

**Interreg**



Co-funded by  
the European Union

**NEXT** Black Sea Basin

**Smart4Rural**

International Scientific Conference

# “Smart Solutions in Urban and Rural Resilience”

April 27-28, 2026 | Kutaisi, Georgia

**PROGRAM**

Akaki Tsereteli State University

The **International Scientific Conference “Smart Solutions in Urban and Rural Resilience”** is organized within the framework of the project **“Smart and Innovative Solutions for Green and Clean Rural Areas in the Black Sea Basin – Smart4Rural,”** implemented under the **Interreg NEXT Black Sea Basin Programme.**

The Conference is organized on **April 27-28.2026** at **Akaki Tsereteli State University**, Kutaisi, Georgia (Address: 59, Tamar Mepe St., Kutaisi, Georgia)

### **Conference Organizers**

The conference is organized by the project partners:

- **Tskaltubo Municipality, Georgia** – Lead Partner
- **Tehnopol Galați Association, Romania**
- **Ungheni City Hall, Moldova**
- **Rize Municipality, Türkiye**
- **Imereti Scientists’ Union “Spectri,” Georgia**
- **Regional Centre of Sustainable Development, Moldova**

The conference co-organizer: **Akaki Tsereteli State University**, Georgia



The digital version of the proceedings and program is available on the project website: <https://wmp.framer.website/scientific-conference>

# AGENDA

## **April 27, 2026**

- 10:30–11:00 Registration of Participants; Coffee/Tea
- 11:00–11:20 Opening Ceremony and Welcome
- 11:20–12:30 Plenary Scientific Session
- 12:30–13:00 Coffee Break
- 13:00–14:00 Plenary Session
- 14:00–15:00 Lunch
- 15:00–16:00 Parallel Scientific Sessions (including online presentations)

## **April 28, 2026**

- 10:00–10:30 Poster Session
- 10:30–11:30 Parallel Scientific Sessions
- 11:30–12:00 Coffee Break
- 12:00–13:00 Closing Session
- 13:00–14:00 Lunch

**April 27, 2026, Monday**

**Conference Day 1**

Venue: Akaki Tsereteli State University, Kutaisi, Georgia

Conference room: 22-208

Address: 59, Tamar Mepe St., Kutaisi, Georgia

<b>10:30 -11.00</b>	Registration of participant. Coffee/Tea
<b>11.00- 11.20</b>	Opening Ceremony. Welcome speeches:  <b>Shalva Kirtadze</b> , Rector of Akaki Tsereteli State University, professor  <b>Genadi Balanchivadze</b> , Mayor of Tskaltubo Municipality
<b>11.20-12.30</b>	<b>Plenary Session</b>
	<b>STRATEGIC VISION AND SYSTEM LEADERSHIP FOR INTEGRATED WASTE MANAGEMENT: THE CASE OF THE REPUBLIC OF MOLDOVA</b>  <b>Iuliana Cantaragiu</b> Green Sage SRL, CEO, former Minister of Environment of the Republic of Moldova, <i>Republic of Moldova</i>
	<b>SMART WASTE MANAGEMENT IN GEORGIA: GRADUAL IMPLEMENTATION AS A SUSTAINABLE ALTERNATIVE TO IMMEDIATE PLASTIC RESTRICTIONS</b>  <b>David Bujiashvili</b> ALTE University of Georgia, Freelance expert on European Affairs, <i>Georgia</i>
	<b>MOLDOVA SOLID WASTE PROJECT</b>  <b>Alexandru Ambros</b> <i>Republic of Moldova</i>
	<b>RURAL RESILIENCE AND EMERGING VULNERABILITIES:THE POLITICAL ECONOMY OF ORGANIC TEA PRODUCTION IN RIZE</b>  <b>Erol Subasi</b> Recep Tayyip Erdogan University, <i>Türkiye</i>
<b>12:30 – 13:00</b>	<b>Coffee Break</b>

13:00 – 14:00	<b>Plenary Session</b>
	<p data-bbox="459 271 1378 371"><b>VOLUNTARY WASTE COLLECTION CENTRES AS A TOOL FOR IMPROVING CIRCULAR WASTE MANAGEMENT SYSTEMS: THE CASE OF THE REPUBLIC OF MOLDOVA</b></p> <p data-bbox="1214 400 1378 427" style="text-align: right;"><b>Denis Parea</b></p> <p data-bbox="1139 439 1378 465" style="text-align: right;">UNDP – EU Project</p> <p data-bbox="799 477 1378 584" style="text-align: right;">" Enabling an Inclusive Green Transition in the Republic of Moldova Project", <i>Republic of Moldova</i></p> <hr/> <p data-bbox="459 651 1378 752"><b>INVENTION TECHNOLOGIES AS A SMART SOLUTION FOR SUSTAINABLE RURAL DEVELOPMENT: CHALLENGES AND OPPORTUNITIES IN GEORGIA</b></p> <p data-bbox="826 786 1378 813" style="text-align: right;"><b><u>Mikheil Kotishadze</u>, Miriani Maglakelidze</b></p> <p data-bbox="1102 824 1378 898" style="text-align: right;">University of Georgia, <i>Georgia</i></p> <hr/> <p data-bbox="459 943 1378 1010"><b>INTEGRATING CHEMICAL SAFETY INTO DESIGN STRATEGIES FOR SAFE CIRCULARITY IN ALUMINIUM-POLYMER PACKAGING</b></p> <p data-bbox="576 1043 1378 1111" style="text-align: right;"><b><u>Tsitsino Turkadze</u>, Tamari Mumladze, Inga Bochoidze, Maka Nikoladze,</b></p> <p data-bbox="979 1122 1378 1189" style="text-align: right;">Akaki Tsereteli State University, <i>Georgia</i></p> <p data-bbox="1166 1200 1378 1227" style="text-align: right;"><b>Ani Putkaradze</b></p> <p data-bbox="1134 1238 1378 1301" style="text-align: right;">University of Porto, <i>Portugal</i></p> <hr/> <p data-bbox="459 1335 1378 1447"><b>EXPLORING PRE-SERVICE SCIENCE TEACHERS' CONCEPTUAL UNDERSTANDING OF CLIMATE RESILIENCE THROUGH A SYSTEMS THINKING PERSPECTIVE</b></p> <p data-bbox="1129 1480 1378 1507" style="text-align: right;"><b>Semanur Akyıldız,</b></p> <p data-bbox="959 1518 1378 1615" style="text-align: right;">Recep Tayyip Erdoğan University, Faculty of Arts and Science, <i>Türkiye</i></p> <p data-bbox="1225 1626 1378 1653" style="text-align: right;"><b>Ayşe Aytar</b></p> <p data-bbox="959 1664 1378 1760" style="text-align: right;">Recep Tayyip Erdoğan University, Faculty of Education, <i>Türkiye</i></p>
14.00 – 15.00	<b>Lunch</b>

15.00 – 16.00	<p><b>Parallel Scientific Session</b>, including online presentations.</p> <p><b>Dissemination Erasmus+ CBHE Projects (GreenEngine, LISS, GastroTour, Enricher-hubs, EU AGM, ETHICS, PRODIGE, SECURE).</b></p>			
Online session	<table border="1"> <tr> <td data-bbox="504 490 799 642">Parallel Session N1</td> <td data-bbox="799 490 1094 642">Parallel Session N2</td> <td data-bbox="1094 490 1410 642">Parallel Session N3</td> </tr> </table>	Parallel Session N1	Parallel Session N2	Parallel Session N3
Parallel Session N1	Parallel Session N2	Parallel Session N3		
15.00 – 16.00	<b>Online presentations session</b>			
	<p><b>GREENHOUSE GAS EMISSIONS REDUCTION THROUGH COMPOSTING: THE CASE OF GEORGIA</b></p> <p style="text-align: right;"><b>Kamran Khan</b> Research Engineer, Pakneftegaz, <i>Pakistan</i></p> <hr/> <p><b>ASSESSMENT OF URBAN HEAT ISLAND EFFECTS IN GALAȚI BASED ON NDVI-LST RELATIONSHIP USING REMOTE SENSING TECHNIQUES</b></p> <p style="text-align: right;"><b>Drasovean Romana,</b> Faculty of Sciences and Environment, “Dunarea de Jos” University of Galati, <i>Romania</i></p> <p style="text-align: center;">European Centre of Excellence on Environmental Issues – ECEE</p> <p style="text-align: right;"><b>Condurache-Bota Simona,</b> Faculty of Sciences and Environment, “Dunarea de Jos” University of Galati, REXDAN Research Infrastructure, Galati, <i>Romania</i></p> <p style="text-align: right;"><b>Murariu Gabriel</b> Faculty of Sciences and Environment, “Dunarea de Jos” University of Galati, REXDAN Research Infrastructure, Galati, <i>Romania</i></p>			

	<p><b>QUANTIFYING THE EFFECT OF THE COVID-19 PANDEMIC RESTRICTIONS ON URBAN PARTICULATE MATTER: EVIDENCE FROM FOUR MAJOR EUROPEAN CITIES</b></p> <p><b><u>Simona Condurache-Bota,</u></b> Chemistry, Physics and Environment Department, Dunarea de Jos University of Galati, RADO-GALATI, REXDAN Research Infrastructure, Dunarea de Jos University of Galati, Romania</p> <p><b>Romana Maria Drasovean,</b> Chemistry, Physics and Environment Department, Dunarea de Jos University of Galati, Romania</p> <p><b>Dora-Elena Condurache-Bota</b> The Faculty of Economic Cybernetics, Statistics and Informatics, Bucharest University of Economic Studies, Romania</p>
	<p><b>THE ROLE OF INTEGRATING RENEWABLE ENERGY SYSTEMS IN MITIGATING CLIMATE CHANGE AND ENVIRONMENTAL PROTECTION</b></p> <p><b>Giorgi Gogia,</b> Akaki Tsereteli State University, Kutaisi, Georgia</p>
	<p><b>MODERN APPROACHES TO FREQUENCY STABILITY CONTROL IN LOW-INERTIA SYSTEMS</b></p> <p><b>Giorgi Gogia,</b> Akaki Tsereteli State University, Kutaisi, Georgia</p>
<p><b>15.00 – 16.00</b></p>	<p>Parallel Session N1: <b>Urban and Rural Resilience.</b> <b>Smart and Sustainable Waste Management.</b></p>
	<p><b>HISTORICAL FRAGMENTS AND ARRANGEMENT PECULIARITIES OF GREENING AND DEVELOPMENT OF HOUSEHOLD PLOTS IN GEORGIA</b></p> <p><b>Ramaz Kiladze, Eter Benidze, David Kiladze</b> Akaki Tsereteli State University, Georgia</p>

	<p><b>POSTHARVEST CONSERVATION OF LEMON (<i>Citrus limon</i> L.) USING A NOVEL PSEUDOPROTEIN-BASED EDIBLE COATING: EFFECTS ON CARBOHYDRATES AND ORGANIC ACIDS</b></p> <p><b>Cheishvili S<sup>1</sup>, Gverdtsiteli M<sup>2</sup>, Vanidze M<sup>3</sup>, Palavandishvili T<sup>1</sup>, Japaridze I.<sup>3</sup>, Jibladze T<sup>1</sup>, Putkaradze J<sup>3</sup>, Kalandia A<sup>3</sup>, Katsarava R<sup>1,2</sup></b></p> <p><sup>1</sup>Georgian Technical University, Faculty of Agricultural Sciences and Chemical Technology, Tbilisi, Georgia  <sup>2</sup>Agricultural University of Georgia, Institute of Chemistry and Molecular Engineering, Tbilisi, Georgia  <sup>3</sup>Batumi Shota Rustaveli State University, Faculty of Natural Sciences and Health Care, Batumi, Georgia</p>
	<p><b>CLIMATE-SMART POLICY OF GEORGIA AND SUSTAINABLE DEVELOPMENT OF AGRICULTURE</b></p> <p><b>Vazha Zeikidze, Rusudan Pirtskhalava</b>  Georgian Technical University, Georgia  I.Zhordania the Center Studing Productive Forces and Natural Resources of Georgia</p>
	<p><b>ASSESSMENT OF COMPOSTING AS AN EFFECTIVE APPROACH FOR SOIL IMPROVEMENT: A CASE STUDY OF THE KUTAISI COMPOSTING CENTER</b></p> <p><b>Nato Burjaliani</b>  Kutaisi Composting Center, Georgia</p>
<p><b>15.00 – 16.00</b></p>	<p><b>Parallel Session N2:</b>  <b>Sustainable Development and Circular Economy.</b>  <b>Climate Change and Environmental Protection.</b></p>
	<p><b><i>Trapa maleevii</i> AS A KEYSTONE SPECIES OF NATURAL FRESHWATER PONDS IN THE CHOROKHI RIVER DELTA</b></p> <p><b>Izolda Matchutadze<sup>1</sup>, Nino Jjavadze<sup>2</sup>, Tamar Cheishvili<sup>3</sup>, Marina Shainidze<sup>1</sup></b>  <sup>1</sup>Batumi Shota Rustaveli State University  <sup>2</sup>Batumi Botanical garden  <sup>3</sup>Akaki Tsereteli State University, Georgia</p>

	<p><b>MATHEMATICAL MODELING OF PROCESSES IN VENTILATED FACADES</b></p> <p><b>Paata Geradze<sup>1</sup>, Merab Baratashvili<sup>1</sup>, Tornike Baratashvili<sup>1</sup>, Parmen Kipiani<sup>1</sup>, Gocha Gubeladze<sup>2</sup></b></p> <p><sup>1</sup> Akaki Tsereteli State University, Georgia. <sup>2</sup> PhD, Kutaisi, Georgia</p>
	<p><b>DEVELOPMENT OF LIGHTWEIGHT ENERGY-EFFICIENT HOLLOW COMPOSITE BLOCKS INCORPORATING RECYCLED PLASTIC FOR LOW-CARBON CONSTRUCTION</b></p> <p><b>Merab Baratashvili, Tornike Baratashvili</b> Akaki Tsereteli State University, Georgia</p>
	<p><b>GLOBAL EXPERIENCE IN BIOFUEL PRODUCTION AND PROSPECTS OF USING THE MICROALGA <i>Merismopedia tenuissima</i> IN GEORGIA</b></p> <p><b>Natia Kamkamidze, Lamara Gobejishvili</b> Akaki Tsereteli State University, Georgia</p>
	<p><b>GEOHERMAL ENERGY IN GEORGIA AS AN ALTERNATIVE ENERGY SOURCE: TRENDS AND PROSPECTS</b></p> <p><b>Nino Tsutskiridze, Natia Kamkamidze</b> Akaki Tsereteli State University, Georgia</p>
<p><b>15.00 - 16.00</b></p>	<p><b>Parallel Session N3: Innovative Environmental and Digital Technologies</b></p>
	<p><b>THE ROLE OF DIGITAL AND SMART TECHNOLOGIES IN MODERN ENVIRONMENTAL PROTECTION STRATEGIES</b></p> <p><b>Nona Kukhianidze, Teimuraz Pestvenidze, Givi Lobzhanidze</b> Akaki Tsereteli State University, Georgia</p>
	<p><b>INTERNET OF THINGS (IoT), PROTOCOLS, DATA GENERATION, STRUCTURE AND RETRIEVAL</b></p> <p><b>Zaza Mardaleishvili</b> Akaki Tsereteli State University, Georgia</p>

**INCREASING THE CAPACITY OF A DOUBLE-CIRCUIT POWER TRANSMISSION LINE BY OPTIMALLY ARRANGING THE CONDUCTORS ON LINE TOWERS**

**Omar Zivzivadze, Badri Zivzivadze,  
Pridon Akhaladze, Lasha Matchavariani**

Akaki Tsereteli State University,  
Georgia

**ADVANCED PARADIGMS IN SUSTAINABLE ENVIRONMENTAL ENGINEERING: INTEGRATION OF DIGITAL AND INTELLIGENT TECHNOLOGIES, IOT-ENABLED DATA-DRIVEN MONITORING ARCHITECTURES, AND INNOVATIVE SMART INFRASTRUCTURE SYSTEMS FOR ECOLOGICAL PROTECTION AND RESILIENCE**

**Nodar Sulashvili <sup>1</sup>, Archil Chirakadze <sup>2</sup>, Magda Davitashvili <sup>3</sup>, Nodar Mitagvaria <sup>4</sup>, Vira Kravchenko <sup>5</sup>, Marika Sulashvili <sup>6</sup>, Nato Alavidze <sup>7</sup>, Natia Kvizhinadze <sup>8</sup>, Nino Abuladze <sup>9</sup>, Igor Seniuk <sup>10</sup>, Nana Gorgaslidze <sup>11</sup>, David Apkhazava <sup>12</sup>**

<sup>1</sup>Alte University, Georgian Teaching National University SEU; Georgia

<sup>2</sup>Georgian Technical University Institute "Techinform", Georgian Technical University Institute of Cybernetics; Ivane Javakhishvili Tbilisi State University Institute of Physics, Georgia

<sup>3</sup>Georgian Academy of Ecological Sciences, Iakob Gogebashvili Telavi State University (TeSaU), Georgia.

<sup>4</sup>National Academy of Sciences of Georgia, Ivane Beritashvili Center of Experimental Biomedicine, Georgia

<sup>5</sup>National University of Pharmacy of Ukraine, Kharkiv, Ukraine

<sup>6</sup>Tbilisi State Medical University, The University of Georgia. Georgia

<sup>7</sup>Akaki Tsereteli State University, Georgia

<sup>8</sup>Tbilisi State Medical University, Georgia

<sup>9</sup>Akaki Tsereteli State University, Georgia

<sup>10</sup>National University of Pharmacy of Ukraine, Kharkiv, Ukraine

<sup>11</sup>Tbilisi State Medical University, Georgia

<sup>12</sup>Alte University, University of Georgia, Georgian National University SEU, Georgia

April 28, 2026 – Tuesday

Conference Day 2

10.00 – 10.30	Posters Session
	<p data-bbox="443 421 1374 495"><b>Erasmus+ CBHE Projects (GreenEngine, LISS, GastroTour, Enricher-hubs, EU AGM, ETHICS, PRODIGE, SECURE)</b></p> <hr/> <p data-bbox="443 568 1374 642"><b>EFFECTS OF WOOD VINEGAR ON SEEDLING QUALITY AND ROOTING PERFORMANCE OF TEA (<i>CAMELLIA SINENSIS</i> L.)</b></p> <p data-bbox="635 680 1374 712"><b>Songül Yıldız, Yeşim Öztürk Yılmaz, <u>Zeynep Bayramoğlu</u></b></p> <p data-bbox="754 741 1374 891">Recep Tayyip Erdoğan University, Pazar Vocational School, Department of Plant and Animal Production, Rize, Türkiye</p> <hr/> <p data-bbox="443 920 1374 1021"><b>STUDY OF TERMAL RESISTANCE OF BORIDE-BASED ALLOYS OBTAINED BY THE SELF-PROPAGATING HIGH-TEMPERATURE SYNTHESIS (SHS) METHOD</b></p> <p data-bbox="759 1050 1374 1081"><b>Amiran Khvadagiani, Merab Iremadze, Tamari</b></p> <p data-bbox="1031 1106 1374 1137"><b>Tskipurishvili, Revaz Pilia</b></p> <p data-bbox="983 1162 1374 1229">Akaki Tsereteli State University, Georgia</p> <hr/> <p data-bbox="443 1240 1374 1308"><b>FURNACE FOR RECYCLING HOUSEHOLD, MEDICAL, AND NON-METALLIC INDUSTRIAL WASTE</b></p> <p data-bbox="659 1357 1374 1424"><b>Lali Zivzivadze, Tamari Tskipurishvili, Sofio Silagadze, Marlen Shalamberidze,</b></p> <p data-bbox="983 1435 1374 1503">Akaki Tsereteli State University, Georgia</p> <p data-bbox="1185 1554 1374 1585"><b>Otar Janelidze</b></p> <p data-bbox="879 1592 1374 1659">Batumi Shota Rustaveli State University, Georgia</p> <hr/> <p data-bbox="443 1711 1374 1778"><b>FACTORIAL DESIGN AND MATHEMATICAL MODELING OF TOMATO POSTHARVEST STORAGE WITH A PSEUDOPROTEIN EDIBLE COATING</b></p> <p data-bbox="818 1816 1374 1883"><b>Cheishvili Salome, Palavandishvili Tamar, Jibladze Tamar,</b></p> <p data-bbox="815 1895 1374 1991">Georgian Technical University, Faculty of Agricultural Sciences and Chemical Technology, Georgia</p>

	<p style="text-align: right;"><b>Beridze Vakhtang ,</b> Agricultural University of Georgia, Institute of Chemistry and Molecular Engineering, Georgia</p> <p style="text-align: right;"><b>Kalandia Aleko,</b> Batumi Shota Rustaveli State University, Faculty of Natural Sciences and Health Care, Georgia</p> <p style="text-align: right;"><b>Katsarava Ramaz</b> Georgian Technical University, Faculty of Agricultural Sciences and Chemical Technology, Georgia Agricultural University of Georgia, Institute of Chemistry and Molecular Engineering, Georgia</p>
<b>10.30 -11.30</b>	<b>Parallel Scientific Sessions</b>
<b>10.30 -11.30</b>	<b>Parallel Session N4: Urban and Rural Resilience. Smart and Sustainable Waste Management</b>
	<p><b>BIODEGRADABLE YARNS AND TEXTILES: MATERIALS AND ENVIRONMENTAL IMPACT</b></p> <p style="text-align: right;"><b>Tamar Moseshvili</b> Akaki Tsereteli State University, Kutaisi, Georgia</p>
	<p><b>SMART AND SUSTAINABLE APPROACHES TO THE PROPAGATION OF ORNAMENTAL WOODY PLANTS IN GEORGIAN NURSERIES</b></p> <p style="text-align: right;"><b>Ambako Bregvadze</b> Akaki Tsereteli State University, Kutaisi, Georgia</p>
	<p><b>THE NEED AND NECESSITY OF RECYCLING LITHIUM-ION BATTERIES</b></p> <p style="text-align: right;"><b>Nargiza Ormotsadze, Shorena Pkhakadze, Zaza Papidze</b> Akaki Tsereteli State University, Kutaisi, Georgia</p>
	<p><b>DEVELOPMENT OF LOW-DENSITY ENERGY-EFFICIENT COMPOSITE MASONRY BLOCKS USING RECYCLED PLASTICS AND ALTERNATIVE MINERAL MATERIALS FOR SUSTAINABLE CONSTRUCTION</b></p> <p style="text-align: right;"><b>Merab Baratashvili, Tornike Baratashvili</b> Akaki Tsereteli State University, Kutaisi, Georgia</p>

	<p><b>LIGHT STABILIZATION OF DYED TEXTILES WITH ULTRAVIOLET (UV) ABSORBERS</b></p> <p><b>Konstantine Sirbiladze, Ketevan Sirbiladze</b> Akaki Tsereteli State University, Kutaisi, Georgia</p>
<b>10.30 -11.30</b>	<p><b>Parallel Session N5: Sustainable Development and Circular Economy. Climate Change and Environmental Protection.</b></p>
	<p><b>URBAN GREEN SPACES IN THE REPUBLIC OF MOLDOVA BETWEEN VULNERABILITY AND CLIMATE RESILIENCE (CASE STUDY)</b></p> <p><b>Ala Donica,<sup>1</sup> Nicolae Grigoraș,<sup>2</sup> Vasile Odainic<sup>3</sup></b> <sup>1</sup>Institute of Ecology and Geography (Moldova State University), the Republic of Moldova; <sup>2</sup> "Moldsilva" Agency, the Republic of Moldova; <sup>3</sup> Forest Research and Management Institute, the Republic of Moldova</p>
	<p><b>INTEGRATED MATHEMATICAL MODELING AND FIRE RISK ASSESSMENT OF RESIDENTIAL PHOTOVOLTAIC SYSTEMS: A CASE STUDY OF THE REPUBLIC OF MOLDOVA</b></p> <p><b>Dmitrii Vieru, Svetlana Haritonov, Maia Haritonov</b> Technical University of Moldova, Department of Civil Engineering and Geodesy, Chisinau, Republic of Moldova</p>
	<p><b>PROSPECTS FOR THE DEVELOPMENT OF ENERGY EFFICIENT MUNICIPAL INFRASTRUCTURE IN KUTAISI</b></p> <p><b>Shorena Pkhakadze, Zaza Papidze, Irma Katamadze</b> Akaki Tsereteli State University, Kutaisi, Georgia</p>
	<p><b>BIO DIESEL AS A RENEWABLE ENERGY SOURCE: TECHNOLOGIES, PROPERTIES, AND PROSPECTS</b></p> <p><b>Natia Khazaradze</b> Akaki Tsereteli State University, Kutaisi, Georgia</p>
	<p><b>IMPACT OF ENERGY STORAGE SYSTEMS ON POWER BALANCE AND POWER QUALITY IN MODERN ELECTRIC POWER SYSTEMS</b></p> <p><b>Sergo Tevdoradze</b> Akaki Tsereteli State University, Kutaisi, Georgia</p>

<b>10.30 -11.30</b>	<b>Parallel Session N6: Education, Awareness, and Capacity Building</b>
	<p><b>FROM NEEDS ASSESSMENT TO EDUCATIONAL DESIGN: A MULTI-COUNTRY CASE STUDY ON DEVELOPING COMPOSTING TRAINING AND ONLINE LEARNING TOOLS</b></p> <p><b>Tsitsino Turkadze<sup>1</sup>, Ketevan Tskhakaia<sup>2</sup>, Maia Panchulidze<sup>3</sup>, Laurentiu Drasovean<sup>4</sup>, Victoria Darie<sup>5</sup>, Mustafa Baltaci<sup>6</sup>, Svetlana Ciobanu<sup>7</sup></b></p> <p><sup>1</sup> Akaki Tsereteli State University, Georgia  <sup>2</sup> Imereti Scientists' Union "Spectri", Georgia  <sup>3</sup> Tskaltubo Municipality, Georgia  <sup>4</sup> Galati Tehnopol Association, Romania  <sup>5</sup> Ungheni City Hall, Republic of Moldova  <sup>6</sup> Rize Municipality, Türkiye  <sup>7</sup> Regional Center of Sustainable Development, Republic of Moldova</p> <hr/> <p><b>THE HERITAGE OF THE LOWER PRUT SECTOR: BETWEEN EDUCATION, AWARENESS, AND COMMUNITY ENGAGEMENT</b></p> <p><b>Paladi Viorica</b>  Lower Prut Biosphere Reserve;  Institute of Zoology of the State University of Moldova,  Republic of Moldova</p> <hr/> <p><b>AWARENESS AND ATTITUDES OF THE ANAKLIA (GEORGIA) POPULATION TOWARD THE HARTWISS OAK (Quercus Hartwissiana)</b></p> <p><b>Maka Khetsuriani, Elene Gamkrelidze</b>  Akaki Tsereteli State University, Kutaisi,  Georgia.</p> <hr/> <p><b>MATHEMATICAL MODEL OF THE DEHYDRATION PROCESS OF SOME LEGUMES DURING HIGH-TEMPERATURA MICRONIZATION WITH INFRARED RAYS</b></p> <p><b>Elene Gamkrelidze, Otari Sesikashvili</b>  Akaki Tsereteli State University, Kutaisi,  Georgia</p>
<b>11.30 – 12.00</b>	<b>Coffee Break</b>
<b>12.00 – 13.00</b>	<b>Closing Session</b>  Final Conclusions Key Decisions & Recommendations Certificate Award Ceremony
<b>13.00 – 14.00</b>	<b>Lunch</b>

**ORGANIZING COMMITTEE**  
**of the International Scientific Conference**  
**“Smart Solutions in Urban and Rural Resilience”**

Ketevan Tskhakaia, Georgia

Tamar Moseshvili, Georgia

Tamari Mumladze, Georgia

Maia Panchulidze, Georgia

Laurentiu Drasovean, Romania

Victoria Darie, Republic of Moldova

Mustafa Baltaci, Türkiye

Svetlana Ciobanu, Republic of Moldova

David Bujiashvili, Georgia

Giorgi Chichinadze, Georgia

Elene Kravtsova, Georgia

**Smart and Innovative Solutions for Green and Clean Rural Areas  
in Black Sea Basin - Smart4Rural**

**Imereti Scientists' Union "Spectri"**

spectri@gmail.com

<https://wmp.framer.website/scientific-conference>

2026

The responsibility for the content of this material is that of the author(s).

The content of this material does not necessarily represent the official position of the European Union.

Reproduction is authorized, provided the source is acknowledged, and any changes are indicated.