d'extraits d'une lavande endémique du Maroc</i>
OP5 (12:20-12:40)	George Octavian BUICA	<i>Self-reduced TiO₂ nanotube electrode for metal ions detection</i>
OP6 (12:40-13:00)	Houssam ATTOU	<i>Two-dimensional Janus HfSSe as a high-performance anode material for Li-ion batteries: A DFT study</i>

CHAIR: Rodica Mihaela DINICA, "Dunărea de Jos" University of Galati, Romania

OP7	Alexandra-Mariana IONESCU	<i>Comparative investigation of antioxidant potential of Perilla spp. extracts by chemical and electrochemical analyses</i>
OP8	Alexandra Virginia BOUNEGRU	<i>Solvent-Dependent Electrochemical Behavior of Copper(I) Complex-Modified Screen-Printed Sensors</i>
OP9	Aïssata N'Diaye	<i>Valorization of Neocarya macrophylla fruits by microencapsulation: Physicochemical and nutritional characterizations</i>
OP10	Constantin APETREI	<i>Detection of Virgin Olive Oil Adulteration by means of Electrochemical Biosensors</i>
OP11	Mariana MARIN	<i>Diol-assisted synthesis of CuO nanoparticles for improved electrochemical sensing of H₂O₂</i>

POSTER PRESENTATIONS

CHAIR: Constantin APETREI, "Dunărea de Jos" University of Galati, Romania

PP1	Liana ANICAI	<i>Electrochemical Synthesis of Gold Nanowires for Interleukin 6 Detection</i>
PP2	Răzvan-Tiberiu OPRE	<i>Effect of Co₃O₄ Doping on the Structure and Electrochemical Behavior of the 4Pb–PbO₂ System for Lead-Acid Battery Applications</i>
PP3	Lorentz Jäntschi	<i>Statistical Modeling and Measurement Validation for Electrochemical Data</i>

PP4	Caterina BANU	<i>Applications of Chromatographic Methods in the Analysis of Ascorbic Acid in Pharmaceutical Products</i>
PP5	Stefan CIOBANU	<i>Acute Cardiovascular and Respiratory Responses to High-Intensity Interval Training in Young Adult Women</i>
PP6	Veronica ANĂSTĂSOAIE	<i>Azulene-thiadiazole 2D polymeric films as innovative electroactive materials for heavy metals sensing</i>
PP7	Amalia Stefaniu	<i>Optical experiments and DFT calculations for azulene-phenyloxazolones</i>
PP8	Houssam ATTOU	<i>Two-dimensional as a high-performance anode material for Li ion batteries: A DFT investigation</i>
PP9	Mihaela CRISTEA	<i>Corrélation structure-propriétés pour les 1-vinyl-azulènes avec un noyau oxazolone</i>
PP10	Luisa Roxana MANDOC	<i>Synthesis, Integration and Testing of Sulfur-Based Materials for Application in Lithium–Sulfur Batteries</i>
PP11	Florina BRANZOI	<i>Doped Conductive Polymer Coatings for the Corrosion Protection of OLC 45 Carbon Steel</i>
PP12	Andra Mihaela ONAȘ	<i>Aminoglycoside Antibiotic Detection Using a Diazonium-Electrografted Aptasensing Platform</i>
PP13	Sorina-Alexandra LEAU	<i>Hybrid Materials-Based Electrochemical Sensing Platforms for Biomolecules</i>

FRIDAY – June 12, 2026

BOATRIP

Danube Delta Trip 11:00-18:00

SATURDAY – June 13, 2026

08:30 - 10:30 POSTER DISCUSSION/ 10 minutes for each (building D - 1st floor) Round Table

10:30-11.00 Coffee break (building D - 1st floor)

11:00 - 12:00 Awarding ceremony. Closing ceremony (building D - 1st floor)

12:00-13.00 Packed Lunch (building D - 1st floor)

13:00 Participants Departure