



UNIVERSITATEA  
PEDAGOGICĂ DE STAT  
**ION CREANGĂ**  
DIN CHIȘINĂU

Scientific International Conference  
**MULTIDISCIPLINARY PERSPECTIVES ON  
SCIENCE TEACHING AND LEARNING**

**April 11, 2025**  
ONLINE

**PROGRAMME**

Chisinau

## Scientific Board

**Vincentas LAMANAUSKAS** – Professor, Doctor Habilitate, Vilnius University, Šiauliai Academy, Institute of Education. Šiauliai, Lithuania

**Carmen – Gabriela BOSTAN** – PhD, Senior researcher, National Center for Policies and Evaluation in Education, Bucharest, Romania

**Mihail CALALB** – PhD, Associate Professor, Faculty of Physics, Mathematics and Computer Sciences, “Ion Creanga” State Pedagogical University of Chisinau, R. Moldova

**Sergiu SANDULEAC** – PhD, Associate Professor, Faculty of Psychology, “Ion Creanga” State Pedagogical University of Chisinau, R. Moldova

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## Organizing Board

**Diana ANTOCI** – Doctor Habilitate, University Professor, Vice-rector, “Ion Creanga” State Pedagogical University of Chisinau

**Mihail CALALB** – PhD, Associate Professor, Faculty of Physics, Mathematics and Computer Sciences, “Ion Creanga” State Pedagogical University of Chisinau, R. Moldova

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**Maysoon AL-GAYYIM**– PhD student, Doctoral School of Psychology and Educational Sciences, University of Bucharest, Romania

**Victoria MELINTE** – PhD student, Doctoral School of Educational Sciences “Ion Creanga” State Pedagogical University of Chisinau

**Olga MACHEVNINA** – PhD student, Doctoral School of Educational Sciences “Ion Creanga” State Pedagogical University of Chisinau

<b>Friday, April 11</b>	
<b>Link: <a href="https://meet.google.com/vms-ecnz-ysq">https://meet.google.com/vms-ecnz-ysq</a></b>	
10:00 – 10:15	<p>Opening session. Welcoming speech</p> <p><b>Diana ANTOCI</b> – Doctor Habilitate, University Professor, Vice-rector, “Ion Creanga” State Pedagogical University of Chisinau</p> <p><b>Vincentas LAMANAUSKAS</b> – Professor, Doctor Habilitate, Vilnius University, Šiauliai Academy, Institute of Education. Šiauliai, Lithuania</p> <p><b>Carmen – Gabriela BOSTAN</b>, Senior researcher, National Center for Policies and Evaluation in Education, Bucharest, Romania</p>
<b>PLENARY SESSION</b>	
10:15 – 10:35	<p><b>Carmen – Gabriela BOSTAN, Romania</b></p> <p>Innovative approaches to lesson development via the Learning Designer platform</p> <p>The digital revolution and its effects on teaching-learning-assessment in Physics</p>
10:35 – 10:55	<p><b>Vincentas LAMANAUSKAS, Lithuania</b></p> <p>Position of preservice preschool and primary school teachers on the use of ai in the study process</p>
10:55 – 11:15	<p><b>Sergiu SANDULEAC, R. Moldova</b></p> <p>Perspectives on the development of scientific thinking in the current educational context in middle school</p>
11:15 – 11:35	<p><b>Victoria PLAMADEALA, R. Moldova</b></p> <p>The learning process from the perspective of neuroscience</p>

<b>SECTION 1 – Science Education</b> <b>Link: <a href="https://meet.google.com/vms-ecnz-ysq">https://meet.google.com/vms-ecnz-ysq</a></b> <b>Moderator: Mihail CALALB</b>	
11:40 – 11:50	<b>POSTOLACHI Igor, R. Moldova</b> Multidisciplinary historical discoveries
11:50 – 12:00	<b>CALALB Mihail, R. Moldova</b> Components of science competence
12:00 – 12:10	<b>BOCANCEA Viorel, R. Moldova</b> Aspects of implementing STEM/STEAM projects in the study of physics in general education
12:10 – 12:20	<b>POSTOLACHI Valentina, R. Moldova</b> Practical astronomy activities with digital sensors
12:20 – 12:30	<b>MELINTE Victoria, R. Moldova</b> Competencies of the physics teacher necessary for the interdisciplinarity of physics and chemistry
12:30 – 12:40	<b>CAPATINA Lucia, R. Moldova</b> Game – based learning for sustainable tourism education
12:40 – 12:50	<b>MACHEVNINA Olga, R. Moldova</b> Methods and techniques of evaluation in physics teaching
13:00 – 13:10	<b>ZELENSCHI Irina, R. Moldova</b> Evaluation and measurement of students’ knowledge on the topic Motion and Rest
13:10 – 13:20	<b>DABIJA Viorel, R. Moldova</b> Developing scientific competence through the inquiry-based learning of Electrokinetics
13:20 – 13:30	<b>SECRIERU Alina, R. Moldova</b> Exemple de activități de observare în cadrul cursului Științe din ciclul primar
13:30– 13:40	<b>SERBU Georgiana Alexandra, Romania</b> Creativity and early childhood education
13:40– 13:50	<b>BERJAN Marina, R. Moldova</b> The use of educational projects in studying mechanics during the first year at the vocational training college
13:50 – 14:00	<b>BORDEA Gina, Romania</b> Perceptions and attitudes towards sustainable wine tourism: a case study of Vrancea county
14:00– 14:10	<b>PIRGARI Rovim, R. Moldova</b> Trends and perceptions regarding the STEM/STEAM concept in teaching geometry in middle school
14:10– 14:20	<b>PANAS Roman, R. Moldova</b> Creșterea Eficientă și Inteligentă
14:20– 14:30	<b>PANIS Aliona, R. Moldova</b> Integrarea strategiilor interdisciplinare în învățare: provocări și oportunități pentru dezvoltarea gândirii critice la elevi

<b>SECTION 2 –Education Science</b> <b>Link: <a href="https://meet.google.com/qjc-qczg-euc">https://meet.google.com/qjc-qczg-euc</a></b> <b>Moderator: Sergiu SANDULEAC</b>	
11:40 – 12:00	<b>OLARESCU Valentina, PONOMARI Dorina, R. Moldova</b> Preparing children with language disorders for school. Family, divorce, children with special educational needs and the perception of interpersonal relationships
12:00 – 12:10	<b>BITCA Lucia, R. Moldova</b> Developing socio-emotional skills as an essential part of the educational process
12:10 – 12:20	<b>AL-GAYYIM Maysoon, Romania</b> Extremist thinking in adolescents
12:20 – 12:30	<b>CARABLUT Ariana, CHIPERI Nadejda, R. Moldova</b> Dezvoltarea autonomiei personale prioritate pentru copilul cu TSA
12:30 – 12:40	<b>LISNIC Angela, R. Moldova</b> Semilititudini interdisciplinare în predarea istoriei românilor și universal
12:40 – 12:50	<b>SAREV Mihaela, R. Moldova</b> Dezvoltarea limbajului la preșcolarii cu TSA
12:50 – 13:00	<b>LUCHIANCIUC Natalia, R. Moldova</b> O perspectivă interdisciplinară în predarea operei drugiene
13:00 – 13:10	<b>POPESCU Maria, R. Moldova</b> Psychological security of military servants
13:10 – 13:20	<b>DANCA Mihaela, Romania</b> Aspecte metodologice privind eficientizarea formării competenței de receptare a textului literar în clasa a IV-a
13:20 – 13:30	<b>SINECOVA Natalia, CHIPERI Nadejda, R. Moldova</b> The role of the family in the formation of socialization of a child with special needs