



**INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE
„EDUCATION THROUGH RESEARCH FOR A PROSPEROUS SOCIETY”
12th EDITION**

**PROGRAMME
March 1, 2025**

CHIȘINĂU, 2025

Organizing institutions:

*"Ion Creangă" State Pedagogical University, Faculty of Biology and Chemistry,
„Lower Danube” University from Galati, Romania;
Public Association Innovation in Performance Education*



Partners:

*University of Life Sciences of Iași, Romania;
University of Craiova, Romania;
Romanian Environmental Association;
National University of Science and Technology Politehnica Bucharest, Romania;
Institute of Chemistry of the State University of Moldova;
Hryhorii Skovoroda University in Pereiaslav*



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Andreia CUCURUZ, National University of Science and Technology Politehnica Bucharest, Romania, ORCID 0000-0001-5567-1934

GENERAL INFORMATION

1, 2025 (1st day)	9:15 – 10:00	Connecting participants online; registration
	10:00 – 10:20	Official opening of the conference
	10:20 – 13:15	Plenary communications
	13:15 - 14:00	Lunch break
March 1, 2025 (1st day)	14:00-19:00	Works in sections

March 2, 2025 (2nd day)	10:00 – 17:00	Communication session International Competition "Young Scientist"
March 2, 2025 (2nd day)	17:00 – 18:00	Approval of briefing note/conference resolution

Official languages of the Conference: english, romanian

Time allocated for the presentation of the projects:

in the plenary session – 25 minutes

in sections – 10 minutes

SECTIONS:

Section I	CURRENT ACHIEVEMENTS IN CHEMISTRY AND ENVIRONMENTAL PROTECTION
Section II	BIODIVERSITY AND ECOLOGY
Section III	NEW MATERIALS AND BIOTECHNOLOGIES
Section IV	CURRENT TRENDS IN DIDACTICS (EXACT SCIENCES)
Section V	CURRENT TRENDS IN DIDACTICS (LIFE SCIENCES))
Section VI	YOUNG RESEARCHER (International Competition)

CONFERENCE PROGRAMME

March 1, 2025

9:15 – 10:00	REGISTRATION OF PARTICIPANTS Location: Chisinau, 26A Drumul viilor street On-line Access link: https://us06web.zoom.us/j/81003045449?pwd=qTGzNAj3sZQQY02TQyp1lfHlaY1iJb.1 Meeting ID: 810 0304 5449 Passcode: 927897 Plenary session moderator: Diana ANTOCI , University Professor, Doctor Habilitatus, Vice-rector for research, “Ion Creanga” State Pedagogical University of Chisinau
	WELCOME WORD
10:00 – 10:20	Alexandra BARBĂNEAGRĂ , Associate Professor, PhD, Rector of “Ion Creanga” State Pedagogical University of Chisinau Florin MUNTEANU , University Professor, Doctor Habilitatus, Member of the Technical Academy of Romania Eduard COROPCEANU , University Professor, PhD, Director of IRITT, “Ion Creanga” State Pedagogical University of Chisinau Nicolai ALUCHI , Associate Professor, PhD, Dean of Faculty Biology and chemistry, “Ion Creanga” State Pedagogical University of Chisinau
	PLENARY COMMUNICATIONS
10:20 – 10:45	Gabriela-Iulia DAVID , Mihaela-Carmen CHEREGI , Emilia-Elena IORGULESCU , <i>Faculty of Chemistry, University of Bucharest, Romania</i> THE PENCIL GRAPHITE ELECTRODE IN THE VOLTAMMETRIC ANALYSIS OF BIOLOGICAL IMPORTANT COMPOUNDS
10:45-11:10	Lucia Carmen TRINCĂ , Cristina Elena SCUTĂRAȘU , Andreea Paula COZMA , Alina TROFIN , Andra Sabina NECULAI-VĂLEANU , Adina Mirela ARITON , <i>Iași University of Life Sciences, Romania; Dancu Cattle Breeding Research and Development Station, Romania</i> INFLUENCE OF CARVACROL ADDITION ON THE STABILITY OF SUNFLOWER OIL
11:10-11:35	Florin MUNTEANU , <i>Technical Academy of Romania, President of the Complex Sciences Center, Bucharest</i> ENGINEERING IN THE AGE OF ARTIFICIAL INTELLIGENCE. COMPLEXITY AND TRANSDISCIPLINARITY
11:35-12:00	Elena GHERASIM , <i>MSU, Institute of Zoology, ICSPU</i> DIVERSITY OF THE HELMINTH FAUNA OF THE AMPHIBIAN SPECIES <i>BUFO BUFO</i> AND <i>BUFO VIRIDIS</i> IN THE ECOSYSTEMS IN THE REPUBLIC OF MOLDOVA

12:00-12:25	Yurii SHAPRAN , <i>Hryhorii Skovoroda University in Pereiaslav, Ukraine</i> ORGANIZATION OF SCIENTIFIC RESEARCH IN THE PROCESS OF PROFESSIONAL TRAINING OF NATURAL SCIENCES SPECIALISTS
12:25-12:50	Andra-Cristina ENACHE, Corneliu COJOCARU, Petrisor SAMOILA , <i>"Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania</i> CHITOSAN-BASED ADVANCED MATERIALS FOR WASTEWATER TREATMENT: A COMPARATIVE STUDY ON ADSORPTION EFFICIENCY AND MOLECULAR INTERACTIONS
12:50-13:15	Antoaneta ENE , <i>"Lower Danube" University from Galati, Romania</i> OUTDOOR GAMMA DOSE RATE IN URBAN SITES – IMPACT OF CONSTRUCTION MATERIALS USED FOR INFRASTRUCTURE DEVELOPMENT
13:15 - 14:00	LUNCH BREAK
14:00-19:00	COMMUNICATION SESSION IN SECTIONS

SECTION I
CURRENT ACHIEVEMENTS IN CHEMISTRY AND ENVIRONMENTAL PROTECTION

Access link: <https://meet.google.com/erx-wwrk-sei>

Moderator: **Ion ARSENE**, Associate Professor, PhD, ICSPU
Victor CIORNEA, University Lecturer, PhD, ICSPU

Name, surname	Title of the presentation	Country
Beleaev Ecaterina	HIRSHFELD SURFACE ANALYSIS OF A NEW BINUCLEAR Co(II)-PIVALATE COMPOUND WITH ISONICOTINAMIDE	Republic of Moldova
Borodin Natalia Zubcov Elena Bagrin Nina	WATER QUALITY OF THE BOTNA RIVER AND INFLUENCE ON THE DNIESTER RIVER	Republic of Moldova
Capbățut Olga	ANALYSIS OF THE CRYSTAL STRUCTURE AND INTERMOLECULAR INTERACTIONS IN A Cu(II) PIVALATE COMPOUND WITH ISONICOTINAMIDE BY THE HIRSHFELD METHOD	Republic of Moldova
Charushnikava Hanna Jeleapov Victor Cociu Irina	ANALYSIS OF THE POSSIBILITY OF EXTRACTING VALUABLE COMPONENTS FROM HYDROMINERAL RAW MATERIALS IN THE REPUBLIC OF MOLDOVA BASED ON INTERNATIONAL EXPERIENCE	Republic of Moldova
Chitală Roxana Delia Cioancă Oana	ANTIOXIDANT ACTION OF <i>LESPEDEZA CAPITATA</i> EXTRACT	Romania

Craciun Nicoleta Melnic Elena Fonari Marina	CRYSTAL STRUCTURE AND HIRSHFELD SURFACE ANALYSIS OF Cd(II) COORDINATION POLYMER WITH ADIPIC ACID	Republic of Moldova
Danilescu Olga Bulhac Ion Cocu Maria Bouroş Paulina Ciumacov Iurii	INFLUENCE OF NONCOVALENT INTERACTIONS ON THE SUPRAMOLECULAR ARCHITECTURE OF MONONUCLEAR COORDINATION COMPOUNDS OF Co(II)	Republic of Moldova
Gheorghiu Claudia Melentiev Eugenia	THE VALORIZATION OF THE PHYSICO-CHEMICAL INDICATORS OF CERTAIN VEGETABLE OILS, COMPARATIVE ASPECTS, AND THE PRACTICAL USE OF WALNUT OIL	Republic of Moldova
Ghirciac Ghenadie	THE CIORNA RIVER – THE CREATOR OF THE GREAT GORGE: ANALYSIS OF THE CURENT STATE	Republic of Moldova
Gorbachev Mikhail Gorinchoy Natalia Balan Iolanta	KEY ROLE OF THE HIGH-ENERGY TAUTOMER OF CARNITINE IN ITS REACTION WITH GENTISIC FOOD ACID: DFT STUDY	Republic of Moldova
Gorobeţ Anastasia	STRUCTURAL INVESTIGATION AND HIRSHFIELD SURFACE ANALYSIS OF 3-AMINOACETOPHENONE	Republic of Moldova
Marin George-Alexandru Lungu Ionut-Iulian Ochiuz Lacramioara Stefanache Alina	AD ASTRA PER ASPERA: ASTROPHARMACY – OVERCOMING TERRESTRIAL BOUNDARIES	Romania
Mândru Alexandra Balan Aruna Lungu Ionuţ Iulian	DETERMINATION OF AMMONIUM ION IN VARIOUS WATER SOURCES – IMPACT ON DRINKING WATER QUALITY	Romania
Melnic Elena Ratnicova Anastasia Bouroş Pavlina	SYNTHESIS AND CRYSTAL STRUCTURE OF A NOVEL COMPLEX WITH 2,3-BIS(2-PYRIDYL)PYRAZINE	Republic of Moldova
Povar Igor Spînu Oxana	THERMODYNAMIC ASSESSMENT OF SYNERGISTIC AND ANTAGONISTIC EFFECTS IN METAL SOLVENT EXTRACTION	Republic of Moldova
Purcel Viorica Arsene Ion	STUDY OF MOLECULAR STRUCTURES OF HIGHLY STABLE CONFORMERS OF ASCORBIC ACID	Republic of Moldova
Ureche Dumitru Bulhac Ion Bouroş Pavlina	SYNTHESIS AND CRYSTALLINE STRUCTURE OF THE COCRYSTAL (2-O ⁻ -PYH ⁺) ₂ ·(2,6-PYDCH ₂)	Republic of Moldova
Vutcariov Silvia Melentiev Eugenia	STUDY OF PHYSICOCHEMICAL INDICATORS OF QUALITY AND CONTENT OF HEAVY METALS IN HONEY COMPONENTS OF SOME LOCAL TYPES OF BEEKEEPING	Republic of Moldova

SECTION II
BIODIVERSITY AND ECOLOGY

Access link: <https://meet.google.com/kqu-cohv-epf>

Moderator: **Boris NEDBALIUC**, Associate Professor, PhD, ICSPU
Sofia GRIGORCEA, Associate Professor, PhD, ICSPU

Name, Surname	Title of the presentation	Country
Balacci Sergiu Ciochină Valentina Balan Ion	INTRUSIONS INTO BIODIVERSITY: A HUMAN-CENTERED ASSESSMENT OF EVOLUTION	Republic of Moldova
Belous Ștefan	ALLIACEAE (LILIOPSIDA) SPECIES IN THE „CĂRBUNA” LANDSCAPE RESERVE	Republic of Moldova
Belous Ștefan	ALLIACEAE (LILIOPSIDA) SPECIES IN THE „CĂRBUNA” LANDSCAPE RESERVE	Republic of Moldova
Bivol Alexei Iurcu-Străistaru Elena Cîrlig Natalia	INVESTIGATIONS ON LEAF DISEASES OF WINTER WHEAT WITH ELEMENTS OF CHEMICAL MANAGEMENT IN THE ENVIRONMENTAL CONDITIONS OF THE CENTRAL AREA, REPUBLIC OF MOLDOVA	Republic of Moldova
Bogdan Alina Colțun Maricica	BIOMORPHOLOGICAL PECULIARITIES OF THE AROMATIC SPECIES <i>ARTEMISIA ABROTANUM</i> L. THUNB UNDER THE CONDITIONS OF THE REPUBLIC OF MOLDOVA	Republic of Moldova
Caldari Vladislav Nistoreanu Victoria Larion Alina Dibolscaia Natalia	DIVERSITY OF BAT SPECIES FROM UNDERGROUND SITES IN CĂPREȘTI AND BĂRNOVA	Republic of Moldova
Certan Corina Grabco Nadejda	FLORISTIC DIVERSITY IN THE CIMIȘLIA URBAN ECOSYSTEM	Republic of Moldova
Cîrlig Natalia Țîței Victor Guțu Ana	BIOLOGICAL PECULIARITIES AND POSSIBLE USES OF <i>RAPHANUS SATIVUS</i> L. VAR. <i>OLEIFERA</i> METZG.	Republic of Moldova
Colțun Maricica Bogdan Alina	STUDY OF THE BIOLOGY AND ESSENTIAL OIL CONTENT OF <i>THYMUS PRAECOX</i> OPIZ - SPECIES INTRODUCED AND RESEARCHED IN THE BOTANICAL GARDEN	Republic of Moldova
Curșunji Dmitri Ganea Anatolie	STUDY THE YIELD CONTRIBUTING CHARACTERS IN CHICKPEA (<i>CICER ARIETINUM</i> L.) BREEDING GENOTYPES	Republic of Moldova
Drumea Dumitru	NUTRIENT MANAGEMENT IN THE LOW PRUT REGION IN THE REPUBLIC OF MOLDOVA	Republic of Moldova

Debelaiia-Buracinschi Svetlana		
Florența Veronica Florența Gheorghe	MAPPING WOODY VEGETATION IN CIMIȘLIA DISTRICT USING THE ESA/WORLDCOVER V200 MAP	Republic of Moldova
Ghendov Veaceslav Izverscaia Tatiana Cassir Polina	<i>POLYPOGON MONSPELIENSIS (L.) DESF. (POACEAE BARNHART)</i> NEW SPECIES FOR THE FLORA OF REPUBLIC OF MOLDOVA	Republic of Moldova
Jardan Natalia	THE EXCESSIVE IMPACT OF OVERPOPULATION OF DEER IN THE PROCESS OF REGENERATION OF THE ARBORETS	Republic of Moldova
Jigău Gheorghe Dobrojan Sergiu Dobrojan Galina	THE PLACE AND ROLE OF INTERCROPPING IN THE BIODIVERSIFICATION OF AGRO-BIOCENOTICAL AGRO-ECOSYSTEMS (conceptual-applicative approach)	Republic of Moldova
Liogchii Nina Fasola Regina Motelica Liliana	CONSERVATIVE VALUE OF BIOTIC ELEMENTS FROM THE EMERALD SITE "PADUREA HÎRBOVĂȚ"	Republic of Moldova
Marin George-Alexandru Lungu Ionut-Iulian Cioanca Oana Stefanache Alina	GREEN REMEDIES: THE USE OF ADAPTOGENIC PLANTS AGAINST RADIATION SICKNESS	Romania
Mihăilă Victoria Brindza Ján	EVALUATION OF THE RESISTANCE OF SOME SPECIES OF THE GENUS CUPHEA TO THE ACTION OF THERMAL SHOCK	Slovakia Republic of Moldova
Pînzaru Pavel	CONTRIBUTIONS TO THE STUDY OF THE <i>EPILOBIO HIRSUTI-EQUISETETUM TELMATEIAE</i> DE FOUCAULT IN ROYER & AL. 2006 (<i>SENECIONION FLUVIATILIS</i> TX.	Republic of Moldova
Rusu Ștefan Erhan Dumitru Toderaș Ion Zamornea Maria Chihai Oleg Rusu Viorelia	INCIDENCE OF ENDOPARASITOSEs IN PHEASANT (<i>Phasianus colchicus</i>) FROM THE CENTRAL REGION OF THE REPUBLIC OF MOLDOVA	Republic of Moldova
Sășco Elena	TOLERANCE OF COMMON WHEAT TO PEG 6000-MEDIATED DROUGHT AT EARLY GROWTH STAGE	Republic of Moldova
Sfeclă Victor	THE ASSOCIATION OF <i>SAMBUCO NIGRAE-QUERCETUM ROBORIS</i> (GER. HOFM. 1965) H. PASSARGE ET GER. HOFM. 1968 (<i>FRAXINO-QUERCION ROBORIS</i> H. PASSARGE & GER. HOFM.	Republic of Moldova

	1968) IN THE “DOBRUŞA” LANDSCAPE RESERVE, REPUBLIC OF MOLDOVA	
Titica Ghenadie Pavliuc Alina Fetcu Tatiana	FLORA OF THE „PIETROSU MEADOW”	Republic of Moldova
Țîmbalî Valentina Rogacico Sergiu	THE COLLECTION OF PLANTS OF FAM.ARACEAE JUSS. IN THE NATIONAL BOTANICAL GARDEN (Institute) „AL. CIUBOTARU”	Republic of Moldova
Войняк Ина	NEW TAXA IN THE COLLECTION OF ORNAMENTAL BULBOULUS PLANTS OF THE NATIONAL BOTANICAL GARDEN (INSTITUTE) „ALEXANDRA CUBOTARU”	Republic of Moldova
Здиорук Нина Платовский Николай	THE INFLUENCE OF TEMPERATURE STRESS ON THE VIABILITY OF BEECH (<i>FAGUS SYLVATICA</i> L.) FROM DIFFERENT GEOGRAPHICAL REGIONS	Republic of Moldova
Лифенко Юрий	BIODIVERSITY OF THE GENUS HEDERA L. IN THE COLLECTION OF THE NATIONAL BOTANICAL GARDEN (INSTITUTE) „ALEXANDRU CIUBOTARU”	Republic of Moldova
Тодираш Наталия	FIRST RESULTS OF PHENOLOGICAL OBSERVATIONS OF REPRESENTATIVES OF THE CACTACEAE FAMILY JUSS. AT THE NATIONAL BOTANICAL GARDEN (INSTITUTE) NAMED AFTER A. CHUBOTAR	Republic of Moldova

SECTION III

NEW MATERIALS AND BIOTECHNOLOGIES

Access link: <https://meet.google.com/hnt-yfmk-bsu>

Moderator: Viorica COADĂ, Associate Professor, ICSPU
Lora MOŞANU-ŞUPAC, Associate Professor, ICSPU

Name, surname	Title of the presentation	Country
Amanda Stefanie Jabur de Assis Juliana Cristina de Oliveira Ramos Iolanda Cristina Silveira Duarte	ANTIMICROBIAL POTENTIAL OF GALLIUM NITRATE AGAINST <i>STAPHYLOCOCCUS AUREUS</i> : INHIBITION OF PLANKTONIC GROWTH AND BIOFILM FORMATION ON TITANIUM SURFACES	Brazil
Bîrsa Maxim Balan Ludmila Bogdan-Golubi Nina	ACTINOBACTERIA WITH ANTAGONISTIC PROPERTIES AGAINST	Republic of Moldova

Moldovan Cristina	REPRESENTATIVES OF THE GENUS <i>FUSARIUM</i>	
Ciocârlan Nina	<i>EX SITU</i> CONSERVATION AND RESEARCH OF THE MEDICINAL PLANT GENE POOL IN THE BOTANICAL GARDEN: THE GENUS <i>DIGITALIS L.</i>	Republic of Moldova
Cuțitaru Doina Harcuic Oleg Ganea Anatolie Brindza Ján	ASSESSMENT OF FLAX PROGENIES OBTAINED BY INDUCED MUTAGENESIS, WITH GAMMA RAYS BY OIL CONTENT	Slovakia
Dobrojan Galina	THE PREMISES FOR USING WASTE FROM ZOOTECHNICAL COMPLEXES IN CULTIVATION OF <i>CHLORELLA VULGARIS</i> ALGAE	Republic of Moldova
Giovanni Miraveti Carriello Lucas Repecka Alves Giovanni Pimenta Mambrini	CATALYTIC ACTIVITY OF HFO ₂ AND REDOPED HFO ₂ IN BENZYL ACETATE SYNTHESIS	Brazil
Guilherme Manassés Pegoraro Amanda Stefanie Jabur de Assis Giovanni Pimenta Mambrini	ZRO ₂ AND FE/ZRO ₂ AS HETEROGENEOUS CATALYSTS FOR THE ESTERIFICATION OF OLEIC ACID AND ETHANOL	Brazil
Henrique Lopez Lucas Alves Aparecido De Menezes	SUSTAINABLE POLYURETHANE PRODUCTION FROM POLYOL OF HYDROXYPROPYLATED CASSAVA STARCH	Brazil
Jarcău Mihaela Poroch Serițan Maria Ghinjul Alexandra	RUBY CHOCOLATE PRALINES – CRACKING AND FAT BLOOM EFFECTS	Romania
Juliana Cristina Ramos Guilherme Manassés Pegoraro Iolanda Cristina Silveira Duarte	ANTIMICROBIAL POTENTIAL OF GALLIUM NITRATE AGAINST <i>STAPHYLOCOCCUS AUREUS</i> : INHIBITION OF PLANKTONIC GROWTH AND BIOFILM FORMATION ON TITANIUM SURFACES	Brazil
Kinga Moldovan Daniel Cruceriu Rakosy-Tican Elena	PHYTOCHEMICAL CHARACTERIZATION AND EVALUATION OF THE BIOLOGICAL ACTIVITIES OF <i>ALLIUM URSINUM</i> (WILD GARLIC) EXTRACTS	Romania
Leorda Ana Furdui Vlada Tolstenco Dorina	APPROACHES TO THE DEVELOPMENT OF PHYTOCOMPLEXES WITH HYPOGLYCEMIC AND PREBIOTIC EFFECTS AND THEIR ROLE IN MAINTAINING THE ORGANISM'S HOMEOSTASIS	Republic of Moldova

Lozinschii Mariana Brînză Lilia Coropceanu Eduard Botezatu Ion	THE IMPORTANCE OF THE COMPOSITION OF THE NUTRITIONAL ENVIRONMENT AND ITS PH IN THE CULTIVATION TECHNOLOGY OF VITRO CULTURES OF BURBERRY	Republic of Moldova
Lucas Repecka Alves Rodrigo Cesar Gomes Maira de Lourdes Rezende Aparecido Junior de Menezes	SYNTHESIS OF POLYOLS VIA OXYPROPYLATION OF CELLULOSE FOR THE PRODUCTION OF POLYURETHANE FOAMS	Brazil
Melnic Victor Dobrojan Sergiu Dobrojan Galina Melnic Angela	MORPHOLOGICAL AND QUANTITATIVE ANALYSIS OF MINT, VICTORIA VARIETY, CULTIVATED IN THE CONDITIONS OF THE REPUBLIC OF MOLDOVA	Republic of Moldova
Mogîlda Anatolii	ASSESSMENT OF IRRADIATED (X-ray) SESAME GENOTYPES BASED ON QUANTITATIVE CHARACTERS IN THE M ₁ GENERATION	Republic of Moldova
Маковей Миланья	THE EFFECT OF MUTANT GENES ON MALE GAMETOPHYTE TRAITS AND RESISTANCE TO TEMPERATURE STRESS OF F ₁ TOMATO HYBRIDS	Republic of Moldova
Платовский Николай	THE INFLUENCE OF INDUCED DROUGHT ON THE DYNAMICS OF CHANGE IN THE CHLOROPHYLL INDEX OF FLAG LEAF IN WHEAT PLANTS (<i>TRITICUM AESTIVUM</i> L.) AND ITS PRODUCTIVITY INDICATORS	Republic of Moldova

SECTION IV

CURRENT TRENDS IN DIDACTICS (EXACT SCIENCES)

Access link: <https://meet.google.com/xhx-drdf-eqm>

Moderator: **Sergiu CODREANU**, Associate Professor, ICSPU
Nadejda CAZACIOC, PhD Student, University Assistant, ICSPU

Name, surname	Title of the presentation	Country
Bazan Natalia Chişca Diana	CHEMICAL EXPERIMENT: THE KEY TO ACTIVE LEARNING AND STUDENT MOTIVATION FOR THE STUDY OF CHEMISTRY	Republic of Moldova

Brănoaea Gabriela Cristina	INCREASING MATHEMATICAL ACQUISITIONS IN HIGH SCHOOL STUDENTS THROUGH PERSONALIZED ITEMS	Romania
Cazacioc Nadejda	THE ROLE OF STEAM EDUCATION IN TRAINING PROFESSIONAL COMPETENCES IN THE FIELD OF NATURAL SCIENCES	Republic of Moldova
Éverton da Paz Santos João Batista dos Santos Junior	PROPOSAL FOR THE USE OF LESSON STUDY WITH CHEMISTRY TEACHERS	Brazil
Marlene Rios Melo Carla Adriane Lubke Éverton da Paz Santos	AN APPROACH TO THE SUSTAINABLE DEVELOPMENT GOALS IN HIGH SCHOOL BASED ON THE PRODUCTION OF TEXTS	Brazil
Naylson Ferreira Giovanni Miraveti Carriello João Batista dos Santos Junior	THE MODULATION OF SEMANTIC DENSITY AND GRAVITY IN CHEMISTRY TEACHING: STRATEGIES FOR THE CONSTRUCTION OF SCIENTIFIC KNOWLEDGE	Brazil
Podcaliuc Elena	BIOSTIMULATION: PROMOTING THE STEP TOWARDS NATURAL SCIENCES THROUGH ECOLOGICAL PRODUCTS	Republic of Moldova
Șeremet Ileana Simona Frantuzan Ludmila	TENDENCY IN THE DEVELOPMENT OF THE EDUCATIONAL PROCESS IN THE REPUBLIC OF MOLDOVA: SUSTAINABLE LEARNING AND STEM/STEAM APPROACHES	Republic of Moldova
Țurcan Victoria Coropceanu Eduard	THE ROLE OF ANTI-DRUG EDUCATIONAL ACTIVITIES IN THE SUSTAINABLE DEVELOPMENT OF SOCIETY	Republic of Moldova
Urum Stefanida Codreanu Sergiu	THE ROLE OF MOTIVATION FOR ACHIEVEMENT OF LEARNING ACTIVITIES IN CHEMISTRY LESSONS	Republic of Moldova

SECTION V

CURRENT TRENDS IN DIDACTICS (LIFE SCIENCES)

Access link: <https://meet.google.com/utf-bkdo-ipd>

Moderator: **Eugenia CHIRIAC**, Associate Professor, PhD, ICSPU

Nicolae ALUCHI, Associate professor, PhD, ICSPU

Name, surname	Title of the presentation	Country
Chiriac Elena	TRAINING ECOLOGICAL CULTURE IN PRIMARY SCHOOL STUDENTS THROUGH STEAM PROJECTS	Romania
Ciobotaru Ana-Maria Andronache Ion	ECOLOGICAL EDUCATION IN GEOGRAPHY CLASSES: EMPOWERING STUDENTS FOR SUSTAINABLE LONG-TERM LEARNING	Romania
Fețanu Bogdan Anton	THE ROLE OF FORMAL AND NON-FORMAL EDUCATION IN THE DEVELOPMENT OF COMPETENCES IN BIOLOGY	Romania
Florescu Maria Mihaela	STE(A)M TYPE TEACHING IN THE PREPARATORY CLASS – USEFULNESS, NEED, LESSON MODEL	Romania
Postolache Gheorghe Titica Ghenadie Pavliuc Alina	PROBLEMS OF EXPANSION OF NATURAL PROTECTED FOREST AREAS	Republic of Moldova
Rîbac Marina	USING THE „INVERTED CLASSROOM” TECHNIQUE TO INCREASE PUPIL’S MOTIVATION IN CHEMISTRY AND PHYSICS LESSONS	Republic of Moldova
Stratan Natalia	TEACHING STRATEGIES USED IN TEACHING PUNCTUATION	Republic of Moldova
Străjescu Natalia	STRATEGIES FOR TEACHING THE NOVEL <i>CONCERT DIN MUZICĂ DE BACH</i> BY HORTENSIA PAPADAT-BENGESCU	Republic of Moldova
Țânculescu Elena-Camelia	ENHANCING BIOLOGY LESSONS THROUGH EDUCATIONAL PLATFORMS	Romania
Udroiu Adina-Georgiana	METHODS AND TECHNIQUES OF APPROACHING TEACHING – LEARNING – EVALUATION IN THE DISCIPLINE OF BIOLOGY IN ORDER TO TRAIN KEY COMPETENCES	Romania
Yatsenko Volodymyr	HOW THE CONTENT OF SCIENCE EDUCATION WILL CHANGE DUE TO THE GLOBAL RISKS OF TODAY	Ukraine
Фурдуй Влада Ф. Чобану Елена И. Балан Ион В.	THE RELATIONSHIP BETWEEN TEACHERS' OCCUPATIONAL BURNOUT AND INDICATORS OF THEIR BIOLOGICAL AND SOMATO-VEGETATIVE STATUS (REVIEW)	Republic of Moldova

March 2, 2025, 10:00

SECTION VI

THE YOUNG RESEARCHER (International Competition)

Access <https://us06web.zoom.us/j/84932504539?pwd=AhDAPa74frpQhw45ERefyXcUR7rYoG.1>

link: Meeting ID: 849 3250 4539

Passcode: 646982

Moderator: Daniela PLĂCINTA, University Assistant, ICSPU

Nadejda CAZACOIC, PhD student, University Assistant, ICSPU

Research team	Coordinating teacher	Project title	Country
Aftenii Ion	Roșca Vasile	THE VIRTUAL GUIDE FOR THE INDEPENDENCE OF THE BLIND	Republic of Moldova
Agachi Onorina Gopșa Cătălina	Gopșa Olesea	ECO SOAP LEAVES	Republic of Moldova
Andronic Adrian	Ieșeanu Dumitru	ELECTROSHOCK IN SCIENCE – EXPLORING ELECTRICITY AND SAFETY	Republic of Moldova
Anghel Dumitrița	Talmaci Natalia	PREVENTION OF SPINE DEFORMATIONS AND DISEASES OF THE LOCOMOTOR SYSTEM THROUGH A HEALTHY LIFESTYLE AND A BALANCED DIET	Republic of Moldova
Arbuz Ana	Gaideic Ludmila	THE EFFICIENCY OF WATER FILTERS MADE OUT OF BIOLOGICAL MATERIALS: ECOLOGICAL SOLUTIONS FOR WATER FILTRATION	Republic of Moldova
Argint Maxim Guiban Denisa Doncă Milena	Secrier Oxana	USE OF ALTERNATIVE ENERGY SOURCES AND DEMONSTRATION OF THEIR EFFICIENCY	Republic of Moldova
Arseni Casidi Albu Augustin	Adriana Poștari	NATURAL SHAMPOO – AN EFFECTIVE SOLUTION FOR SCALP HEALTH VS. COMMERCIAL SHAMPOOS	Republic of Moldova
Bădăi Sorina Elena	Popescu Adriana	THE UNSUSPECTED POTENTIAL OF WASTE FEEDING	Romania

Băitoi Mirela Cebotaru Eva-Maria	Tamara Postolache	LABORATORY CULTIVATION OF SACCHAROMYCES CEREVISAIE YEASTS STRAIN TO OBTAIN HEALTHY BREAD	Republic of Moldova
Băjireanu Dan	Gaideic Ludmila	THE IMPACT OF CARBONATED SOFT DRINKS ON HEALTH : ANALYSIS OF COMPOSITION AND LONG-TERM EFFECTS	Republic of Moldova
Belecci Alexandra Pîrțu Arina Țurcan Ariana Țurcanu Cosmin	Marcoci Nicoleta	INNOVATION AT THE RHYTHM OF LIFE	Republic of Moldova
Bernic Gabriela Buchi Cătălina	Rujavnița Irina	OBTAINING NATURAL SPICES FROM BIO PRODUCTS GROWN AT HOME	Republic of Moldova
Bogdan Denis Cristal Ciprian	Cîrliciuc Mariana	ROBOSIGN	Republic of Moldova
Bora Bogdan Alex	Teodorescu Gabriel Nicolae	EXPERIMENTAL STATION FOR MONITORING CLIMATIC ACTIVITIES AND THE ELECTROMAGNETIC FIELD; OML MULTI-GAUSSIAN MODEL	Romania
Botnari Cristian Glinschi Bogdan	Pogurschi Valeriu	STUDY OF ORGANOLEPTIC PROPERTIES AND SOME PHYSICO-CHEMICAL INDICES IN DIFFERENT VARIETIES OF OILS	Republic of Moldova
Boț Evelina Munteanu Ana	Vlas Norinela Ostapovici Elena	HEALTH RISK: MICROPLASTIC POLLUTION FROM TEA BAGS. .	Republic of Moldova
Bulubica Bianca	Guzun Rodica	ANALYSIS OF HOUSEHOLD CHEMICALS: LABELING INFORMATION, RISKS, AND HEALTH IMPACT	Republic of Moldova
Busuioc Andreea Aftenii Ion Sava Cristian	Roșca Natalia Roșca Vasile	NATURAL BIOSURFACTANTS: AN ECOLOGICAL SOLUTION FOR A SUSTAINABLE ENVIRONMENT	Republic of Moldova
Cara Antonina Arnaut Dmitri Țveatcov Roman	Onica Marina Ceban Marina	A WARM LOOK AT ECOLOGY	Republic of Moldova
Cazacu Bogdana Malic Andrian	Chișca Diana	OBTAINING ACTIVATED CARBON FROM WALNUT SHELLS – A SUSTAINABLE METHOD OF RECYCLING BIOMASS	Republic of Moldova

Cebanu Laura	Agachi Mariana	CAPITALIZING ON NATURAL COMPOUNDS IN THE SYNTHESIS OF COSMETIC PRODUCTS FOR THE CARE AND MAINTENANCE OF A NATURAL AND AESTHETIC COMPLEXION	Republic of Moldova
Cercel Nicoleta Braguța Gabriela Berzan Ana Temciuc Vitalina Costiuc Sabrina Leahu Dumitrița Tanas Mădălina	Afteni Nina	WHITE NOISE: HELP OR HINDRANCE IN THE LEARNING PROCESS?	Republic of Moldova
Cernei Ovidiu	Istrati Mariana	THE EFFECT OF CARBONATED DRINKS ON TOOTH ENAMEL	Republic of Moldova
Cernovscaia Vera	Saranciuc Ana	ALUMINUM AND ITS WONDERS	Republic of Moldova
Chelba Cristiana Ilinca Tamas Adelin Alexandru	Frigură Elena	DETECTING SMOKE FROM THE LUNGS USING THE ARDUINO APPLICATION	Romania
Ciobu Ilinca Ipatova Alexandra	Vlas Norinela Ostapovici Elena	THE STUDY OF THE CHEMICAL PROPERTIES OF SOME FOOD PRODUCTS AND THE DETERMINATION OF THE MICROORGANISMS IN THEIR COMPOSITION	Republic of Moldova
Ciornîi Emiliana Indoitu Irina Secara Gabriela	Gîncu Eugenia Bludaru Viorica	CHEMSPARK: THE TABLE THAT GUIDES YOUR LEARNING	Republic of Moldova
Ciubotaru Mădălina Mîrza Vladalina Borodin Delia Matfei Evelina	Sergheev Liliana	DETERMINATION OF THE FREE ACIDITY OF VINE OIL, BY TITRATION IN THE PRESENCE OF INDICATOR	Republic of Moldova
Ciubuc Vasile	Ciuvaga Victor	HUMIDITYSENSE	Republic of Moldova
Cogîlnicenu Alexandru Josan Dragoș	Cîrliciuc Mariana	AGROBOT	Republic of Moldova
Cojocaru Denis-Andrei	Andronic Daniela	3D GEOMETRIC OPTICAL ILLUSION VERSUS REALITY	Romania

Bălan Eduard-Matei			
Colesnic Alexandrina Mutruc Maxim	Chiprisean Irina	THE FUTURE IS CHARGING	Republic of Moldova
Costețchi Adriana	Busuioc Anna	CHEMISTRY AND THE ART OF FIREWORKS	Republic of Moldova
Cozma Andrian Cornea Mihai Bordiuenco Andrei	Ostapovici Elena	3D PRINTING AND THE USE OF LASER IN MAKING THE LED LIGHTED WATCH	Republic of Moldova
Cravcenco Medina	Ieșeanu Dumitru	CHANGING THE THERMAL STATE OF LIQUIDS WITH DIFFERENT DENSITIES AT DIFFERENT TEMPERATURES	Republic of Moldova
Cristian Mihaila Sîrghe Mihai	Cîrliciuc Mariana	„INTELLIECOSYSTEM” - THE ECOSYSTEM THAT STIMULATES CONNECTIONS BETWEEN STUDENTS, TEACHERS AND INFORMATION	Republic of Moldova
Cuciuc Gabriela Leahu Sorin Pogor Milena Novac Ion Cerlat Cristian Digol Petru Leahu Ion Bradu Alexandrina Timuș Nicoleta Postica Ian-Marius	Afteni Nina	THE INFLUENCE OF EYE COLOR ON LIGHT SENSIBILITY, SCHOOL PERFORMANCE AND SUDENTS' PERSONALITY	Republic of Moldova
Damian Daniela Istrati Bianca	Stahi Tatiana	AERECOSMART- TECHNOLOGY, COMFORT, ECONOMY	Republic of Moldova
Dan Ștefan Dogărescu Teodora Grigore Eduard Memet Amir-Enes Misircu Tina-Karina Siret Luca- Alexandru Zevri Matei-Tudor	Radu Simona- Larisa	G-SHIFT - CRYSTAL GROWTH UNDER VARIABLE GRAVITATIONAL FORCE INFLUENCE	Romania
Deșan Dumitru	Ciuvaga Victor	THE COSTUME FOR BLIND PEOPLE	Republic of Moldova

Dița Patricia Roibu Alexandrina	Motruc Ala Donțu Valentina	„SOIA PLUS” – INNOVATION AND SUSTAINABILITY IN EVERY CANDLE	Republic of Moldova
Dobînda Alexandru Negura Maxim	Brînză Marianna	GENERATOR ON TWO WHEELS: HOW WE TRANSFORM MOVEMENT INTO A SOURCE OF ENERGY AND HEALTH.	Republic of Moldova
Dogoter Francesca Dogoter Almira Zestrea Bogdan Bernic David	Bargan Violina	WATERSEER IN ACTION: INNOVATIVE WATER HARVESTING SOLUTIONS	Republic of Moldova
Duca Zlata Aparatu Maria	Olari Victoria Motruc Ala	ECO-SCHOOL: SUSTAINABLE WATER HEATING USING SOLAR ENERGY	Republic of Moldova
Godonoagă Gabriela	Sergheev Liliana	CHEMISTRY OF COLORS	Republic of Moldova
Gulimov Andrei	Cicanci Alexandra	THE EXPLORING OF NATURAL DYE CHEMISTRY AND ITS APPLICATION IN TEXTILE COLORING	Republic of Moldova
Guțuțui Elena Cudalb Medeea	Saranciuc Ana Butnari Lilia	METHANE, PROPANE, OCTADECANE – VALUABLE ALKANES	Republic of Moldova
Hlihor David Curuliuc Cosmin	Găină Larisa Rotaru Cristina- Patricia	THE NATURAL SOAP IN CONCEPT STEAM	Romania
Iurcu Otilia	Chișca Diana	EXTRACTION OF ESSENTIAL OILS TO CREATE PERFUMES	Republic of Moldova
Jurea Robert Răileanu Nichita Romanciuc Mirela Vasilachi Daniel	Crangaci Olesea	CHIȘINĂU – A SUSTAINABLE CITY	Republic of Moldova
Leu Daniela	Ieșeanu Ecaterina	PHARMACOKINETICS OF DRUGS: CALCULATION OF OPTIMUM DOSES. APPLICATION OF INTEGRALS IN PHARMACOKINETIC MODELS	Republic of Moldova
Logaciova Alina- Alexandra	Sergheev Liliana	THE IMPACT OF CARBON DIOXIDE ON THE BODY	Republic of Moldova
Lungu Mădălina Pleșcan Mădălina	Gromațchi Angela Rusu Raisa	ECOLOGICAL ORCHARD	Republic of Moldova

Macoveanu Matia Claudia Făinărea Constantin Alexandru	Udroiu Adina Georgiana	THE EFFECTS OF THE CONSUMPTION OF ENERGY DRINKS ON THE PHYSICAL AND MENTAL STATE OF ADOLESCENTS	Romania
Maldur Camelia	Ieșeanu Dumitru	EXPLORING PHYSICAL CHANGES THROUGH ICE CUBES WITH DELICIOUS FLAVORS	Republic of Moldova
Manastîrlî Iana	Coltuclu Olesea	A N AMAZING PRODUCT- SERUM	Republic of Moldova
Marjinean Daria Macovei Nicoleta Burca Vlada	Busuioc Anna	CHEW AND LEARN: STEAM THROUGH CHEWING GUM	Republic of Moldova
Neamtu Lilian Coval Damian	Ciuvaga Victor	RECYCLING OF POLYPROPYLENE PIPES AND NEW TECHNOLOGIES	Republic of Moldova
Nișcov Carla	Sava Aliona Mihaela	UNVELING THE SECRET OF BONE HEALTH WITH OSTEODENSITOMETRY	Romania
Orlețchi Bogdan Tilipeț Dumitru	Talmaci Natalia	THE FUNDAMENTAL ROLE OF CHEMISTRY IN DAILY LIFE	Republic of Moldova
Panaitachi Dmitrii	Coltuclu Olesea	IS FAST FOOD A FAD OR A NECESSITY	Republic of Moldova
Parascan Dumitrița Ciobanu Felicia	Rujavnița Irina	DETERMINATION OF PH IN DIFFERENT TYPES OF BEVERAGES.	Republic of Moldova
Parfeni Inga Cecan Sebastian	Lozinschii Mariana	ECHIGLOW: CREATING A PLANT-BASED FACE TONIC	Republic of Moldova
Patrașcu Damian Leșanu Vladislav Istrati Damian Fiștic Damian Revețchi Damian Patrașcu Anghelina	Gîrlă Jana	AIR PURIFIER – PIXIBOT	Republic of Moldova
Patraulea Luca Varlan Stefan	Sava Aliona Mihaela	NATURAEXPLORER – MOBILE ENVIRONMENTAL MONITORING ROBOT WITH SOLAR POWER	Romania
Pavalache Vlad- Gabriel Herțanu Evelin	Seceleanu Andrea Cristina	EFFECTS OF SOIL PROPERTIES ON BEAN SEED GERMINATION	Romania

Manolache Briana-Maria Lăcătușu Riana			
Plop Iulian Sindila Ionela Musteata Valeria	Ciuvaga Victor	PLASTIC RECYCLER	Republic of Moldova
Podcaliuc Anastasia	Podcaliuc Elena	ECOLOGICAL ART THROUGH THE DEVELOPMENT AND APPLICATION OF NATURAL COLORS	Republic of Moldova
Podcaliuc Irina	Podcaliuc Elena	HYDRATION AND HEALING: DERMATOLOGICAL HEALTH PRODUCTS	Republic of Moldova
Postolache Andreea	Nichifor Diana	NATURAL SERUMS CREATED IN DOMESTIC CONDITIONS - A HEALTHY ALTERNATIVE TO INDUSTRIAL COSMETICS	Republic of Moldova
Potop Ștefania Bususioc Marina	Bordea Gina	THE INVISIBLE DANCE OF WATER: DISCOVERING OSMOSIS WITH AN EGG IN HONEY AND WATER	Romania
Prepeleța Alexandra	Pîslaraș Angela	MEDICINAL PLANTS USES AND HEALTH BENEFITS	Republic of Moldova
Prepeleța Alexandra	Pîslaraș Angela	PLASTIC RECYCLING	Republic of Moldova
Rusnac Cornel Bairac Ștefan Bantîș Laurențiu Bogaci Sergiu Fortuna Andrei Gadîmba Vasile Gîrtopan Alex Lișciuc Roman Scutelnic Daniil	Bairac Natalia	ARDUINO APPLICATION FOR IRRIGATING A GARDEN	Republic of Moldova
Rusu Valeria Albu Andreea Victoria	Gromațchi Angela	VERMICOMPOSTER, THE ECOLOGICAL WASTE MANAGEMENT SOLUTION	Republic of Moldova
Sandul Patricia Patrașcu Stanislav	Donțu Valentina Ceban Lilia	INNOVATION AND SUSTAINABILITY: THE USE OF SAND IN ENERGY PRODUCTION	Republic of Moldova

Secrieru Ștefan	Cuibar Constantin	ECHOCAP-A CAP FOR THE BLIND	Republic of Moldova
Shkut Valeriu Lupușor Milena	Pîslaraș Angela	DETERGENTS AND HUMAN HEALTH	Republic of Moldova
Smisarciuc Alexandrina	Dorogan Elena	THE SCENT OF AROMAS PREPARATION OF ORGANIC PERFUMES	Republic of Moldova
Spătaru Ionuț Plămădeală Ștefan	Cîrliciuc Marina	„ELAI” ONLINE CHEMISTRY ASSISTANT	Republic of Moldova
Tamazlîcari Vladislav Chimacovschi Egor	Tataru Angela	INTELLIGENT GREENHOUSE - AN INNOVATIVE SOLUTION FOR THE CONTEXT OF CLIMATE CHANGE	Republic of Moldova
Temciuc Mihaela Postica Patrisia Rusu Nicoleta Cuciuc Maria- Magdalena Greco Andreea Novac Anastasia	Afteni Nina	EFFECTS OF PROLONGED HEADPHONE USE ON HEARING HEALTH AMONG HIGH SCHOOL STUDENTS FROM IP „NICOLAE DONICI” THEOTERICAL HIGH SCHOOL	Republic of Moldova
Timofti Maxim	Toporivsaia Mariana	MICROBIOLOGICAL MONITORING OF AIR QUALITY DURING THE SCHOOL DAY	Republic of Moldova
Tofan Cezar Zgîrbaci Cezara Cebotari Elena	Ciuvaga Victor	SMART INTERSECTION	Republic of Moldova
Ungureanu Teodor	Cujba Lilia	GREEN IN THE GROUP: WE GENERATE ENERGY AND CHANGE	Republic of Moldova
Ursu Laura Popa Melisa	Rotari Victoria	THE GREEN PARKS OF THE FUTURE	Republic of Moldova
Vasilache Victoria Babin Evelina	Mișelea Stela	EFFECTS OF SMOKING ON LUNG CAPACITY AND HEART RATE RECOVERY DURATION IN YOUNG PEOPLE	Republic of Moldova
Vedeanu Daniela Slobozeanu Gabriel	Borzin Olga	DETERMINATION OF THE CHEMICAL COMPOSITION OF FIZZY DRINKS AND THEIR EFFECT ON THE HUMAN BODY	Republic of Moldova

Vîrlan Anastasia Gotca Silvia Tcaciuc Anastasia Mardari Nicoleta Paladi Lia- Nicoleta Fetcu Laura	Ureche Dumitru	THE 3D PERIODIC TABLE OF THE ELEMENTS - AN INNOVATIVE APPROACH TO CHEMICAL SCIENCE	Republic of Moldova
Vodă Mihail	Mariana Istrati	STUDYNG THE INCUBATION AND GROWTH PROCESS OF QUAILS IN ECO-FRIENDLY, DOMESTIC CONDITIONS: A RIVETING EXPERIENCE	Republic of Moldova
Vrabii Francesca	Ieșeanu Dumitru	AROMATIC ALCHEMY: EXPERIMENTS WITH NATURAL ESSENCES	Republic of Moldova
Vrabii Jesica	Ieșeanu Dumitru	ALCHEMY OF COLORS: CREATIVE EXPERIMENTS WITH COLOR MIXTURES	Republic of Moldova
Vulpe Laurențiu Moisei Nichita Godoroja Petru	Godoroja Veronica	SMART GREENHOUSE	Republic of Moldova
Zazulea Ana-Maria Damian Marina	Guzgan Natalia	NATURAL SOAP IN THE ERA OF SUSTAINABILITY: CHALLENGES AND OPPORTUNITIES	Republic of Moldova