

"Dunărea de Jos" University of Galați

Scientific Conference of Doctoral Schools

Perspectives and challenges in doctoral Research
14th Edition of SCDS-UDJG
11th and 12th of June 2026

Doctoral School of
Fundamental and
Engineering Sciences
PROGRAMME



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Perspectives and challenges in doctoral Research

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CONFERENCE PROGRAMME

THURSDAY – June 11, 2026

08:00-10:00	Invited plenary lectures
09:00-11:00	Participants registration
10:00-13:00	Invited lectures Oral presentations in concurrent sections
13:00-14:00	Lunch (building D - 1 st floor)
14:00-16:00	Oral presentations in concurrent sections
16:00-16:30	Coffee break (building D - 1 st floor)
16:00-19:00	Oral presentations in concurrent sections

FRIDAY – June 12, 2026

09:00-10:30	Oral presentations in concurrent sections
10:30-11:00	Coffee break (building D - 1 st floor)
11:00-13:00	Posters session
11:00-13:00	Workshop
13:00-14:00	Awarding ceremony. Closing ceremony
14:00-15:00	Lunch (building D - 1 st floor)

THURSDAY – June 11, 2026

ORAL PRESENTATIONS

CHAIR: Constantin APETREI, *Dunărea de Jos University of Galați*

- IL.1.** Nicoleta Platon, Vasilica Alisa Arus, Hydrolyzed Collagen and Konjac
(10⁰⁰-10⁴⁰) Oana Cristina Pârvulescu Glucomannan as Functional Additives in Frozen Dough Bread Systems
- OP.7.1** Alexandra-Mariana Ionescu, Andreea-Veronica Botezatu, Ana-Maria Mocanu, Characterization of Chemical Composition and Biological Activities of *Sideritis spp.*
(10⁴⁰-10⁵⁵) Anna Busuioc, Maria Daniela Mihăilă, Alina Viorica Iancu, Bianca Furdui, Mihaela Silion, Costel Vînatoru, Rodica Mihaela Dinică
- OP.7.2** Andrei-Daniel Geman, Andreea-Loredana Comănescu, Constantin Apetrei Detection and Quantification of Resveratrol Using Voltammetric Biosensors Based on Screen-Printed Carbon Electrodes Modified with Gold Nanoparticles and Carbon Nanofibers
(10⁵⁵-11¹⁰)
- OP.7.3** Andra-Georgiana Trifan, Constantin Apetrei Electrochemical Detection of Estradiol Using a Gold Nanoparticle-Modified Carbon Electrode
(11¹⁰-11²⁵)
- OP.7.4** Cristina-Mihaela Vîină, Aurel Tăbăcaru Copper(I) Complexes with Antitumor Activity: Intrinsic Property or Activation Conditioned by the Tumor Microenvironment?
(11²⁵-11⁴⁰)
- OP.7.5** Măghinici Ana-Raluca, Comănescu Andreea-Loredana, Geman Andrei-Daniel, Constantin Apetrei Development of a Laccase-Based Biosensor for the Accurate Detection of Paracetamol
(11⁴⁰-11⁵⁵)
- OP.7.6** Andreea-Loredana Comănescu, Andrei-Daniel Geman, Mihaela Timofti, Constantin Apetrei A Disposable Electrochemical Sensor for Ultrasensitive Detection of Histamine in Bluefin Tuna
(11⁵⁵-12¹⁰)
- OP.7.7** Maria Daniela (Ionică) Mihăilă, Andreea Veronica Botezatu, Valentina Andreea Călmuc, Puiu Lucian Georgescu, Cătălina Iticescu, Bianca Furdui, Rodica Mihaela Dinică Development and Assessment of A Fast Chromatographic Workflow for Isolating Secondary Metabolites from Natural Sources Using Off-Line SPE
(12¹⁰-12²⁵)
- OP.7.8** Diana Cătălina Coman Stroia, Andreea Veronica Botezatu, Bianca Furdui, Rodica Mihaela Dinică Bioremediation of Soil from Petroleum Hydrocarbon Contaminants
(12²⁵-12⁴⁰)
- OP.7.9** Andra-Georgiana Trifan, Constantin Apetrei Square-Wave Voltammetric Detection of Melatonin Using a Reduced Graphene Oxide-Modified Electrode
(12⁴⁰-12⁵⁵)

13:00-14.00 Lunch (building D - 1st floor)

CHAIR: Rodica Mihaela DINICĂ, *Dunărea de Jos University of Galați*

- IL.2.** Andreea-Loredana Comănescu, Ana-Raluca Măghinici, Andrei-Daniel Amperometric biosensors based on enzymes used in food analysis
(14³⁰-15⁰⁰) Geman, Andra-Georgiana Trifan, Constantin Apetrei

OP.7.10 (15 ⁰⁰ -15 ¹⁵)	<u>Hanane Oublid</u> , Mohamed Ait Hamza, Abdellah El Hamdaoui, Latifa Askarne, Mohamed El Yaagoubi, Hassan Boubaker, Fouad Msanda	Phytochemical Content, Antioxidant, Antifungal, and Insecticidal Potentials of <i>Withania adpressa</i> Coss. Ex Batt. for Eco-Friendly Control of Stored Products
OP.7.11 (15 ¹⁵ -15 ³⁰)	<u>Harouna Diète Souleymane</u> , Kouakou N'goran David Vincent, Haoua Sabo Seyni, Fred Bukachi, Rodica Mihaela Dinică	Development of Dietetic Eggs by Valorizing Two Ivorian Herbaceous Plants (<i>Corchorus olitorius</i> and <i>Euphorbia heterophylla</i> Seeds) to Improve the Productivity and Nutritional Quality of Laying Quail Eggs (<i>Coturnix coturnix japonica</i>)
OP.7.12 (15 ³⁰ -15 ⁴⁵)	<u>Raileanu Raluca Nicoleta</u> , Ionescu Alexandra-Mariana, Botezatu Andreea-Veronica, Busuioc Anna, Mihaila Maria Daniela, Iancu Alina Viorica, Furdui Bianca, Amani Brice Kadja, Dinica Rodica Mihaela	Chemical and biological studies of the stems of <i>Zanthoxylum zanthoxyloides</i> from from Ivory Coast
16:00-16.30 Coffee break (building D - 1st floor)		
OP.7.13 (16 ³⁰ -16 ⁴⁵)	<u>Ngolo Elva</u> , Mavoumba Beril, Mboungou-Bouesse Blondy, Onde Radar, Etou Ossibi Arnaud Wilfrid	Preclinical Evaluation of the Acute Toxicity and Aphrodisiac Activity of the Aqueous Extract of Plant X in Male Rats
OP. 7.14 (16 ⁴⁵ -17 ⁰⁰)	<u>Haoussatou Sidibe</u> , Korotoumou Traore, Issiaka Togola, Mamadou Abdoulaye Konare, Nouhoum Diarra	Antioxidant Potential of <i>Cyperus rotundus</i> L. and <i>Chrysopogon zizanioides</i> L.: Two Plants Traditionnaly Used to Stimulate Female Sexual Desire
OP. 7.15 (17 ⁰⁰ -17 ¹⁵)	<u>Michaëlle Chokki</u> , Durand Dah-Nouvlessounon, Alexandra Mariana Ionescu, Rodica Mihaela Dinică, Ramona Suharoschi, Baba-Moussa Farid	Chemical Profiling and Antioxidant Potential of <i>Combretum Racemosum</i> : A Promising Source of Bioactive Natural Compounds
OP. 7.16 (17 ¹⁵ -17 ³⁰)	<u>Durand Dah-Nouvlessounon</u> , Brice Dangnon, Chokki Michaëlle, Andreea-Veronica Botezatu, Rodica Mihaela Dinică, Lamine Baba-Moussa.	<i>Vitellaria paradoxa</i> Used as Gastroprotective Agent for Gastric Ulcer Management
OP. 7.17 (17 ³⁰ -17 ⁴⁵)	<u>Caterina Banu, Jäntschi Lorentz</u>	Applications of Chromatographic Methods in the Analysis of Ascorbic Acid in Pharmaceutical Products

Concluding remarks

SECTION 7: CHEMISTRY - ELECTROCHEMISTRY IN LIFE SCIENCES, Building SD, SC2 FORINFO, 111 Domnească Street

FRIDAY – June 12, 2026

ORAL OR POSTERS PRESENTATIONS

CHAIR: Aurel TĂBĂCARU, *Dunărea de Jos University of Galați*

IL.3. (9⁰⁰-9²⁰) Elisabeta-Irina Geană, Corina Teodora Ciucure, Adelina Andreea Constantin, Claudia Sandru, Irina Mirela Petreanu Utilization of Agri-Food Industry By-Products to Develop Value-Added Bioproducts in the Context of the Circular Bioeconomy

OP. 7.18 (9 ²⁰ -9 ³⁰)	<u>Michaëlle Chokki</u> , Durand Dah-Nouvlessoun, Andreea-Veronica Botezatu, Maria Daniela (Ionică) Mihăilă, Ramona Suharoschi, Baba-Moussa Farid, Rodica Mihaela Dinică	Flavonoid-rich <i>Jatropha multifida</i> Leaf Extracts: Anti-Inflammatory Activity and Implications for Anticancer-Related Mechanisms
OP. 7.19 (9 ³⁰ -9 ⁴⁰)	<u>Fatima Zahra Sadiki</u> , Corina Neagu, Geta Carac, Andreea Veronica Dediu Botezatu, Mohamed Chabbi, Bene Kouadio, Mohammed Sbiti, Mostafa El Idrissi, Ali Amechrouq, Rodica Mihaela Dinică	Functional Gummy Candies Enriched with <i>Tetraclinis articulata</i> Essential Oil: Chemical Characterization, Antioxidant and Antibacterial Activities
OP. 7.20 (9 ⁴⁰ -9 ⁵⁰)	<u>M'po Sonia Marie Blanche</u> , Ouedraogo Clarisse, Guenne Samson, Ouattara Nabéré, Benjamin Kouliga Koama, Meda Nâg-Tiero Roland	Traditional Use of <i>Eclipta alba</i> in the City of Bobo-Dioulasso in Burkina Faso
OP. 7.21 (9 ⁵⁰ -10 ⁰⁰)	<u>Florence Déclaire Maboua</u> , Lionelle Kenfack Lemfack, Sophie Tomasi, Rodica Mihaela Dinică, Jean-De-Dieu Tamokou, David Ngnokam	In Vitro and in Silico Antibacterial Activities of Secondary Metabolites from Fruits of <i>Picralima nitida</i> (Apocynaceae)
OP. 7.22 (10 ⁰⁰ -10 ¹⁰)	<u>Nguemngang Mabou Lile Christère</u> , Nguenang Wonkam Vianney, Bedine Boat Marie Ampère, Davy Moussango Victor, Rodica Mihaela Dinică, Fekam Boyom Fabrice	Antifungal Effect of Clove Essential Oil Against Fungi Responsible for Postharvest Rot of Cassava in Ntui Locality
OP. 7.23 (10 ¹⁰ -10 ²⁰)	<u>Sabrina Chris Janiba Sanvee</u> , Hèzouwè Kagnou, Yendubé T. Kantati, Mindede Assih, Essotolom Badjabaissi, Aboudoulatif Diallo, Batomayena Bakoma	Chemical Composition and Evaluation of the Neuroprotective Properties of the Aqueous Fraction of <i>Uvaria chamae</i> in Diabetic Flying Drosophila (<i>Drosophila melanogaster</i>)
OP. 7.24 (10 ²⁰ -10 ³⁰)	<u>Skakri Soufiane</u> , Anas El Attar, Kellenberger Andrea, Jama Charafeddine, El Rhazi Mama	In Situ Production of Hydrogen via Electrolysis Using Transition Metals Reinforced by a Layer of Conductive Polymer as Electrocatalysts
10:30-11.00 Coffee break (building D - 1st floor)		
OP. 7.25 (11 ⁰⁰ -11 ¹⁰)	<u>Mampionona Michela Rasoanirina</u> , Rodica Mihaela Dinică, Dimby Andrianina Ralambomanana, Andreea Veronica Botezatu, Alexandra Mariana Ionescu, Alina Viorica Iancu, Hariliva Ramiarison, Rivoarison Randrianasolo, Andrianambinina A. Razakarivony	Bioactivity of Endemic Medicinal Plants of Madagascar
OP. 7.26 (11 ¹⁰ -11 ²⁰)	<u>Idriss Miganeh Waiss</u> , Andreea Veronica Botezatu, Maria Daniela (Ionică) Mihăilă, Rodica Mihaela Dinică	Granulometric Optimization Enhances Phenolic Concentration and Antioxidant Potential of <i>Abelmoschus esculentus</i> L. Powder
OP. 7.27 (11 ²⁰ -11 ³⁰)	<u>Kadjo Aka Fernand</u> , Bene Kouadio	Medicinal Plants Traditionally Used Against Skin Diseases Among the Agni of Bongongouanou (Central-East, Côte d'Ivoire)
OP. 7.28 (11 ³⁰ -11 ⁴⁰)	<u>Andreea-Loredana Comănescu</u> , Constantin Apetrei	Detection of histamine in presence of catechol redox probe

OP. 7.29 (11 ⁴⁰ -11 ⁵⁰)	<u>Andra-Georgiana Trifan</u> , Constantin Apetrei	Constantin	Electrochemical sensors used in detection of thyroxine hormone
OP. 7.30 (11 ⁵⁰ -12 ⁰⁰)	<u>Ana-Raluca Măghinici</u> , Apetrei	Constantin	Detection of paracetamol with electrochemical sensors based on carbonaceous nanomaterials
OP. 7.31 (12 ⁰⁰ -12 ¹⁰)	<u>Andrei-Daniel Geman</u> , Apetrei	Constantin	Detection of quercetin with chemically modified sensors
OP. 7.32 (12 ¹⁰ -12 ²⁰)	<u>Andra-Georgiana Trifan</u> , Apetrei	Constantin	Electrochemical Sensors for the Detection of Estradiol: Advances and Applications
OP.7.33 (12 ²⁰ -12 ³⁰)	<u>Ioana-Sabina Trifan</u> , Gabriela Biliuta, Sergiu Coseri		Fluorescent Cellulose Derivative for Metal Sensing <i>via</i> Schiff Base Functionalization
OP.7.34 (12 ³⁰ -12 ⁴⁰)	Mathieu Sawalda, <u>Alfred Ngenge Tamfu</u> , Abdourahman Fadimatou, Abubakar Siddiq Salihu, Selcuk Kucukaydin, Wan Mohd Nuzul Hakimi Wan Salleh, Mehmet Emin Duru, Andreea-Veronica Botezatu, Rodica-Mihaela Dinică, Emmanuel Talla		Neuroprotective Potential of Phenolic Compounds from Cameroonian Propolis: In Vitro, Molecular Docking and Molecular Dynamics Simulation Studies
OP.7.35 (12 ⁴⁰ -12 ⁵⁰)	<u>Alfred Ngenge Tamfu</u> , Rodica-Mihaela Dinică, Abubakar Siddiq Salihu		Antiinflammatory Potential of Selim Tea Plant (<i>X. aethiopica</i>) Extract with Molecular Docking Insights of Its Phytoconstituents
OP.7.36 (12 ⁵⁰ -13 ⁰⁰)	<u>Koudoro Yaya Alain</u> , Olaye Théophile, Olissan Alix Claudie Abossédé, Agbangnan Dossa Cokou Pascal, Avlessi Félicien, Sohounhloué C. K Dominique, Alexandra Mariana Ionescu, Rodica Mihaela Dinică		Formulation of an Antibacterial Ointment from Extracts of Four Plants Used in Benin to Treat Skin Diseases

13:00-14:00 Awarding ceremony. Closing ceremony

14:00-15:00 Lunch (building D - 1st floor)